

# The Actassi system

Catalogue 2017

Seamless end-to-end network connectivity



[schneider-electric.com](http://schneider-electric.com)

Life Is On

**Schneider**  
Electric

# Actassi puts all the differences aside!



The best features of our local brands and ranges are now merged into one, complete global system – Actassi.

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The Actassi system

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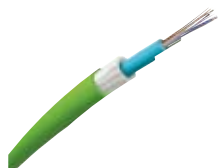
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# A short Actassi summary

Here is a short summary for you: Actassi is Schneider Electric's new global state-of-the-art range for networking and connectivity infrastructure solutions, created for buildings and data centres. It consists of the best performing features from local Schneider Electric brands such as LexCom, Inraplus, Clipsal Datacomms, Sarel and Himel. To be able to offer every installer around the world, the best-of-the-best solutions, we have created ONE single system; Actassi.



Searching for a smaller sized home solution? LexCom Home should be your choice. You'll get data, TV and telephone in all rooms, and even access to all medias at the same time from the same outlet.

All products are designed to give superior usability and performance. They exceed the most advanced international standards, such as ISO/IEC 11801: 2011 Ed2.2 for the new S-One connector. All S-One connectors are manufactured to provide exceptional Cat 5e, Cat 6 and Cat 6<sub>A</sub> performance for shielded and unshielded data networks.

Furthermore Actassi is fully integrated with a wide range of other Schneider Electric solutions and products, such as the Total Office Performance system including products to create a true organic office – read more on page 8-page 9.

The Actassi system consists of a comprehensive set of products:

- > Connectors for Cat 5e, Cat 6 and Cat 6<sub>A</sub> performance
- > Cross-connect panels
- > Copper and fibre optic LAN cables
- > Patch cords and connecting hardware
- > Cabling and server enclosures



# Building Actassi



**Green Premium** to guarantee our products are compliant with International Environment Regulations & Standards (RoHS, REACH, PEP and EoLI)



Reliable cabling solution & proven technology backed by **extended system warranty**



Superior connectivity with compliance of **international standards (TIA/EIA, ISO/IEC, AS/NZ)**



Apply the latest building management technologies with **proven PoE+ connectivity** to increase efficiency of power usage

Intelligent Management



Pre-term Copper solutions



Enclosures



Superior cable & Connectivity





# Actassi is a part of the TOP system

By now you know that Actassi is the smartest way to create reliable and high-performing network connectivity. So let's add some more interesting facts to that piece of information; Actassi is also part of our Total Office Performance system. Just like in a human body, it's the interaction between these parts that creates the organic quality of the complete system.



P126271



## Connectivity Actassi

Network connectivity is as essential for a modern office as the signal substances are for your body's inner communication. Actassi is as intuitive, fast and reliable.

P126308



## Infrastructure Canalis / Performa

Canalis busbars and Performa mesh trays are the bone structure which distributes power and network throughout the office building.

P131622



## Installation system OptiLine

OptiLine is to power and networks what your veins are to your blood circulation; Flexible, extensive, reaching into every corner.

P118466



4



P128284

## Life Space Management Uniq / Roombox

Uniq, Roombox and KNX provides convenient building control and energy management. All functions for LifeSpace Management are monitored from one single source.

5



P130067

## Safety and Security Dardo / Twinbus

Finally your office needs eyes, ears and senses. Twinbus is the vigilant door entry system and Dardo and Exiway provides all the safety you need with its signs and alarms.

6



P161633

## Wiring devices Altira

This is the office building's skin, containing great functions and presenting them in style.

# Data Center

## Actassi



**Future proof application** & above-the-standard performance to maximize the total lifecycle of Actassi solution



**Space optimization** to maximize ROI by utilizing the scared space resources in data center



**Easy deployment** to reduce the construction time needed for new data center



**Real time monitoring** to secure network continuity of physical layer. Minimize downtime that is caused by human error



Intelligent Management



Network racks and cabinets



Future Proof connectivity



High Density Fiber Solution



Superior cable & Connectivity



# Actassi network connectivity solution

## Entrance Room (ER)

Actassi single-mode OS2 fibre cables for optimised cable performance in entrance room



Single-mode OS2 fibre cables

## Telecommunication Room (TR)

Actassi multi-mode OM4 fibre cables for speeds beyond 40 Gigabit/s and 100 Gigabit/s



Multi-mode OM4 fibre cables

## Equipment Distribution Area (EDA)

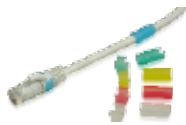
Tough Cabling for superior data transmission performance regardless of installation quality; and 10G solution for fast data transmission over extensive equipment distributions



F<sup>2</sup> cables



10G solution



ID-3TM F<sup>2</sup> patch cords

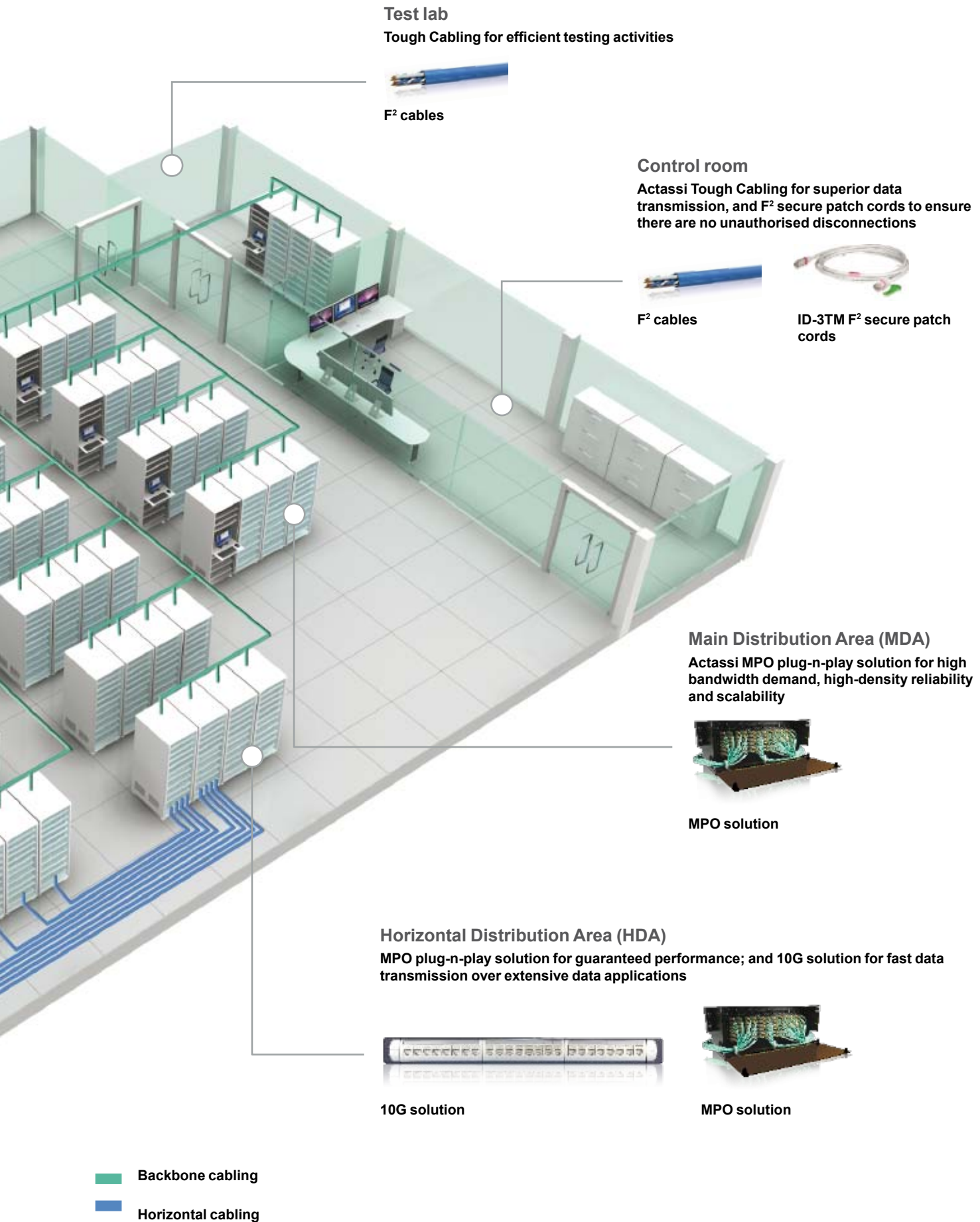
## Storage area

Actassi's fibre solution for quick retrieval of storage data



# s for data centres

1





# Superior usability

By constructing a complete system, we have made sure that there will never be incompatible differences in-between parts. But as an installer, we believe you would like to know the specifics. Let's take a closer look at some less visible Actassi advantages!



## Actassi system

With innovations such as the S-One connector, the sliding 19" patch panels and the CL-MX cable, Actassi allows you to work faster. Installation time will be decreased by up to 20 %, still high-performing network cabling is assured.



## The fast and trouble-free Actassi S-One connector

The One-piece RJ45 connector is tool-less to open and close. Advantages such as the colour coding, smart bridle, U-shaped cable entry and automatic 360° earthing allow you to connect up to 50 % faster. A cutting plier is all the tooling you need. Actassi S-One is designed by Schneider Electric, manufactured in our state-of-the-art factory in Denmark and is fully compliant with the latest standard ISO/IEC 11801: 2011 Ed2.2.



## The high-performance CL-MX cable

A new and innovative shielded Cat 6A cable with 3 times faster installation and a superior transfer impedance performance. The secret is the patented single-foil metallic crossfiller that brings 3x shielding, improved EMC and less cutting operations.



## The pre-equipped 19" panels

The Actassi 19" patch panels with sliding and quick-fix function, automatic earthing, quick-release button and rear cable identification will delight any professional.



## Actassi VDS allows airflow of 80 %

The new Actassi enclosure for server applications is very robust and can be mounted with up to 750 kg of 19" components. The micro-perforated door ensures superior air circulation. Cable entries at the sides enable ergonomic installations.



The new Actassi CL-MX cable has a patented metallic crossfiller for better link performance and less installation operations. No need of separation distance to power cabling and no need of ANEXT field testing.

Actassi helps you get more jobs done by speeding up each task.





# Install seamless end-to-end connectivity

Actassi includes everything needed to install and operate network connections simply and intuitively. Technical innovations and ergonomic features exceeding the demands of end-users and installers, enhance productivity in every workplace.



Actassi is easy to specify, install, use and upgrade. Together with our OptiLine installation system you will have a very flexible network access.



PB501435

## Actassi 19" Enclosures

A complete range of products including all sizes of enclosures, from 6 units to 47 units with different widths, depths and compositions.



P124895

## Actassi 19" Panels

Sliding function, automatic earthing, quick-release button and rear cable identification make the Actassi 19" panel a delight to install.



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## Quick Fix

Our 19" panels are all equipped with the Quick Fix function, allowing simple, firm and convenient installation and maintenance.



P127327

## CL-MX cable

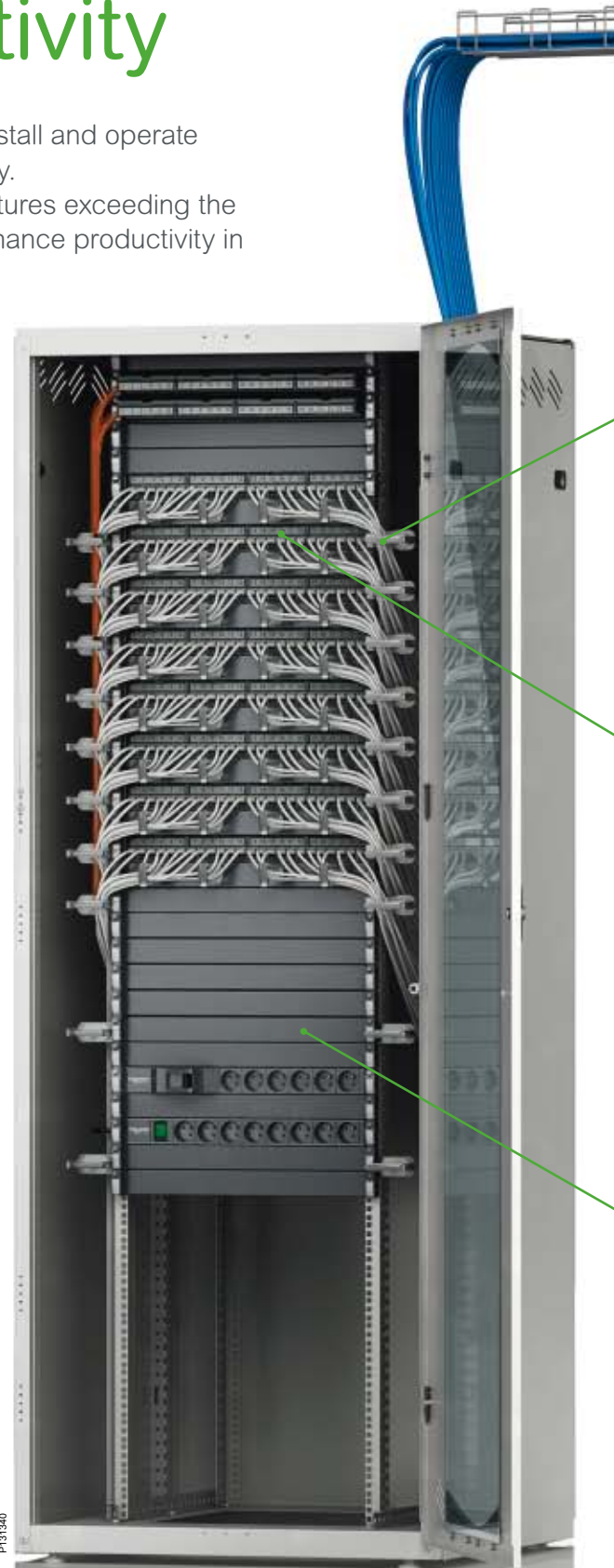
The new Actassi CL-MX cable has a patented metallic crossfiller which brings 3x shielding and superior EMC. Still it's 3 times faster to install!



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## Actassi S-One – Twice as fast

The new Actassi S-One RJ45 connector, with features like the smart bridle, is up to 50 % faster to connect than most other connectors.



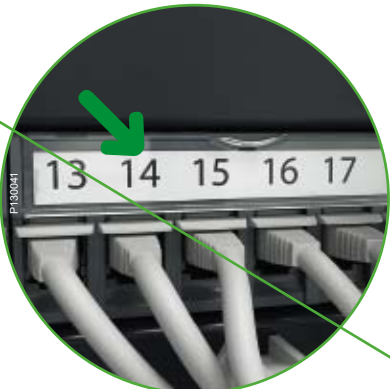
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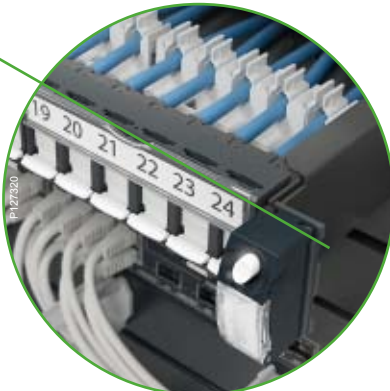
**Cable management for perfectionists**

Every cord and cable is easily fixed and fastened in its designated place.



**Clear marking**

Both patch panels and connector face plates are equipped with a system for clear marking.



**Expand in no time**

The patch panels are pre-equipped and have benefits such as the Quick Fix and a convenient sliding function.



**Altira**

The Altira range contains all the functions and finishes you need to make a complete and stylish installation.



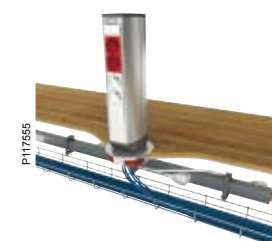
**Wall installation**

The OptiLine trunking makes tele, data and power easily and elegantly accessible.



**Table installation**

Increase function, technology and design by providing network and power access for complete flexibility.



**Floor installation**

For a truly flexible solution, use our two-sided post. It's equipped with a fixing for the innovative floor grommet, enabling easy future adjustments.

# Complete peace of mind

Did you connect the right wire? Did you remember earthing? With Actassi you never have to worry again. The shielded connectors have an automatic 360° earthing, so you will save time and provide safe installations simultaneously. But security isn't only a built-in feature in products. It's also a philosophy that has governed the way we have designed the Actassi support services and warranties.



We offer comprehensive training programmes as well as extensive warranties.



## You will get it right, intuitively



Actassi system warranty covers the complete network, from the technical room to the workstation. Ask your local Schneider Electric sales office for detailed information on the warranties and support resources in your country.

Actassi is built on intuitive installation technology, making it very hard to fail. But if there are any uncertainties, don't hesitate to call your local support services. They are happy to answer your questions. And if there is something you would like to excel at, you are always welcome to join our training programmes.

### Certified standard and global accessibility

All Actassi products are certified to the highest standards by a third party. Several products actually exceed international standards to give you true top-class performance and reliable connectivity. Our worldwide presence and well-known distribution partners also ensure both global and local access to our products and services.



P130046

P63209

### The Digital Rule helps you select products

Do you find it hard to select RJ45 connectors, patch panels, cables and enclosures? Visit [schneider-electric.com](http://schneider-electric.com) and try our Digital Rule. It's an intelligent online e-catalogue which will facilitate your choices and ensure an error-free specification.

# Environment in focus

Energetic and environmental responsibility lies at the core of Schneider Electric culture and strategy. We strive to reduce the environmental impact of our products throughout their entire life-cycle, particularly through eco-design and eco-production.



Actassi is compliant with RoHS, the REACH European directives and PEP Eco passport. Product Environmental Profile available on request.



Actassi CL-MX cables is one example of Eco-design. Halogen-free, flame or fire retardant. In case of fire, the result of using Actassi CL-MX is the reduction of the emissions of opaque smoke and acid gases. Thus, it helps reducing damages to equipment and allows people to escape from the building more easily.

## Eco-design

The European Union enacted an Energy using Products (EuP) framework directive in 2005 (directive on the eco-design of products) which seeks to promote eco-design approaches in priority sectors, or even to specify the aims of impacts for some products.

Although Schneider Electric's supply is outside of the EuP target, it generalises the eco-design approach to all its developmental activities and undertakes to communicate the environmental features of its products through Product Environmental Profiles (PEPs).

## Product Environmental Profile

For each product Schneider Electric undertakes to publish a Product Environmental Profile (PEP). It provides customers with information on their environmental performances during their life cycle as well as the best treatment solutions at the end of their life. To ensure transparency and the validity of the data, it complies with ISO 14025 in an inter-professional programme which sets shared calculation and drafting rules for publishing the environmental impacts of products.



P127327

P131634



# Actassi 19" patch panels

The Actassi 19" panels are indeed an installer's delight! They are innovative, simple and efficient. They are also part of the global Actassi product portfolio for Network Connectivity including connectors, cables and enclosures. Actassi is also a vital component of TOP – the Total Office Performance system – making workspaces energy efficient, flexible and comfortable. TOP includes everything from power and data distribution, to safety systems and lifespace controls. So, when you choose Actassi you'll get superior usability and a truly seamless end-to-end connectivity.



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# Making professional IT and network installations easy

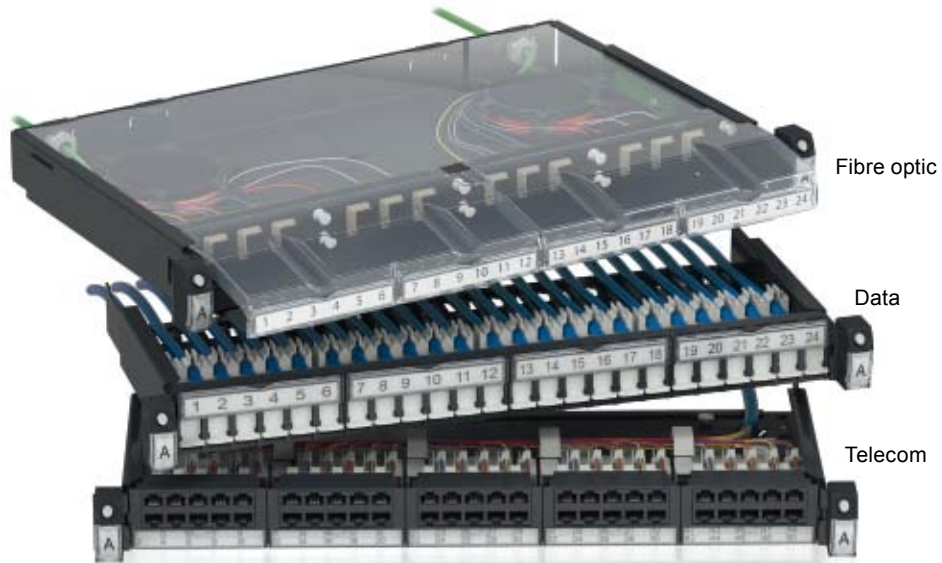
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All Actassi panels are equipped with the smart and innovative Quick Fix function.

Now, furnishing or maintaining our 19" racks with panels couldn't be done easier or faster. Actassi panels are all equipped with the Quick Fix function, a mechanism mounted at each side of the 1U panel, which helps them to be quickly opened.



P111437

## A panel for every need

We've got panels for fibre optic, data and telecom. They have all been developed with two words in focus - easy and smart. Some examples; Quick Fix function, sliding panels, clear marking and easy cable management.

The fibre optic panels also have a highly developed protection against dust. And the best of it all, the panels are also available pre-equipped, to make your ordering and installation as simple as possible. Of course power panels are also part of our offer.



P111548

**Quick Fix**  
Just press the button and the panel smoothly slides out. Other Quick Fix secrets are the guiding fingers and the pre-mounted screws. The integrated label holder gives the panel a unique identity.



P1110643

**Homogeneous design**  
Actassi is not only a high quality system, it also looks good! The appearance is really professional since we have kept the same aesthetics for the whole range.



P1110642

**Future proof**  
All Actassi products are part of our modular offer for creating a professional IT and network environment. The robust design, construction and high-quality materials are other long-lasting guarantees. That's why the Actassi products are future proof.



P1110644

**Good overview**  
The transparent front lids and the top cover protect the patchcords and fibres, and give a clear visibility of the inside.

# Actassi data panels

The data panels contain a front configuration for 24 RJ45 connectors. All panels have the smart Quick Fix function. They are also available pre-equipped with connectors, shutters, label holders and a rear cable organizer. We try to make your life as easy as possible.



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The data panel is available pre-equipped with the innovative S-One connectors.



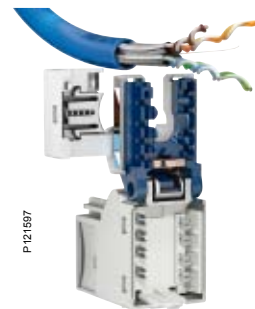
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P110423

## Sliding helps installation

Maintenance and extensions are smoothly performed with the help of the Quick Fix sliding function.



P121597

## Actassi S-One

The connectors are a one-piece design for very fast and reliable wiring. Actassi S-One exceeds component hardware certification for standards like ISO/IEC 11801: 2011 Ed2.2 for Cat 6A, ensuring optimized network performance.



P110418

## Cable management

Apart from the systems with colour codes, labels and numbers, the technical setup at the rear of the panel is designed to enhance order. Cables of various diameters are easily mounted and kept in place in specified slots.



P110417

## Rear position numbers

Keeping track of each RJ45 could sometimes be very hard. Actassi is changing all of that! The cable numbers at the rear correspond to those at the front, simplifying installation and maintenance from both sides of the rack.



P110607

## Automatic earthing

An automatic earthing for FTP/STP versions is integrated in the panel.



P110416

## Clear front marking

Each panel plate has an openable label holder. Print your own labels or use the included versions with pre-printed port numbers. Each shutter can also be colour coded for quick identification in both open and closed positions.



# Actassi flat high-density panels

The new Actassi 19" flat data panel with connectors placed at an angle gives a new dimension to high density – the panels can be mounted directly on top of each other, with no need of intermediate guiding panels. They are available empty without connectors or equipped with Cat 6<sub>A</sub> STP connectors.

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### Quick Fix function

The panels are equipped with a Quick Fix function for a fast installation.



P135754

The flat data panel contains a configuration for 24 RJ45 connectors with a clear marking both at the front and at the rear. The panels are easy to install thanks to the front access and the Quick Fix function. Use the vertical side rings for vertical management of the patch cords. Other features are the removable cable manager at the rear, the panel identification label and the hinged central label holder.



P135982



P135753



P135961

### Vertical side rings

Vertical side rings and connectors at an angle give a true high density installation. The overhead patching frame saves space in the enclosure below.



P135964

### Connectors at an angle

Connectors placed at an angle combined with front access simplify installation work.



P135965

### Clear front marking

Large identification labels for easy readability from ground level.



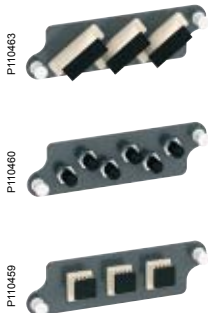
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### Cable management

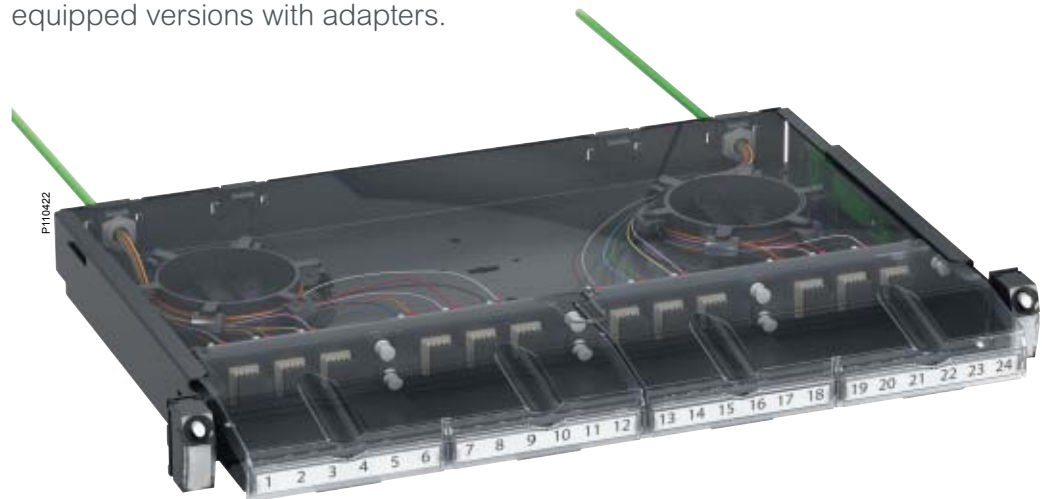
The cable manager can be folded or removed. Hooks for cable ties for extra safety.

# Actassi fibre optic panels

A simple all-in-one concept, pre-equipped with for example Quick Fix function, coiling wheels and cable glands. It has a capacity of 24 fibres and has transparent lids for protection and a clear visibility of the inside. Can hold up to 4 cover plates, and since it is delivered with 3 blank plates, the choice is open for the fourth to be used according to your needs. The cover plates are available in empty and pre-equipped versions with adapters.

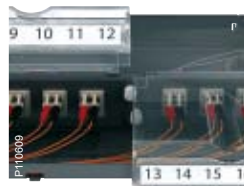


To match your fibre optic panel we have developed a range of pre-equipped coverplates. It's a time-saving, safer and smarter way to work with your installations.



## Coiling wheels

The panel contains wheels to keep the fibres in place and to avoid tension on the connectors. This will also give a correct bending radius and more space for excess lengths of the fibres.



## Excellent protection

The transparent covers give both protection and overview. The front covers can be opened for quick access and the top cover is easily removed.



## Clear marking

Since the marking is very clear, identifying the cable you are looking for will never be a problem.



## Integrated guiding panel

A patchcord guiding panel, with smoothly shaped edges to protect the cords, is integrated in the panel. So there is no need to add a separate guiding panel that would take another 1U space.



## Rear quick fixation

A quick-fixation system is provided for the cables at the rear. Use the provided 16 mm glands for cables. If a 21 mm gland (not provided) is needed, just remove the rear plastic support and fix the gland directly in the cable entry. Quick and easy!



## Sliding function

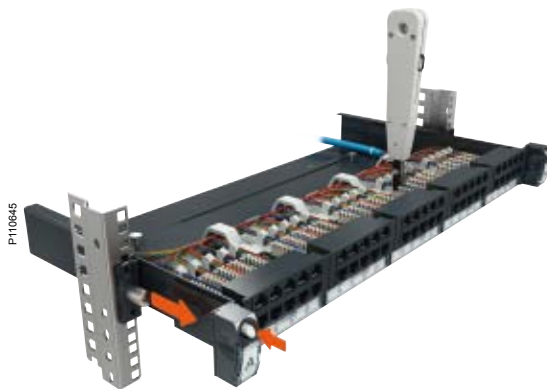
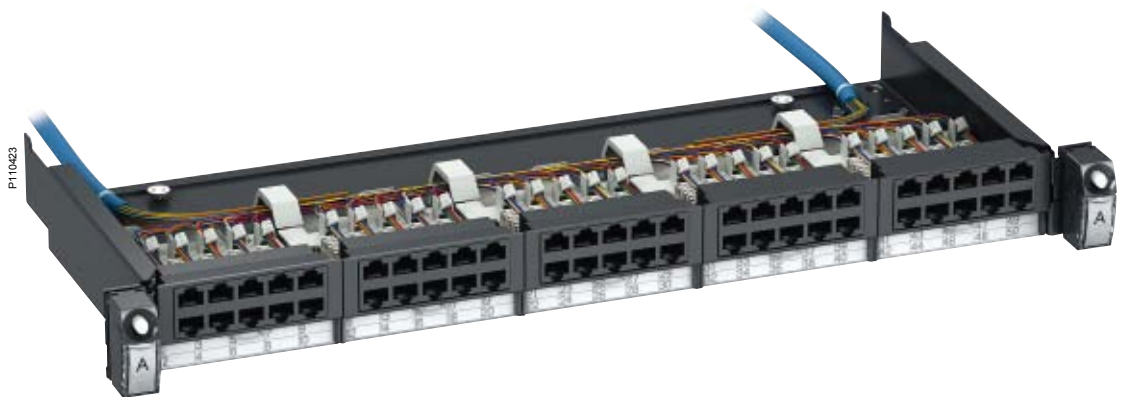
The panel can be slid or completely removed for a more convenient working position.



# Actassi telecom panels

The smart and high capacity 19" telecom patch panel provides up to 50 connections. Very easy fixation of the panel thanks to the Quick Fix function with guiding fingers and pre-mounted screws. The label holders are easily opened without using any tool.

1



### Exceptional robustness

The sliding function does not deteriorate the stability. As a proof you can use the punch down tool for LSA contacts with the panel in a sliding-out position. You don't need to remove it from the rack first!



### Punch down tool

This is the punch down tool for LSA contacts, to be used for telecom cable connections.



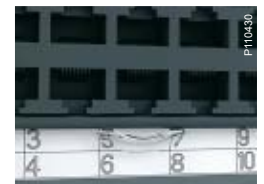
### Cable identification

No need trying to figure out which cable goes where. The cable identification is very clear on the clever fixing guides.



### Safe and easy earthing

The panel has two earthing connection points for both shielded cables and for the rack, easily accessible at the rear.



### Clear marking

The telecom panel comes with pre-printed labels and openable label holders.



# Power panels and accessories

The Actassi system also includes a range of power panels and smart accessories for improved cable management. The power panels are available in several versions, for example with a protected light switch and overvoltage protection. The innovative patchcords guiding panel is equipped with four openable rings, managing up to 48 cords.



### Power panel

With Quick Fix function and 3 m of power cord. Several versions, for example with protected circuit breaker/earth leakage.



### Brush and blank panel

Brush guiding panel. Blank panel instead of an empty gap in the rack.



### Guiding panels for patch cords

The 1U panel manages 24 cords, and 2U panel 48 cords. Easily opened but still safe, since a clever device prevents cords from falling out. Also possible to pull out only one cord if needed.



### Side rings for rack 800x800

Rings for vertical management of up to 48 patch cords, attached to each side of the guiding panel (or any panel with Quick Fix). Available for 1U and 2U.



### Vertical rings for rack 600x600

For the 600x600 racks, use the smaller tie up devices to keep your installations in neat order.



# Actassi ON

## Digital Connectivity Management



See dedicated Actassi ON catalogue LSB03028

### Optimising resources and saving operational costs

#### For EMEAS perimeter

Actassi ON is based on a hardware and software platform, providing intelligent planning, surveillance and managed MAC (Move, Add, Change) operations. The detecting and alerting system ensures that any unexpected issues are taken care of instantly, before causing major damage.

P143276



- Have real-time overview of the entire patching field.
- Be alerted at the very moment an unexpected operation occurs.
- Guide field operators to avoid human mistakes.

#### Major OPEX savings

- Gain efficiency by eliminating idle ports.
- Reduce downtime.
- Make quick replies on user demands.
- Support updated documentation and flexibility in modifications.
- Prepare your critical installations for meeting upcoming user requests.

### RFID – exact detection of the entire link

Get in control by **100 %**

- Each cord has a unique RFID tag
- Eliminate bad connections
- Enhance service levels

P143281



Disconnected connection signalled by LED and sent to PC

### Make the most of network reliability and resource efficiency

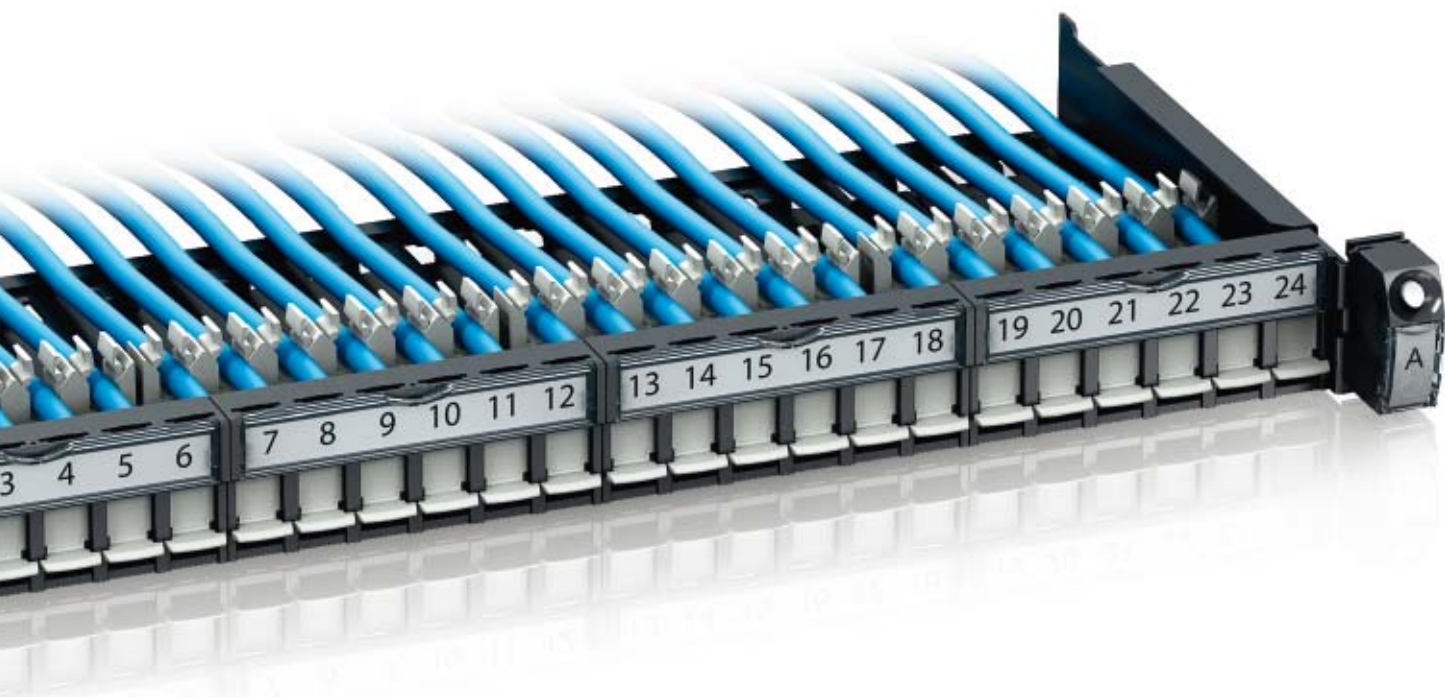
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# Actassi Copper solution

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# Actassi S-One RJ45 connectors



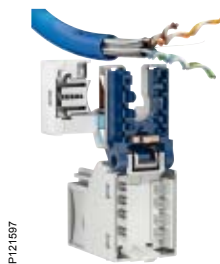
## Actassi S-One with one-piece design for faster and safer installations

Without any loose parts the Actassi S-One connector is more compact, easier to handle and up to 50 % faster to connect. The connector is delivered open, ready to connect. It has an automatic 360° cable earthing, a simple locking termination and a very smart locking function. The robust one-piece design is suitable for all applications, and in the Actassi S-One range you'll find both unshielded and shielded connectors of all categories.



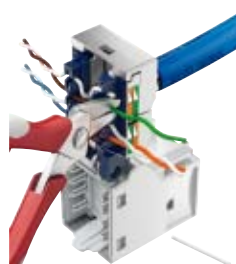
### PoE+

The Actassi S-One connector is now certified and fully compliant with the PoE+ standards by Delta, allowing transport of up to 30 W in the data cable.



Ready...

S-One is delivered open. Just insert the cable in the central U-shaped entry.



Steady...

Close the smart bridle – it will automatically lock the cable and provide 360° earthing.



Done.

Shut the connector. A “click” confirms that it's locked into its firm and reliable position.

# Actassi S-One benefits

## U-shaped cable entry with a smart bridle

Despite being compact in size, the connector has enough space inside for your work. All functions are designed to ease your installation.



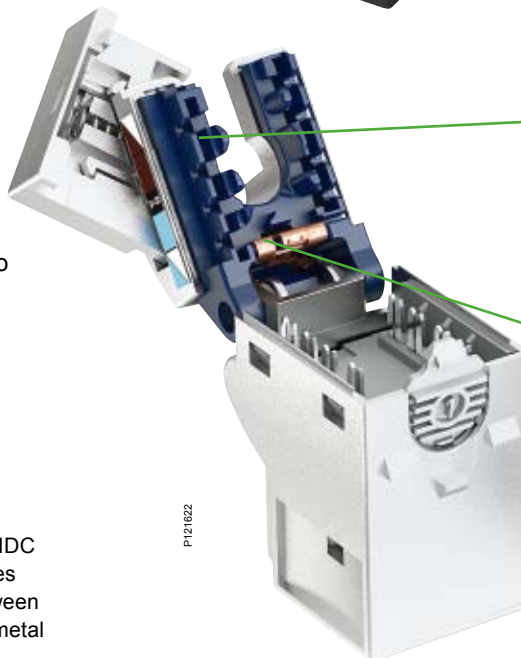
Smart bridle with elastomer insert for cable locking reduces risk of damaging cables. U-shaped cable entry. Easy access for all cables.



Central cable entry for optimized performance.

## Safe and automatic 360° earthing

Actassi S-One easily provides automatic earthing without any tools.



Automatic 360° earthing with spring-loaded locking and earthing bridle.



Integrated earth-drain contact provides double earthing.

## Protected IDC

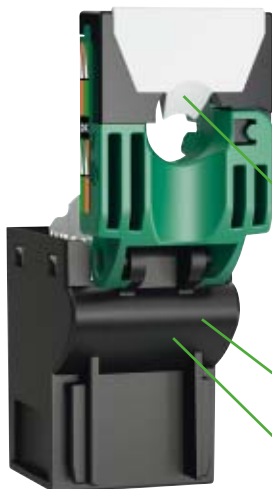
With Actassi S-One it's nearly impossible to damage cables or fingers, since the IDC is concealed in a cavity.



Insulated plastic IDC housing eliminates short-circuit between conductors and metal body.

## Ergonomic design

Installing shouldn't be painful! So in the Actassi S-One range it isn't.



Bridle with elastomer insert (unshielded) for convenient locking and soft touch.

Smooth design with rounded edges.

Touch-friendly materials.

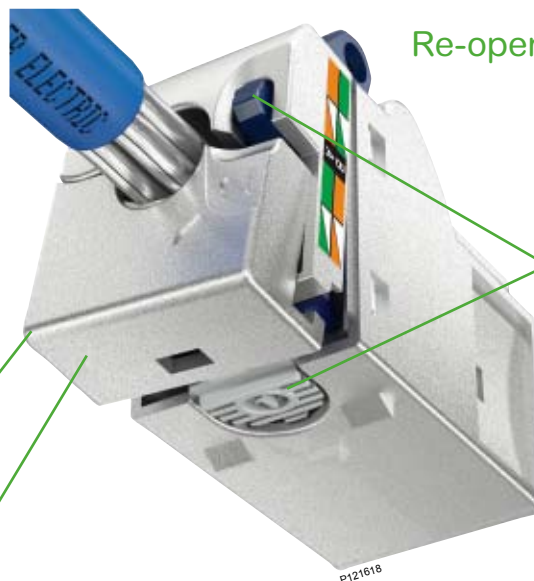
## Re-open in two clicks

You can hear the Actassi S-One opening and closing.

Quick-release buttons for tool-less re-opening.

Reduced risk of damaging connections.

Re-close with a simple click-click.





# Actassi S-One is colour-coded

The Actassi S-One wire organizers are colour-coded to make performance identification safer and easier. Both unshielded and shielded connectors are coded according to the same system. Green for Cat 5e, light blue for Cat 6 and dark blue for Cat 6A.

## Practical eco-box

- Box of 12 connectors.
- Connectors delivered open, ready to connect.
- Cardboard package for easy recycling.

Integrated hook  
for the 19" rack.



## Unshielded

The unshielded Actassi S-One connectors have a smooth feel. The design promotes safety and comfort by its finely contoured shape, edges and elastomer insert.

## Shielded

The shielded Actassi S-One connectors have two very time saving and safe features. It's the spring-loaded bridle for locking and automatic 360° earthing, and the integrated earth drain contact, which provides efficient double earthing.



## Full compliance with ISO/IEC 11801: 2011 Ed2.2

To get your complete network installation classified you need to work with classified components. That's why you should choose our solutions. We provide seamless end-to-end connectivity through safe, speedy and reliable network installations. We are constantly adjusting and updating our portfolio, and at the same time making sure that they are fully compatible with older and future solutions.

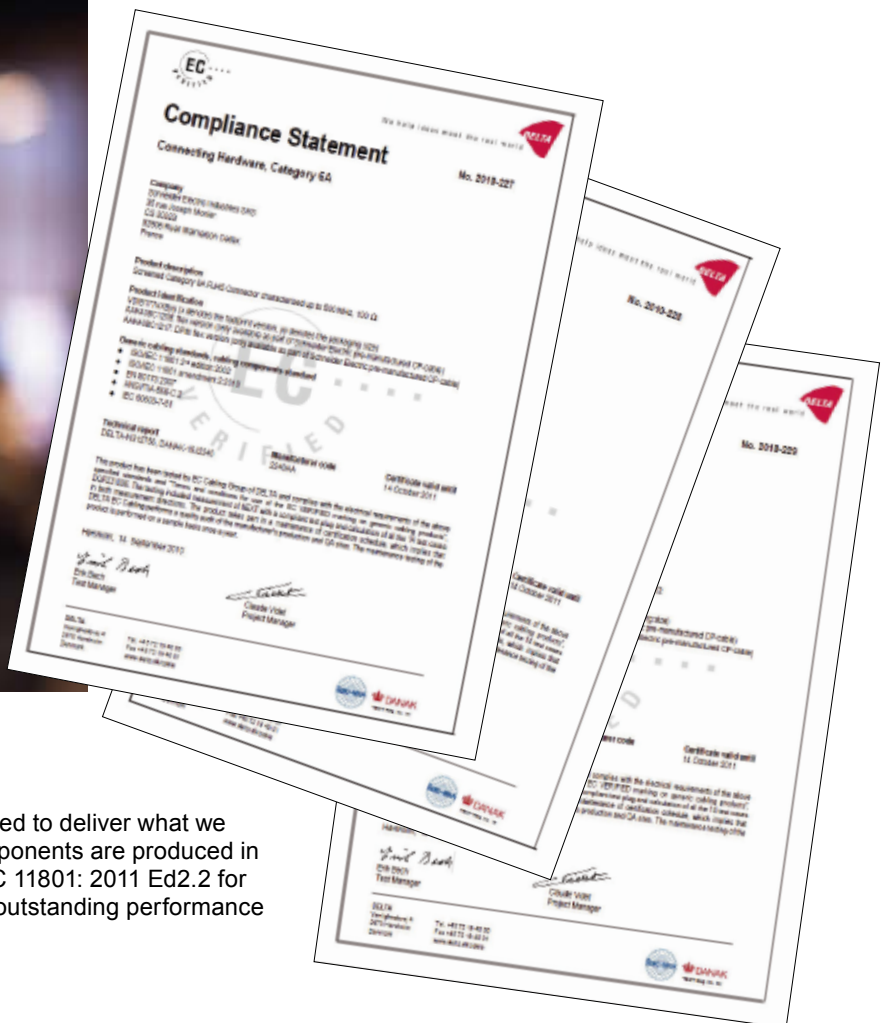
Cat 5e

Cat 6

Cat 6<sub>A</sub>



2



Every part in our Actassi range is certified to deliver what we claim they will. The Actassi S-One components are produced in Europe and fully compliant with ISO/IEC 11801: 2011 Ed2.2 for Cat 6<sub>A</sub>, so you can always count on an outstanding performance and reliability.



More data available on the web.  
Scan and discover.

For scanning, download the free Unitag app on  
[unitag.io/app](http://unitag.io/app)

- Performance categories: Cat 5e, 6 and 6<sub>A</sub>, unshielded and shielded
- Material: unshielded in ABS plastic, shielded in zamak
- Size: height 28 mm, width 18 mm, depth 35 mm
- Applicable standards:
  - ISO/IEC 11801: 2011 Ed2.2, class EA permanent link and channel
  - IEC 60603-7-51 Cat 6<sub>A</sub> connecting hardware
  - ANSI/TIA-568-C.2 Cat 6<sub>A</sub> connecting hardware
- One-piece design and U-shaped cable entry
- Tool-less IDC termination
- Earthing (shielded): metallic, 360° self-adjusting, plus drain wire contact
- Operational temperature range: -40°C to + 70°C.

### S-One C5e – Cat 5e

Description	Qty/pack	Ref. No
RJ45 Connector Cat 5e unshielded	1	VDIB17725U01
	12	VDIB17725U12
	96	VDIB17725U96
RJ45 Connector Cat 5e shielded	1	VDIB17725B01
	12	VDIB17725B12
	96	VDIB17725B96

### S-One C6 – Cat 6

Description	Qty/pack	Ref. No
RJ45 Connector Cat 6 unshielded	1	VDIB17726U01
	12	VDIB17726U12
	96	VDIB17726U96
RJ45 Connector Cat 6 shielded	1	VDIB17726B01
	12	VDIB17726B12
	96	VDIB17726B96

### S-One C6<sub>A</sub> – Cat 6<sub>A</sub>

Description	Qty/pack	Ref. No
RJ45 Connector Cat 6 <sub>A</sub> unshielded	1	VDIB1772XU01
	12	VDIB1772XU12
	96	VDIB1772XU96
RJ45 Connector Cat 6 <sub>A</sub> shielded	1	VDIB1772XB01
	12	VDIB1772XB12
	96	VDIB1772XB96





#### Tool kit

##### Description

Provide all the mandatory tools to install the system.

- 1 cable stripper
- 1 connecting tool
- 1 flat screw driver for gain adjustment
- 1 Phillips screw driver for fixing
- 1 key for F connector
- 1 cutting clamp

Type	EAN code	Ref. No
Tool kit	3606480186110	VDIR580020

P121213



# Actassi S-One DPM RJ45 connectors



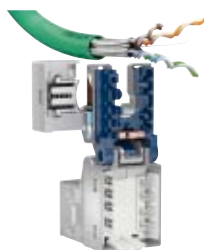
## Actassi S-One DPM with one-piece design for faster and safer installations

Without any loose parts the Actassi S-One DPM connector is more compact, easier to handle and ensures great performance by making each connection 100 % reliable. The connector is delivered open, ready to connect. It has an automatic 360° cable earthing, a simple locking termination and a very smart locking function. The robust one-piece design is suitable for all applications, and in the Actassi S-One DPM range you'll find both unshielded and shielded connectors of all categories.



P130068

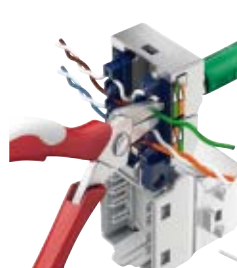
**PoE+**  
The Actassi S-One DPM connector is now certified and fully compliant with the PoE+ standards by Delta, allowing transport of up to 30 W in the data cable.



P124019

**Ready...**

S-One DPM is delivered open. Just insert the cable in the central U-shaped entry.



P124025

**Steady...**

Close the smart bridge – it will automatically lock the cable and provide 360° earthing.



P124673

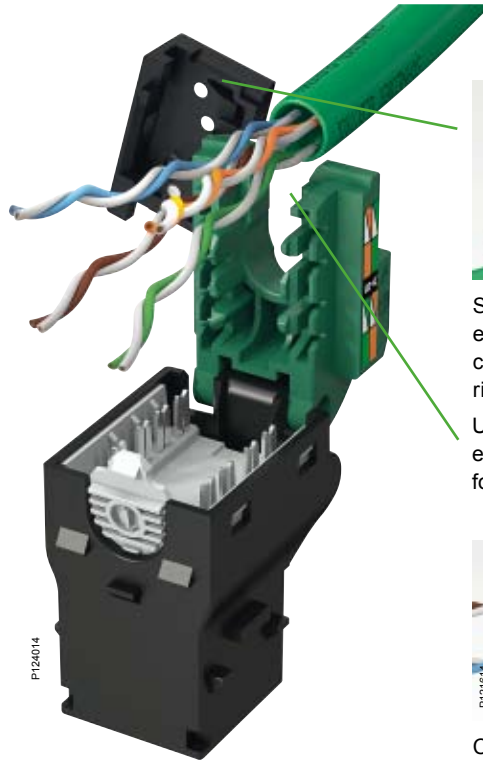
**Done.**

Shut the connector. A “click” confirms that it's locked into its firm and reliable position.

# Actassi S-One DPM benefits

## U-shaped cable entry with a smart bridle

Despite being compact in size, the connector has enough space inside for your work. All functions are designed to ease your installation.



Smart bridle with elastomer insert for cable locking reduces risk of damaging cables.

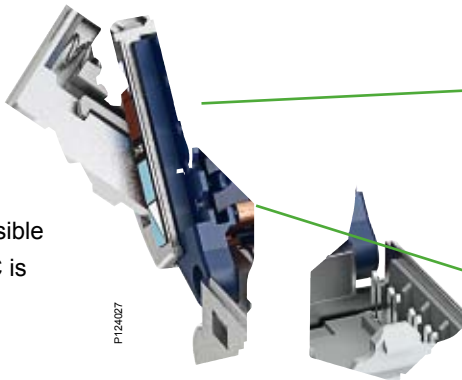
U-shaped cable entry. Easy access for all cables.



Central cable entry for optimized performance.

## Safe and automatic 360° earthing

Actassi S-One DPM easily provides automatic earthing without any tools.



Automatic 360° earthing with spring-loaded locking and earthing bridle.



Integrated earth-drain contact provides double earthing.

## Protected IDC

With Actassi S-One DPM it's nearly impossible to damage cables or fingers, since the IDC is concealed in a cavity.



Insulated plastic IDC housing eliminates short-circuit between conductors and metal body.

## Ergonomic design



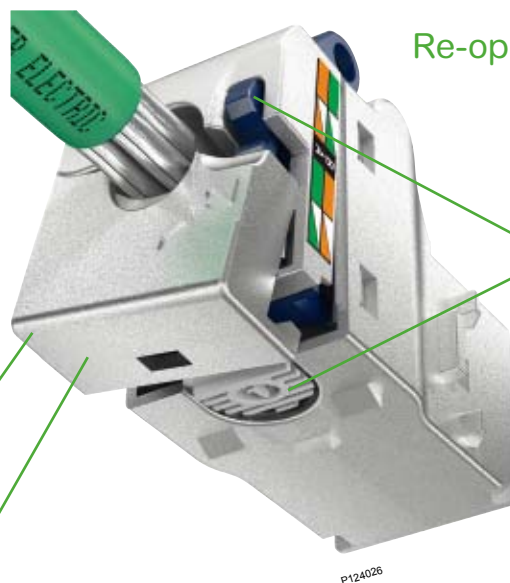
Installing shouldn't be painful! So in the Actassi S-One DPM range it isn't.

Bridle with elastomer insert (unshielded) for convenient locking and soft touch.

Smooth design with rounded edges.

Touch-friendly materials.

## Re-open in two clicks



You can hear the Actassi S-One DPM opening and closing.

Quick-release buttons for tool-less re-opening.

Reduced risk of damaging connections.

Re-close with a simple click-click.



# Actassi S-One DPM is colour-coded

The Actassi S-One DPM wire organizers are colour-coded to make performance identification safer and easier. Both unshielded and shielded connectors are coded according to the same system. Green for Cat 5e, light blue for Cat 6 and dark blue for Cat 6A.

## Practical eco-box

- Box of 12 connectors.
- Connectors delivered open, ready to connect.
- Cardboard package for easy recycling.

Integrated hook for the 19" rack.



## Unshielded

The unshielded Actassi S-One DPM connectors have a smooth feel. The design promotes safety and comfort by its finely contoured shape, edges and elastomer insert.

## Shielded

The shielded Actassi S-One DPM connectors have two very time saving and safe features. It's the spring-loaded bridle for locking and automatic 360° earthing, and the integrated earth drain contact, which provides efficient double earthing.



## Full compliance with ISO/IEC 11801: 2011 Ed2.2

To get your complete network installation classified you need to work with classified components. That's why you should choose our solutions. We provide seamless end-to-end connectivity through safe, speedy and reliable network installations. We are constantly adjusting and updating our portfolio, and at the same time making sure that they are fully compatible with older and future solutions.

Cat 5e

Cat 6

Cat 6<sub>A</sub>



2



Every part in our Actassi range is certified to deliver what we claim they will. The Actassi S-One DPM components are produced in Europe and fully compliant with ISO/IEC 11801: 2011 Ed2.2, so you can always count on an outstanding performance and reliability.



More data available on the web.  
Scan and discover.

For scanning, download the free Unitag app on [unitag.io/app](http://unitag.io/app)

- Performance categories: Cat 5e, 6 and 6<sub>A</sub>, unshielded and shielded
- Material: unshielded in ABS plastic, shielded in zamak
- Size: height 28 mm, width 18 mm, depth 35 mm
- Applicable standards:
  - ISO/IEC 11801: 2011 Ed2.2, class EA permanent link and channel
  - IEC 60603-7-51 Cat 6<sub>A</sub> connecting hardware
  - ANSI/TIA-568-C.2 Cat 6<sub>A</sub> connecting hardware
- One-piece design and U-shaped cable entry
- Tool-less IDC termination
- Earthing (shielded): metallic, 360° self-adjusting, plus drain wire contact
- Operational temperature range: -40°C to + 70°C.

### S-One DPM C5e – Cat 5e

Description	Qty/pack	Ref. No
RJ45 Connector Cat 5e unshielded DPM	1	VDIB17715U01
	12	VDIB17715U12
	96	VDIB17715U96
RJ45 Connector Cat 5e shielded DPM	1	VDIB17715B01
	12	VDIB17715B12
	96	VDIB17715B96

### S-One DPM C6 – Cat 6

Description	Qty/pack	Ref. No
RJ45 Connector Cat 6 unshielded DPM	1	VDIB17716U01
	12	VDIB17716U12
	96	VDIB17716U96
RJ45 Connector Cat 6 shielded DPM	1	VDIB17716B01
	12	VDIB17716B12
	96	VDIB17716B96

### S-One DPM C6<sub>A</sub> – Cat 6<sub>A</sub>

Description	Qty/pack	Ref. No
RJ45 Connector Cat 6 <sub>A</sub> unshielded DPM	1	VDIB1771XU01
	12	VDIB1771XU12
	96	VDIB1771XU96
RJ45 Connector Cat 6 <sub>A</sub> shielded DPM	1	VDIB1771XB01
	12	VDIB1771XB12
	96	VDIB1771XB96





# Actassi S-110 RJ45 connectors

Actassi S-110 is the high-quality range of RJ45 punch-down connectors with Keystone footprint. The connectors are unshielded, based on 110 termination technology and can be connected with Actassi Quick Termination Tool or Actassi punch-down tool. Actassi S-110 range provides full compliance to the latest international standards ISO/IEC 11801: 2011 Ed2.2 and ANSI/TIA-568-C.2 and is supported by Delta certification

## Transparent IDC cap

Clear and transparent IDC cap for faster visual inspection of wires after connection

## Easy identification

Available in 6 colours for easy and quick circuit/network identification and management in patch panels

## Integrated shutter

Patented integrated shutter, preventing from dust and accidental insertion

## U-shaped IDC cap

U-shaped IDC cap for axis or lateral entrance of the cable at the rear of the connector

## Visible category

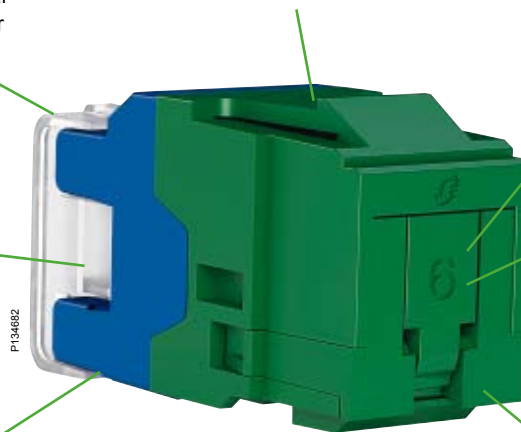
Category-marked on the front for easy and quick identification of the performance

## Bright contrast colour for safe connection

Bright colour at the back (white or royal blue) for better contrast during connection to reduce risk of mistakes

## Keystone footprint

Keystone footprint to fit Actassi fixed patch-panels range and faceplates



## Fixed panels – empty and equipped with the S-110 connectors

The Actassi S-110 product range offers 2 Actassi panels where S-110 RJ45 connectors can be fitted. The panels have a Quick Fix function on both sides and they are equipped with 4 label holders and a metal tray cable manager.

You can choose empty panel or equipped panel (delivered with S-110 Cat 5e unshielded or S-110 Cat 6 unshielded connectors, see page 91).



Empty fixed panel for S-110 connectors (for all categories **except Cat 6<sub>A</sub> unshielded**)



Equipped fixed panel with S-110 connectors (delivered with S-110 **Cat 5e unshielded** or **S-110 Cat 6 unshielded connectors**)

For the specific need of Cat 6<sub>A</sub> unshielded system, a panel is available with an offset design to fit with specific requirements of S-110 Cat 6<sub>A</sub> unshielded connectors.

This panel is equipped with S-110 Cat 6<sub>A</sub> unshielded connectors (black colour, without shutters, see page 93).



Equipped fixed panel for S-110 connectors (delivered with S-110 **Cat 6<sub>A</sub> unshielded connectors**)

- Performance categories: Cat 5e, 6 and 6A, unshielded
- Material: unshielded in ABS plastic
- Size: height 22 mm, width 16 mm, length 36 mm
- Applicable standards: ISO/IEC 11801: 2011 Ed2.2, ANSI/TIA-568-C.2
- Keystone footprint
- Punch-down IDC termination
- Patented shutter
- Available in various colours
- Operational temperature range: -40°C to 70°C
- Individual bag with cabling instructions
- Actassi S-110 Quick termination punch down tools compatible, see page 45.

## S-110 C5e – Cat 5e

Description	Qty/pack	Ref. No
<b>Without shutters</b>		
Connector RJ45 keystone unshielded, white	1	VDIB17765UWE
Connector RJ45 keystone unshielded, black	1	VDIB17765UBK
Connector RJ45 keystone unshielded	1	ACTRJSM5ENSUxx
Connector RJ45 keystone shielded	1	ACTRJSM5ENSS
Connector RJ45 keystone shielded, patch panel	1	ACTRJSM5ENSSP
<b>With shutters</b>		
Connector RJ45 keystone unshielded	1	VDIB17745Uxx

## S-110 30 M C5e – Cat 5e

Description	Qty/pack	Ref. No
<b>Without shutters</b>		
Connector RJ45 30 M, unshielded	1	ACTRJ30M5ENSUxx
<b>With shutters</b>		
Connector RJ45 30 M, unshielded	1	VDIB17735Uxx



P122155



P122154



3PR88SM5\_C5e/NS/Std/xx



ACTRJSM5T/GR/NS



3PR88SM5\_30M/Std/xx\_1,2

Where **xx** denotes the color of jacket: BK = black, BU = blue, GR = green, RD = red, SG = soft grey, WE = white, YL = yellow.



P134686



P134688



ACTRJSM6NSS



P134679



P134680



P134681



P134682



P134683



P134684

#### S-110 C6 – Cat 6

Description	Qty/pack	Ref. No
<b>Without shutters</b>		
Connector RJ45, keystone unshielded	1	VDIB17766Uxx
Connector RJ45, keystone shielded	1	ACTRJSM6NSS
Connector RJ45, keystone shielded, panel version	1	ACTRJSM6NSSP
<b>With shutters</b>		
Connector RJ45 keystone unshielded	1	VDIB17746Uxx

#### S-110 angled C6 – Cat 6



actrjsma6nssp

Description	Qty/pack	Ref. No
<b>Without shutters</b>		
Connector RJ45, keystone shielded, angled	1	ACTRJSM6NSS
Connector RJ45, keystone unshielded, angled	1	ACTRJSM6NSUxx

#### S-110 30 M C6 – Cat 6



VDIB17756UWE



VDIB17736UWE

VDIB17756Uxx

VDIB17736Uxx

Description	Qty/pack	Ref. No
<b>Without shutters</b>		
Connector RJ45 30 M, unshielded	1	VDIB17756Uxx
<b>With shutters</b>		
Connector RJ45 30 M, unshielded	1	VDIB17736Uxx

#### S-110 40 M C6 – Cat 6



P14717



P14718

Description	Qty/pack	Ref. No
<b>Without shutters</b>		
Connector RJ45 40 M, unshielded	1	VDIB17786UTN
<b>With shutters</b>		
Connector RJ45 40 M, unshielded	1	VDIB17796UTN

Where xx denotes the color of jacket: BK = black, BU = blue, GR = green, RD = red, SG = soft grey, TN = translucent, WE = white, YL = yellow.



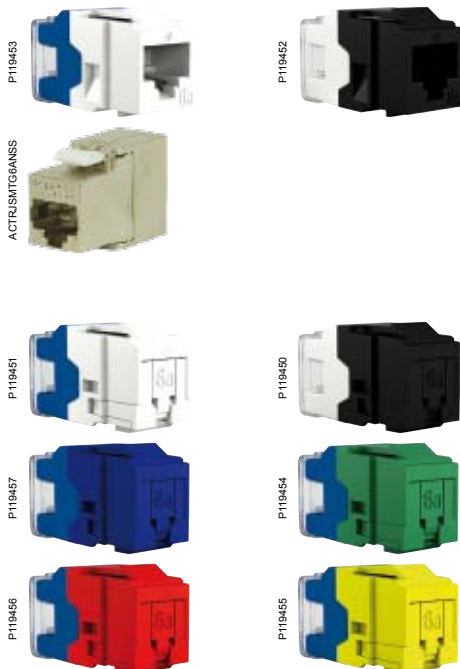
# Connectors

## S-110

### Category 6A

#### S-110 C6A – Cat 6<sub>A</sub>

Description	Qty/pack	Ref. No
<b>Without shutters</b>		
Connector RJ45, keystone unshielded	1	VDIB1776XUxx
<hr/>		
Connector RJ45, keystone shielded	1	ACTRJSMTG6ANSS
<hr/>		
Connector RJ45, keystone shielded, panel version	1	ACTRJSMTG6ANSSP
<b>With shutters</b>		
Connector RJ45, keystone unshielded	1	VDIB1774XUxx



#### S-110 angled C6A – Cat 6<sub>A</sub>

Description	Qty/pack	Ref. No
<b>Without shutters</b>		
Connector RJ45, keystone shielded, angled	1	ACTRJSMA6ANSSP



#### S-110 30 M C6A – Cat 6<sub>A</sub>

Description	Qty/pack	Ref. No
<b>Without shutters</b>		
Connector RJ45 30 M, unshielded	1	VDIB1775XUxx
<hr/>		
<b>With shutters</b>		
Connector RJ45 30 M, unshielded	1	VDIB1773XUxx



#### S-110 40 M C6A – Cat 6<sub>A</sub>

Description	Qty/pack	Ref. No
<b>Without shutters</b>		
Connector RJ45 40 M, unshielded	1	VDIB1778XUTN



Where **xx** denotes the color of jacket: BK = black, BU = blue, GR = green, RD = red, SG = soft grey, TN = translucent, WE = white, YL = yellow.

#### Quick termination punchdown tool

(compatible with S-110 Cat 6 and 6<sub>A</sub>, not compatible for Cat 5e)

- Fast and easy field installation tool with simple squeeze handle
- Handle lock design
- Aluminum alloy
- Replaceable cutting module design
- Save up termination time over 80 %
- Save up termination force needed to 70 %
- Termination of all wires at one single squeeze
- Ensure quality, stability and safety during termination
- Easy & handy carrying and storage.



P122301

Tool



[Video how to use it?](#)



P122303

Module

Description	Qty/pack	Ref. No
Quick termination punchdown tool (2 modules ACTTLQTB <sub>CM</sub> included)	1	<b>ACTTLQTB</b>
Cut module for punchdown tool	1	<b>ACTTLQTB<sub>CM</sub></b>
<b>For specific angled jack panel only</b>		
Quick termination punchdown tool angled (1 module ACTFSMODULE180 included)		<b>ACTFSPUNCH110</b>
110 cut module		<b>ACTFSMODULE180</b>



P138447

Tool



[Video how to use it?](#)



P138448

Blade

#### Standard tool (for S-110 tools for Cat 5e, 6 and 6<sub>A</sub>)

Description	Qty/pack	Ref. No
Punchdown tool (1 blade ACTTRJ45PDT <sub>B</sub> included)	1	<b>ACTTRJ45PDT</b>
Blade for standard punchdown tool ACTTRJ45PDT	1	<b>ACTTRJ45PDT<sub>B</sub></b>







# Actassi copper cables

This page must be checked by each country. Should contain some regional offer.

## Three ranges that cover all needs



### CL-C offer

Standard copper LAN cables for your day-to-day installations, based on U/UTP and F/UTP cables, from category 5 to category 6<sub>A</sub>. The CL-C cables are reliable and well-known, with good performance.



### CL-MNC offer

High-end copper LAN cables for performances from category 6 to category 7<sub>A</sub> 1000 MHz. Exceeding international standards by 3 dB minimum on NEXT. Full Delta certification for components.



### CL-MX offer

Exclusively designed LAN copper cables for category 6<sub>A</sub> with a patented single-foil metallic Xfiller, providing high performance and reliable shielded installations. Exceeding international standards by 20 dB on NEXT. Full Delta certification for components.

2

## Actassi offer overview

Type of shielding	Performances				
	Cat 5	Cat 5e	Cat 6	Cat 6 <sub>A</sub>	Cat 7 <sub>A</sub>
U/UTP		CL-C*	CL-C* CL-MNC		
F/UTP	CL-C*	CL-C*	CL-C	CL-C CL-MNC	
SF/UTP			CL-C		
U/FTP			CL-MNC	CL-MNC	
F/FTP				CL-MNC CL-MX	CL-MNC
S/FTP					CL-MNC**

\* Available with PVC or LSZH jacket material.

\*\* Available with LSZH or LSFRZH (LSZH + improved Fire Resistance) sheath material.

## Cable standardisation

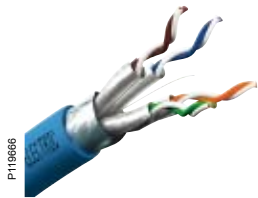
X/X TP

- TP= Twisted Pair
- F= Foil screened, U=Unscreened
- F= Foil screened, S=Braid screened, SF=Braid & Foil screened, U=Unscreened

# Actassi copper cables

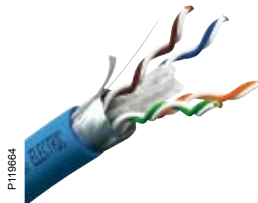
This page must be checked by each country. Should contain some regional offer.

## Some important advantages



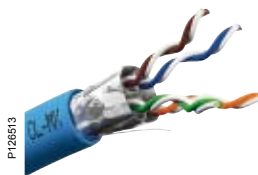
### CL-C, CL-MNC, CL-MX conductivity

For the whole offer, the conducting side of the shield is turned outwards. Thus, there is no need to turn the shield inside out before applying the connector to have a good conductivity. You will gain time during installation, there will be no destruction of the shield and you will get very good shielding.



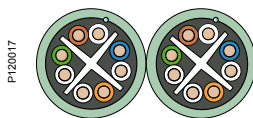
### CL-MNC crossfiller with optimized design and micro-blades

With an optimized design and specific micro-blades, you will have better performances in NEXT and ELFEXT, and a better resistance to the mechanical constraints.



### CL-MX patented metallic crossfiller

New and patented metallic crossfiller design of the CL-MX LAN copper cable, providing superior shielding, faster installations and increased efficiency.



### CL-C, CL-MNC, CL-MX dual cables

In order to facilitate cable laying, the majority of our cables are available in dual version. Only one operation to install two cables.

### Certificates

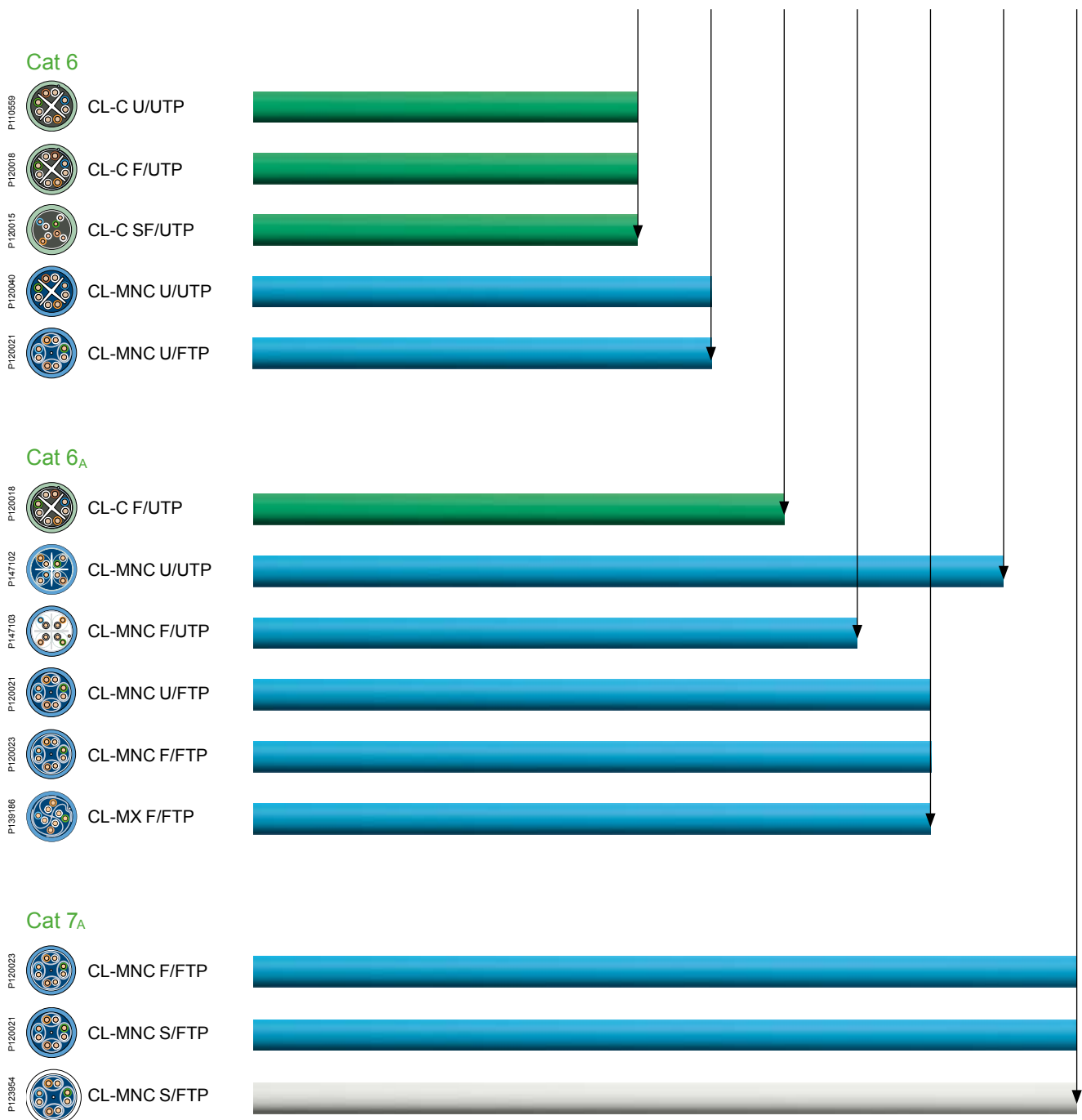
All LAN cables from Category 6 are certified at a component level by the independent third-party laboratory Delta. Certificates are regularly updated to be compliant to the latest and highest international standards.



This page must be checked by each country. Should contain some regional offer.

# Performances

Frequency (MHz)	250		500				1000
Attenuation (dB)*	33	33	45.3	45.5	45.3	45.3	61.9
NEXT (dB)*	39.3	42.3	34.8	37.8	54.8	37.8	60.4
ACR-F (dB)*	20	23	14	17	24	17	35.3
Propagation speed (%c)	66	66	70	70	82	66	78



\* Guaranteed characteristics given for 100 meters at maximum frequencies:  
250 MHz for category 6, 500 MHz for category 6<sub>A</sub>, 1000 MHz for category 7<sub>A</sub>.

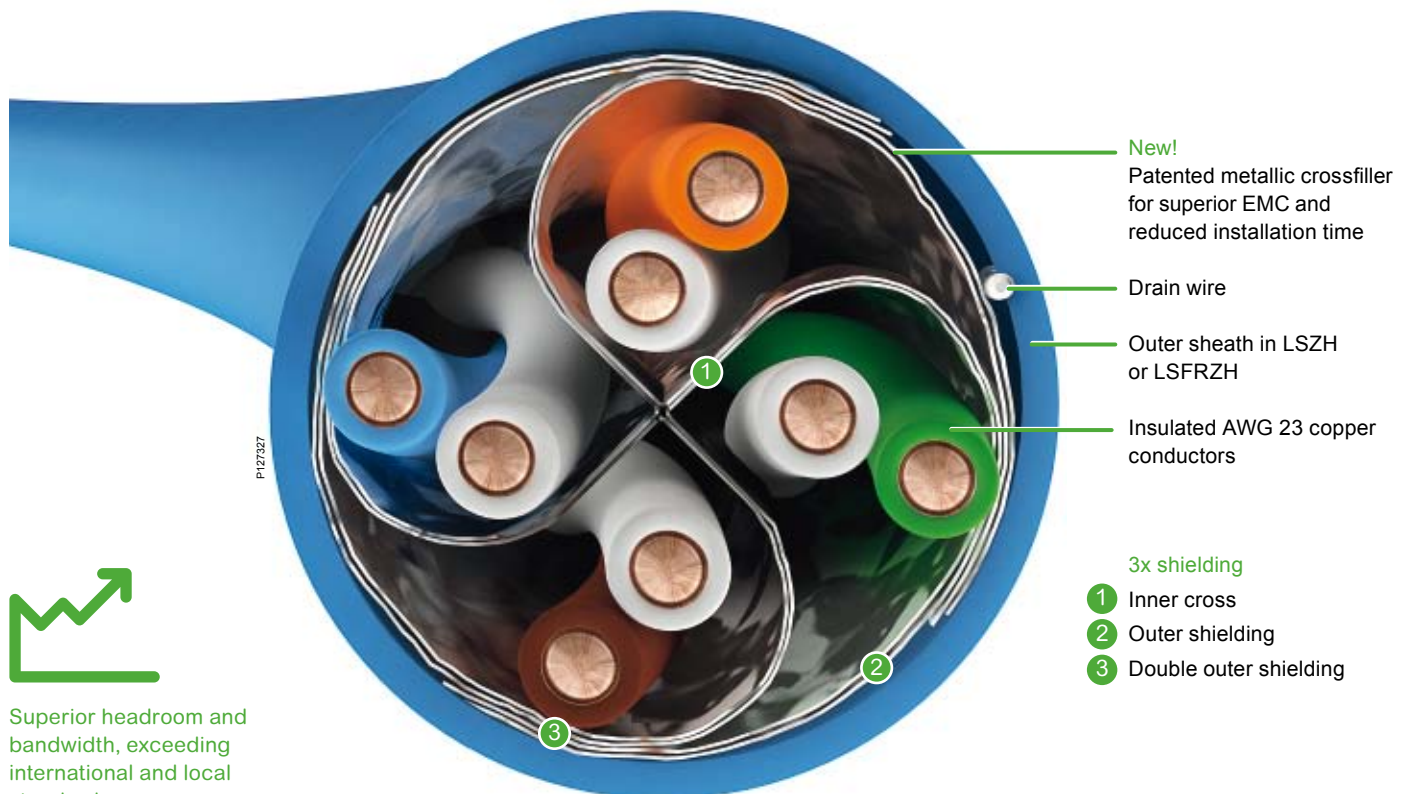


# Actassi CL-MX cables

## 3 times improved performance with 1 new metallic crossfiller

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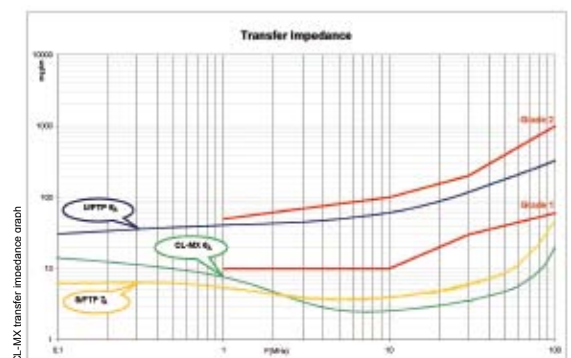
The patented crossfiller brings 3x shielding and superior Electro Magnetic Compatibility (EMC). Thanks to the unique design, the EMC performance is among the best in the market with performances exceeding the standard requirements for shielded cables with braid (S/FTP). The metallic crossfiller ensures an improved transfer impedance to fit requirements of sensitive areas where data transmission is critical. Best of all, Actassi CL-MX cables require less operations to be installed.



Superior headroom and bandwidth, exceeding international and local standards.

### Designed for improved EMC

High-speed transmission protocols beyond 10 Gbit/s highlight ANEXT sensitivity and noise immunity as key performance factors for efficient, secure and robust installations. The single-foil structure of the metallic crossfiller acts like a triple screen protection around the copper twisted pairs. This specific design enhances EMC performances to reach grade 1 on the transfer impedance parameter, which is better than a shielded design with braid.





P127328

This page must be checked by each country. Should contain some regional offer.



The fire properties are documented by standardized methods according to IEC 60332-1, IEC 60332-3C, IEC 60754-1 and IEC 60754-2.

### Better link performance

With Actassi CL-MX the installations are easy and safe. According to the international standards for shielded LAN cables, the use of CL-MX cables will require less installation operations:

- No separation distance to power cabling\*
- No ANEXT field testing

\*EN 50174-2 to be referred

### Improved safety in case of fire

Actassi CL-MX is available in two versions, the flame retardant LSZH and the fire retardant LSFRZH. Both are halogen-free. In case of fire, the result of using CL-MX is the reduction of the emissions of opaque smoke and acid gases. Thus, it helps reducing damages to equipment and allows people to escape from the building more easily.



2

### Less cutting with Actassi CL-MX



Use the cable stripper tool and cut the outer sheath. Cut the one single foil metallic crossfiller and remove it with a simple grip. Your CL-MX is ready to connect.

Instead of separate wrapped-in foil pairs (like in traditional F/FTP or F/UTP cables), the Actassi CL-MX new crossfiller is wrapped in one single foil. This means less cutting and improved quality of the cable preparation. No need to pay attention to cutting the foils at exactly the same level, or to the length of the F/UTP plastic cross.

### Why traditional F/FTP cables are 3 times slower to install



Prepare your tools. Use the cable stripper tool and cut the outer sheath. Cut the outer foil. Remove the foil. Separate all pairs and the drain wire. Cut and remove the foil of the first pair. Cut and remove the foil of the second pair. Cut and remove the foil of the third pair. Cut and remove the foil of the fourth pair.

3x  
Three times faster installation with Actassi CL-MX



# Cables

## EMEAS

### CL-C Copper LAN cables - Category 5

#### CL-C Category 5 Copper LAN cables

##### CL-C Cat 5 F/UTP Multi pair cable

#### Specifications

- 100 Ohms, 100 MHz, AWG24, 25 twisted pairs with overall screen
- Organisation of the pairs in three levels (for 25 pairs) with aramid fibre.

#### Performances

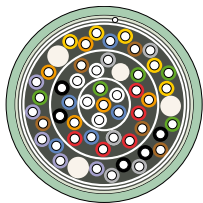
- Compliant to ISO 11801, EN 50173 and IEC 61156-4 standard.

#### Use

- Phone backbone.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
25 pair cable	210 kg/km	13.6 mm	LSZH	500 m	<b>VDIC235225</b>

Our multipair cables are sold in meters, from minimum 50 meters to 400 meters.  
Lengths between 400 and 500 m are always delivered in drums of 500 m.



P118918





# Cables

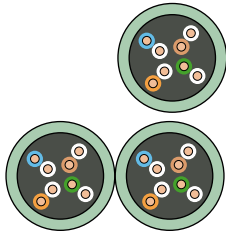
## EMEAS

### CL-C Copper LAN cables - Category 5e

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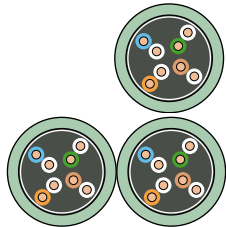
P120014, P120013



P119861



P120016, P120015



#### CL-C Category 5e Copper LAN cables

##### CL-C Cat 5e U/UTP

###### Specifications

■ 100 Ohms, 100 MHz, AWG24, 4 pairs or 2x4 twisted pairs without screen. Compatible with PoE standards (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WiFi hotspot...) until 13 W or 25 W.

###### Performances

■ Compliant to EN 50173-1, ISO/IEC 11801: 2011 Ed2.2, IEC 61156-5 Ed2 and TIA/EIA-568-C.2 standards.

NEXT	Guaranteed	Standard IEC
100 MHz	35.3 dB	≥ 35.3 dB

###### Use

■ Network cabling systems for category 5 voice & data applications. Data rates transmission: Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	30.9 kg/km	4.9 mm	LSZH	305 m	<b>VDIC115118</b>
			LSZH	500 m	<b>VDIC115218</b>
	30.1 kg/km	4.9 mm	PVC	305 m	<b>VDIC115118P</b>
			PVC	500 m	<b>VDIC115218P</b>
2x4 pair cable	63.5 kg/km	5.25x 11.35 mm	LSZH	500 m	<b>VDIC115228</b>

##### CL-C Cat 5e F/UTP

###### Specifications

■ 100 Ohms, 100 MHz, AWG24, 4 pairs or 2x4 twisted pairs without screen. Compatible with PoE standards (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WiFi hotspot...) until 13 W or 25 W.

###### Performances

■ Compliant to EN 50173-1, ISO/IEC 11801: 2011 Ed2.2, IEC 61156-5 Ed2 standards.

NEXT	Guaranteed	Standard IEC
100 MHz	35.3 dB	≥ 35.3 dB

###### Use

■ Network cabling systems for category 5 voice & data applications. Data rates transmission: Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	41.2 kg/km	6 mm	LSZH	305 m	<b>VDIC135118</b>
			LSZH	500 m	<b>VDIC135218</b>
	39.6 kg/km	6 mm	PVC	305 m	<b>VDIC135118P</b>
			PVC	500 m	<b>VDIC135218P</b>
2x4 pair cable	74.4 kg/km	6x11.8 mm	LSZH	500 m	<b>VDIC135228</b>





# Cables

## EMEAS

### CL-C Copper LAN cables - Category 6

#### CL-C Category 6 Copper LAN cables

##### CL-C Cat 6 U/UTP

###### Specifications

- 100 Ohms, 250 MHz, AWG23, 4 pairs or 2x4 pairs without screen
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WiFi hotspot...) until 13 W or 25 W.

###### Performances

- Compliant to EN 50173-1, ISO/IEC 11801: 2011 Ed2.2, IEC 61156-5 Ed2, EN 50288-6-1 and TIA/EIA-568-C.2 standards.

NEXT	Guaranteed	Standard IEC
250 MHz	39.3 dB	≥ 39.3 dB

###### Use

- Network cabling systems for category 6 voice & data applications. Data rates transmission: Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	40.9	5.9 mm	LSZH	305 m	<b>VDIC116118</b>
	kg/km				
	40 kg/km	5.9 mm	PVC	305 m	<b>VDIC116118P</b>
	40.9	5.9 mm	LSZH	500 m	<b>VDIC116218</b>
	kg/km				
2x4 pair cable	87.5	5.9x	LSZH	500 m	<b>VDIC116228</b>
	kg/km	13.25 mm			

##### CL-C Cat 6 F/UTP

###### Specifications

- 100 Ohms, 250 MHz, AWG24, 4 pairs or 2x4 pairs with overall screen. Cross filler to organize the pairs.
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WiFi hotspot...) until 13 W or 25 W.

###### Performances

- Compliant to EN 50173-1, ISO/IEC 11801: 2011 Ed2.2, IEC 61156-5 Ed2 and EN 50288-5-1 standards.

NEXT	Guaranteed	Standard IEC
250 MHz	39.3 dB	> 39.3 dB

###### Use

- Network cabling systems for category 6 voice & data applications. Data rates transmission: Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	49 kg/km	7.1 mm	LSZH	305 m	<b>VDIC136118</b>
		7.1 mm	LSZH	500 m	<b>VDIC136218</b>
				1000 m	<b>VDIC136318</b>
2x4 pair cable	98 kg/km	7.1x	LSZH	500 m	<b>VDIC136228</b>
		14.4 mm			

##### CL-C Cat 6 SF/UTP

###### Specifications

- 100 Ohms, 250 MHz, AWG23, 4 pairs with overall screen and metallic braid
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WiFi hotspot...) until 13 W or 25 W.

###### Performances

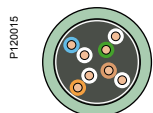
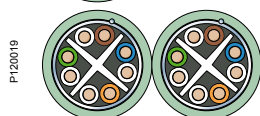
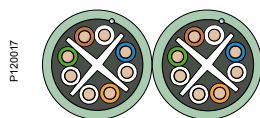
- Compliant to EN 50173-1, ISO/IEC 11801: 2011 Ed2.2, IEC 61156-5 Ed2 and EN 50288-5-1 standards.

NEXT	Guaranteed	Standard IEC
250 MHz	39.3 dB	> 39.3 dB

###### Use

- Network cabling systems for category 6 voice & data applications. Data rates transmission: Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	68.5	7.6 mm	LSZH	500 m	<b>VDIC176218</b>
	kg/km				





# Cables

## EMEAS

### CL-C Copper LAN cables - Category 6A

#### CL-C Category 6<sub>A</sub> Copper LAN cables

##### CL-C Cat 6<sub>A</sub> F/UTP

##### Specifications

- 100 Ohms, 500 MHz, AWG 23, 4 pairs or 2x4 pairs with overall screen
- Cross filler to organize the pairs
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WiFi hotspot...) until 13 W or 25 W.

##### Performances

- Compliant to EN 50173-1, ISO/IEC 11801: 2011 Ed2.2, IEC 61156-5 Ed2 and EN 50288-10-1 standards.

NEXT	Guaranteed	Standard IEC
500 MHz	34.8 dB	> 34.8 dB

##### Use

- Network cabling systems for category 6<sub>A</sub> voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	50 kg/km	7.5 mm	LSZH	500 m	<b>VDIC13X218</b>
				1000 m	<b>VDIC13X318</b>
2x4 pair cable	102 kg/km	7.5x 15.2 mm	LSZH	500 m	<b>VDIC13X228</b>

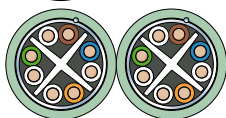


P119667

P120018



P120019







# Cables

## EMEAS

### CL-MNC Copper LAN cables - Category 6

#### CL-MNC Category 6 Copper LAN cables

##### CL-MNC Cat 6 U/UTP

#### Specifications

- 100 Ohms, 250 MHz, AWG23, 4 pairs without screen. Cross filler to organize the pairs
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WiFi hotspot...) until 13 W or 25 W.

#### Performances

- Compliant to EN 50173-1, ISO/IEC 11801: 2011 Ed2.2, IEC 61156-5 Ed2, EN 50288-6-1 and TIA/EIA-568-C.2 standards.

NEXT	Guaranteed	Standard IEC
250 MHz	42.3 dB	> 39.3 dB

#### Use

- Network cabling systems for category 6 voice & data applications. Data rates transmission: Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	40.9 kg/km	5.9 mm	LSZH	500 m	<b>VDIC616218</b>

##### CL-MNC Cat 6 U/FTP

#### Specifications

- 100 Ohms, 250 MHz, AWG23, 4 pairs or 2x4 pairs with individual screens
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WiFi hotspot...) until 13 W or 25 W.

#### Performances

- Compliant to EN 50173-1, ISO/IEC 11801: 2011 Ed2.2, IEC 61156-5 Ed2 and EN 50288-5-1 standards.

NEXT	Guaranteed	Standard IEC
250 MHz	42.3 dB	> 39.3 dB

#### Use

- Network cabling systems for category 6 voice & data applications. Data rates transmission: Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	48 kg/km	7.1 mm	LSZH	500 m	<b>VDIC626218</b>
			LSZH	1000 m	<b>VDIC626318</b>
2x4 pair cable	97 kg/km	7.1x14.2 mm	LSZH	500 m	<b>VDIC626228</b>



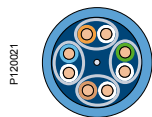
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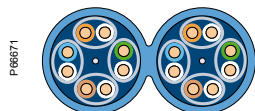
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# Cables

## EMEAS

### CL-MNC Copper LAN cables - Category 6A



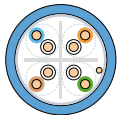
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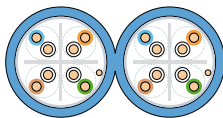
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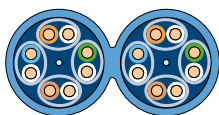
P147104



P119665



P120021



P86671

#### CL-MNC Category 6<sub>A</sub> Copper LAN cables

##### CL-MNC Cat 6<sub>A</sub> U/UTP

###### Specifications

- 100 Ohms, 500 MHz, AWG 23, 4 pairs overall screen
- NVP = 70 %
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WiFi hotspot...) until 13 W or 25 W.

###### Performances

- Compliant to EN 50173-1, ISO/IEC 11801: 2011 Ed2.2, IEC 61156-5 Ed2 and EN 50288-10-1 standards.

NEXT	Guaranteed	Standard IEC
500 MHz	37.8 dB	>34.8 dB

###### Use

- Network cabling systems for category 6<sub>A</sub> voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	60 kg/km	7.7 mm	LSZH	500 m	VDIC60X218

##### CL-MNC Cat 6<sub>A</sub> F/UTP

###### Specifications

- 100 Ohms, 500 MHz, AWG 23, 4 pairs and 2x4 pairs with overall screen
- NVP = 70 %
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WiFi hotspot...) until 13 W or 25 W.

###### Performances

- Compliant to EN 50173-1, ISO/IEC 11801: 2011 Ed2.2, IEC 61156-5 Ed2 and EN 50288-10-1 standards.

NEXT	Guaranteed	Standard IEC
500 MHz	37.8 dB	> 34.8 dB

###### Use

- Network cabling systems for category 6<sub>A</sub> voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	50 kg/km	7.5 mm	LSZH	500 m	VDIC63X218
				1000 m	VDIC63X318
2x4 pair cable	110 kg/km	7.5x 15.2 mm	LSZH	500 m	VDIC63X228

##### CL-MNC Cat 6<sub>A</sub> U/FTP

###### Specifications

- 100 Ohms, 500 MHz, AWG23, 4 pairs and 2x4 pairs with individual screen
- NVP = 80 %
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WiFi hotspot...) until 13 W or 25 W.

###### Performances

- Compliant to EN 50173-1, ISO/IEC 11801: 2011 Ed2.2, IEC 61156-5 Ed2 and EN 5028810-1 standards.

NEXT	Guaranteed	Standard IEC
500 MHz	54.8 dB	> 34.8 dB

###### Use

- Network cabling systems for category 6<sub>A</sub> voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	48 kg/km	7.1 mm	LSZH	500 m	VDIC62X218
				1000 m	VDIC62X318
2x4 pair cable	97 kg/km	7.1x 13.8 mm	LSZH	500 m	VDIC62X228



# Cables

## EMEAS

### CL-MNC Copper LAN cables - Category 6A

#### CL-MNC Cat 6<sub>A</sub>F/FTP

##### Specifications

- 100 Ohms, 500 MHz, AWG23, 4 pairs and 2x4 pairs with individual screen and overall screen
- NVP = 80 %
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WiFi hotspot...) until 13 W or 25 W.

##### Performances

- Compliant to EN 50173-1, ISO/IEC 11801: 2011 Ed2.2, IEC 61156-5 Ed2 and EN 5028810-1 standards.

NEXT	Guaranteed	Standard IEC
500 MHz	54.8 dB	> 34.8 dB

##### Use

- Network cabling systems for category 6<sub>A</sub> voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	48 kg/km	7 mm	LSZH	500 m	<b>VDIC64X218</b>
	50 kg/km	7 mm	LSZH	1000 m	<b>VDIC64X318</b>
2x4 pair cable	96 kg/km	7x14.2 mm	LSZH	500 m	<b>VDIC64X228</b>

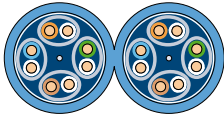
P119666



P120023



P66659





# Cables

## EMEAS

### CL-MNC Copper LAN cables - Category 7A

#### CL-MNC Category 7A Copper LAN cables

##### CL-MNC Cat 7<sub>A</sub> F/FTP

###### Specifications

- 100 Ohms, 1000 MHz, AWG23, 4 pairs and 2x4 pairs with individual screen and overall screen, PiMF construction
- NVP = 80 %
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WiFi hotspot...) until 13 W or 25 W.

###### Performances

- Compliant to EN 50173-1, ISO/IEC 11801: 2011 Ed2.2, IEC 61156-5 Ed2 and EN 50288-9-1 standards.

NEXT	Guaranteed	Standard IEC
1000 MHz	60.4 dB	> 60.4 dB

###### Use

- Network cabling systems for category 7<sub>A</sub> voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	57 kg/km	7.5 mm	LSZH	500 m	VDIC648218
				1000 m	VDIC648318
2x4 pair cable	115 kg/km	7.5x 15.2 mm	LSZH	500 m	VDIC648228

##### CL-MNC Cat 7<sub>A</sub> S/FTP

###### Specifications

- 100 Ohms, 1000 MHz, AWG23, 4 pairs and 2x4 pairs with individual screen and metallic braid, PiMF construction
- NVP = 80 %
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WiFi hotspot...) until 13 W or 25 W.

###### Performances

- Compliant to EN 50173-1, ISO/IEC 11801: 2011 Ed2.2, IEC 61156-5 Ed2 and EN 5028810-1 standards.

NEXT	Guaranteed	Standard IEC
1000 MHz	60.4 dB	> 60.4 dB

###### Use

- Network cabling systems for category 7<sub>A</sub> voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	59 kg/km	7.3 mm	LSZH	500 m	VDIC658218
				1000 m	VDIC658318
2x4 pair cable	118 kg/km	7.3x 14.8 mm	LSZH	500 m	VDIC658228

##### CL-MNC Cat 7<sub>A</sub> S/FTP

###### Specifications

- 100 Ohms, 1000 MHz, AWG23, 4 pairs and 2x4 pairs with individual screen and metallic braid, PiMF construction
- NVP = 80 %
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WiFi hotspot...) until 13 W or 25 W
- Fire retardant properties according to IEC 60332-3C, NF C 32070 2.1, NF C 32070 2.2.

###### Performances

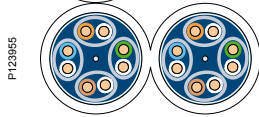
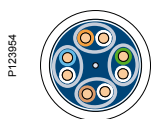
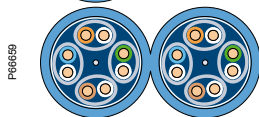
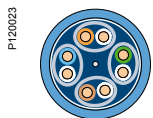
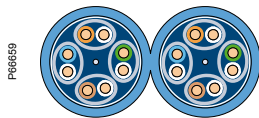
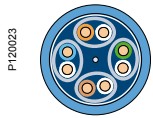
- Compliant to EN 50173-1, ISO/IEC 11801: 2011 Ed2.2, IEC 61156-5 Ed2 and EN 50288-10-1 standards.

NEXT	Guaranteed	Standard IEC
1000 MHz	60.4 dB	> 60.4 dB

###### Use

- Network cabling systems for category 7<sub>A</sub> voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	71 kg/km	7.9 mm	LSFRZH	1000 m	VDIC658318F01
2x4 pair cable	140 kg/km	7.9x16 mm	LSFRZH	500 m	VDIC658228F01







# Cables

## EMEAS

### CL-MX Copper LAN cables - Category 6A

#### CL-MX Category 6<sub>A</sub> Copper LAN cables

##### CL-MX Cat 6<sub>A</sub> F/FTP

##### Specifications

- 100 Ohms, 500 MHz, AWG23, 4 pairs and 2x4 pairs with patented single-foil metallic crossfiller design
- Superior EMC performances: grade 1 Transfer Impedance
- Quick and simple twin removal actions for the sheath and the shield
- NVP = 82 %
- Fire retardant properties for LSFRZH version according to IEC 60332-3C, NF C 32070 2.1, NF C 32070 2.2
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WiFi hotspot...) until 13 W or 25 W.

##### Standards

- Compliant to EN 50173-1, ISO/IEC 11801: 2011 Ed2.2, IEC 61156-5 Ed2 and EN 50288-10-1 standards.

NEXT	Guaranteed	Standard IEC
500 MHz	54.8 dB	> 34.8 dB

##### Use

- Network cabling systems for category 6<sub>A</sub> voice & data applications. High data rates transmission: 10 Gigabit Ethernet, Gigabit Ethernet, 10/100 BaseT.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	54 kg/km	7.3 mm	LSZH	500 m	<b>VDIC68X218</b>
4 pair cable	54 kg/km	7.3 mm	LSZH	1000 m	<b>VDIC68X318</b>
2x4 pair cable	108 kg/km	7.3x14.8 mm	LSZH	500 m	<b>VDIC68X228</b>
4 pair cable	63 kg/km	7.7 mm	LSFRZH	500 m	<b>VDIC68X218F01</b>
4 pair cable	63 kg/km	7.7 mm	LSFRZH	1000 m	<b>VDIC68X318F01</b>
2x4 pair cable	126 kg/km	7.7x15.6 mm	LSFRZH	500 m	<b>VDIC68X228F01</b>

P 126513



P 139186





# Cables

## APAC

### CL-C Copper LAN cables - Category 3

CA83050005\_Cat3 50P



ACT25P3UCM3RGY

#### CL-C Cat 3 UTP Multi pair cable

##### Specifications

- 24 AWG, 25 twisted pairs
- Compliant with ANSI/TIA/EIA-568C Category 3 standard
- IEC LSZH fire retardant tested.

##### Use

- Telephony or IEEE 802.3 10 Base-T applications.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
25 pair cable	174.8 kg/km	11 mm	PVC - CM	305 m	<b>ACT25P3UCM3RGY</b>
	223 kg/km	11 mm	PVC - CMR	305 m	<b>ACT25P3UCR3RGY</b>
	198.4 kg/km	11 mm	LSZH	305 m	<b>ACT25P3ULS3RGY</b>
50 pair cable	351.6 kg/km	15.8 mm	PVC - CM	305 m	<b>ACT50P3UCM3RGY</b>
	332.8 kg/km	15.8 mm	PVC - CMR	305 m	<b>ACT50P3UCR3RGY</b>
	336.1 kg/km	15.8 mm	LSZH	305 m	<b>ACT50P3ULS3RGY</b>
100 pair cable	647.5 kg/km	22 mm	PVC - CM	305 m	<b>ACT100P3UCM3RGY</b>
	657.4 kg/km	22 mm	PVC - CMR	305 m	<b>ACT100P3UCR3RGY</b>
			LSZH	305 m	<b>ACT100P3ULS3RGY</b>



# Cables

## APAC

### CL-C Copper LAN cables - Category 5e

#### Category 5e PVC cables

The Actassi Category 5e 4-pair cable consists of 24 AWG (0.51 mm) solid-copper conductors insulated with high-density polyethylene. The insulated conductors are tightly twisted into pairs and covered with PVC material.

The Actassi Category 5e 4-pair cable provides excellent high-speed transmission, is certified to 100 MHz. This product is UL listed with a CM or CMR fire rating.

#### Category 5e LSZH cables

The Actassi Category 5e low smoke zero halogen (LSZH) 4-pair cable consists of 24 AWG (0.51 mm) solid-copper conductors insulated with high-density polyethylene. The insulated conductors are tightly twisted into pairs and covered with a non-halogen high-density polyethylene jacket made from low smoke zero halogen compounds.

The Actassi Category 5e LSZH 4-pair cable provides excellent high-speed transmission, and certified to 155 MHz. This product is UL listed with a CM fire rating.

#### Product features

- Compliant with enhanced Category 5 standard.

#### Customer benefits

- Ideal for high-speed networks and broadband distribution in the premise
- Suits horizontal and vertical wiring.

#### CL-C Cat 5e U/UTP

##### Specifications

- 24 AWG. 4 pairs. Centre filler to maintain pair twisting.

##### Performances

- Compliant to: IEC 60754 part 2 (non-halogen), IEC 61034 part 2 (smoke emission), IEC 60332-1 (flammability and Fire Retardant).

NEXT	Guaranteed	Standard IEC
100 MHz	38.3 dB	≥ 35.3 dB

##### Use

- Applications such as 155 Mb/s ATM, 622 Mb/s ATM and IEEE 802.3 1000 Base-T (Gigabit ethernet) standards, using parallel transmission technology.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	42 kg/km	4.8 mm	PVC - CM	305 m	<b>ACT4P5EUCM3RBxx</b>
			PVC - CMR	305 m	<b>ACT4P5EUCR3RBxx</b>
			LSZH	305 m	<b>ACT4P5EULS3RBxx</b>

#### CL-C Cat 5e F/UTP

##### Specifications

- 24 AWG. 4 pairs. Centre filler to maintain pair twisting
- Wrapped with aluminum foil as binder
- PE insulation of conductors.

##### Performances

- Compliant to: IEC 60754 part 2 (non-halogen), IEC 61034 part 2 (smoke emission), IEC 60332-1 (flammability and Fire Retardant).

NEXT	Guaranteed	Standard IEC
100 MHz	35.3 dB	≥ 35.3 dB

##### Use

- Applications such as 155 Mb/s ATM, 622 Mb/s ATM and IEEE 802.3 1000 Base-T (Gigabit ethernet) standards, using parallel transmission technology.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	42 kg/km	5 mm	PVC - CM	305 m	<b>ACT4P5ESCM3RBxx</b>
			PVC - CMR	305 m	<b>ACT4P5ESCR3RBxx</b>
			LSZH	305 m	<b>ACT4P5ESLS3RBxx</b>

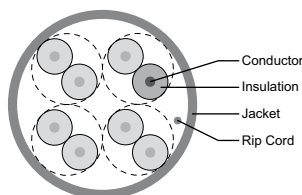
Where **xx** denotes the color of jacket: BU = blue, WE = white, BK = black, GY = grey, GR = green, RD = red, YL = yellow.

2DMP9P/3B\_Cat5e UTP-PVC

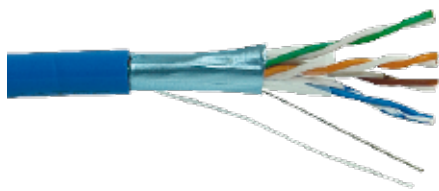


ACT4P5EULS3RBBU

Cat5e UTP Cable\_4wg



CAB5E305FTP



ACT4P5ESCR3RBBU



# Cables

## APAC

### CL-C Copper LAN cables - Category 5e

Category 5 25-pair cable is constructed of 24 AWG (0.5 mm) solid-copper conductors insulated with high density polyethylene. The insulated conductors are tightly twisted into pairs, stranded into mini-units. This construction allows for easy pair identification and subsequent termination.

Category 5 25-pair cable provides excellent high-speed transmission, certified to 100 MHz and supports applications such as 155 Mb/s ATM, 622 Mb/s ATM and IEEE 802.3 1000 Base-T (Gigabit ethernet) standards, using parallel transmission technology or as a high performance voice riser cable. This product is UL listed with a CMR fire rating for riser use.

Category 5e 25-pair cable allows the use of multi-pair cables in interconnects and zone cabling applications. The 25-pair cable construction reduces tray and conduit fill rates whilst allowing high-density interconnections.

#### Product features

- Compliant with enhanced Category 5 standard
- PE insulation of conductors
- Grey PVC jacket.

#### Customer benefits

- Ideal for high-speed networks and broadband distribution in the premise
- Suits horizontal and vertical wiring.

#### CL-C Cat 5e UTP Multi pair cable

##### Specifications

- 24 AWG. 25 twisted pairs.

NEXT	Guaranteed	Standard IEC
100 MHz	35.3 dB	≥ 35.3 dB

##### Use

- Interconnect and zone cabling applications.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
25 pair cable	184 kg/km	12.5 mm	PVC - CM	305 m	<b>ACT25P5EUCM3RGY</b>
			PVC - CMR	305 m	<b>ACT25P5EUCR3RGY</b>
			LSZH	305 m	<b>ACT25P5EULS3RGY</b>

CABE025306\_Cat5e 25P



ACT25P5EUCR3RGY







# Cables

## APAC

### CL-C Copper LAN cables - Category 6

#### Category 6 PVC cables

The Actassi 4-pair Category 6 cable is a superior product delivering excellent network performance when used in conjunction with other Actassi Category 6 products. The Category 6 cable consists of 4 pairs of solid insulated copper 23 AWG and is UL listed with a CM or CMR fire rating. The Category 6 cable provides a significant margin above the minimum Category 6 near end crosstalk NEXT requirement of ANSI/TIA/EIA-568 and ISO/IEC 11801.

#### Category 6 LSZH cables

The availability of a central filler helps in delivering superior cross-talk isolation and therefore ensures excellent performance. This precision and unique manufacturing process design allows for easy removal, which maximizes both performance and termination. Insulated with non-halogen high-density polyethylene and covered with low smoke zero halogen compounds. It is designed for use in horizontal cabling situations where building smoke requirements mandate low smoke and zero halogen installation.

#### Product features

- Centre filler to maintain pair twisting and optimum NEXT and ELFEXT performance
- 23 AWG conductors for improved insertion loss performance.

#### Customer benefits

- Exceeds Category 6 ANSI/TIA/EIA-568-C2-1 and ISO/IEC 11801 standards
- Supports Gigabit ethernet (1000 Base-T and 1000 Base-TX) and beyond.

#### CL-C Cat 6 U/UTP

##### Specifications

- 23 AWG. 4 pairs. Centre filler to maintain pair twisting.

##### Performances

- Compliant to: ISO/IEC 11801 Class E, IEC 60754 part 2 (non-halogen), IEC 61034 part 2 (smoke emission), IEC 60332-1 (flammability and Fire Retardant).

NEXT	Guaranteed	Standard IEC
250 MHz	41.3 dB	≥ 39.3 dB

##### Use

- In horizontal cabling situations
- LSZH cables: high-bandwidth applications, including the IEEE 802.3AB 1000 Base-T (Gigabit ethernet), TIA/EIA 1000 Base-TX, 1.2Gb/s ATM and any future applications designed for Category 6/Class E cabling, broadband video.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	40 kg/km	6 mm	PVC - CM	305 m	<b>ACT4P6UCM3RBxx</b>
			PVC - CMR	305 m	<b>ACT4P6UCR3RBxx</b>
			LSZH	305 m	<b>ACT4P6ULS3RBxx</b>

#### CL-C Cat 6 F/UTP

##### Specifications

- 23 AWG. 4 pairs. Centre filler to maintain pair twisting.

##### Performances

- Compliant to: ISO/IEC 11801 Class E, IEC 60754 part 2 (non-halogen), IEC 61034 part 2 (smoke emission), IEC 60332-1 (flammability and Fire Retardant).

NEXT	Guaranteed	Standard IEC
250 MHz	41.3 dB	≥ 39.3 dB

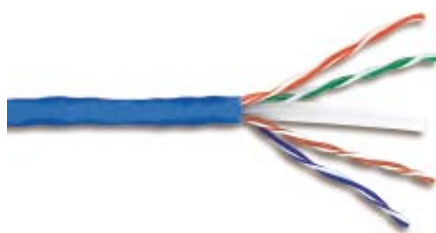
##### Use

- In horizontal cabling situations
- LSZH cables: high-bandwidth applications, including the IEEE 802.3AB 1000 Base-T (Gigabit ethernet), TIA/EIA 1000 Base-TX, 1.2Gb/s ATM and any future applications designed for Category 6/Class E cabling, broadband video.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	52.5 kg/km	7.3 mm	PVC - CM	305 m	<b>ACT4P6SCM3RBxx</b>
			LSZH	305 m	<b>ACT4P6SLS3RBxx</b>

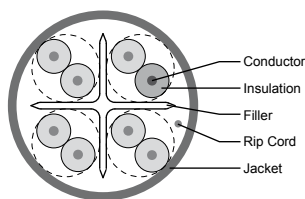
Where xx denotes the color of jacket: BK = black, BU = blue, GR = green, RD = red, SG = soft grey, WE = white, YL = yellow.

2D4R6IPV3B\_Cat6 UTP



ACT4P6UCM3RBxx  
ACT4P6UCR3RBxx  
ACT4P6ULS3RBxx

Cat6 UTP Cable

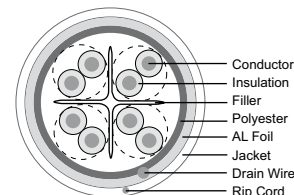


2D4R6IPVFTP3\_Cat 6 FTP PVC1



ACT4P6SCM3RBxx  
ACT4P6SLS3RBxx

Cat6 FTP Cable\_dlg1





# Cables

## APAC

### CL-MNC Copper LAN cables Category 6A

Actassi Cat 6A 4-pair cable is a high quality product delivering excellent network performance when using in conjunction with other Actassi Cat 6A products.

The Cat 6A cable consists of 4 pairs of solid insulated copper 23 AWG. The cable provides a significant margin above the Category 6A Alien Crosstalk (ANEXT) requirement of TIA/EIA 568-C.2 Category 6A and ISO/IEC 11801 Class Ea.

#### CL-MNC Cat 6<sub>A</sub> U/UTP

##### Specifications

- 23 AWG. 4 pairs. Centre filler to maintain pair twisting.

##### Performances

- Complies with TIA/EIA-568-C.2 Category 6A and ISO/IEC 11801 Class Ea standards.

NEXT	Guaranteed	Standard IEC
500 MHz	35.8 dB	≥ 34.8 dB

##### Use

- In horizontal cabling situations
- Support 10G Base-T, 1000 Base-T and 1000 Base-TX LANs and broadband video applications.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	44.3 kg/km	8.5 mm	PVC - CM	305 m	<b>ACTTG4P6AUCM3RBU</b>
			PVC - CMR	305 m	<b>ACTTG4P6AU CR3RBU</b>
			LSZH	305 m	<b>ACTTG4P6AULS3RWE</b>

#### CL-MNC Cat 6<sub>A</sub> F/UTP

##### Specifications

- 23 AWG. 4 pairs. Centre filler to maintain pair twisting.

##### Performances

- Complies with TIA/EIA-568-C.2 Category 6A and ISO/IEC 11801 Class Ea standards.

NEXT	Guaranteed	Standard IEC
500 MHz	35.8 dB	≥ 34.8 dB

##### Use

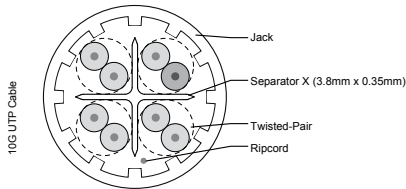
- In horizontal cabling situations
- Support 10G Base-T, 1000 Base-T and 1000 Base-TX LANs and broadband video applications.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	44.3 kg/km	7.3 mm	PVC - CM	305 m	<b>ACTTG4P6ASCM3RBU</b>
			PVC - CMR	305 m	<b>ACTTG4P6ASCR3RBU</b>
			LSZH	305 m	<b>ACTTG4P6ASLS3RWE</b>



P7190170

ACTTG4P6ASLS3RBU

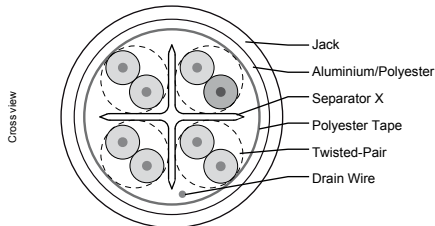


10G U/UTP Cable



ACCTG4P6ASCM3RBU

ACTTG4P6ASLS3RBU



Cross view





# Cables

## APAC

### CL-MF<sup>2</sup> Copper LAN cables - Category 6

Actassi CL-MF<sup>2</sup> Category 6 U/UTP cable is a superior product designed for use in horizontal cabling, delivering the best network performance when used in conjunction with other Actassi products.

The Actassi CL-MF<sup>2</sup> cable consists of 4 pairs of solid and insulated copper 23 AWG (0.58 mm). The patent pending CL-MF<sup>2</sup> Construction separator has features of both firm and flexibility, a superior design for heavy strain relief.

The Actassi CL-MF<sup>2</sup> Category 6 U/UTP cable provides a significant margin above the minimum Category 6 NEXT requirement of TIA/EIA 568C.2 and ISO/IEC 11801.

#### Product features

- Patent-pending design CL-MF<sup>2</sup> Construction separator form virtual shielded compartments to ensure all four pairs of wires are being properly partitioned off and in good separation for optimum NEXT performance
- The nonmetallic will not introduce additional electrical ground issue
- 23 AWG conductors for improved insertion loss performance
- UL listed CM fire rated.

#### Customer benefits

- Improvement in return loss, maximizing cable balance and minimizing echo to enhance overall channel performance
- Minimize additional workload for cable installation, termination, and re-work
- Longer product life and higher product reliability.

#### CL-MF<sup>2</sup> Cat 6 U/UTP

##### Specifications

- 23 AWG, 4 pairs. Centre filler to maintain pair twisting.

##### Performances

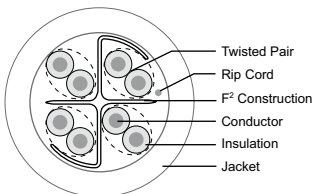
- Compliant to: ISO/IEC 11801 Class E, IEC 60754 part 2 (non-halogen), IEC 61034 part 2 (smoke emission), IEC 60332-1 (flammability and Fire Retardant).

Cable



2D4P6T2PS3RBU

Cat 6 FTP Cable\_diag [Converted]



NEXT	Guaranteed	Standard IEC
250 MHz	41.3 dB	≥ 39.3 dB

##### Use

- In horizontal cabling situations
- High-bandwidth applications: Gigabit ethernet, broadband video, 3D imaging and other multimedia applications.

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
4 pair cable	53.5 kg/km	6.5 mm	PVC - CM	305 m	2D4P6T2PS3Rxx

Where **xx** denotes the color of jacket: BU = blue, GY = grey.

P402280



### Tool

#### Description

##### Cable stripper

- Allow to strip the cable sheath
- Adapted to all Actassi cables (CL-C, CL-MNC and CL-MX) to fit all cable diameters and sheath thicknesses
- Recommended tool for fast preparation and installation of Actassi CL-MX cables.

Type	EAN code	Ref. No
Cable stripper	3606480186127	VDIR580021

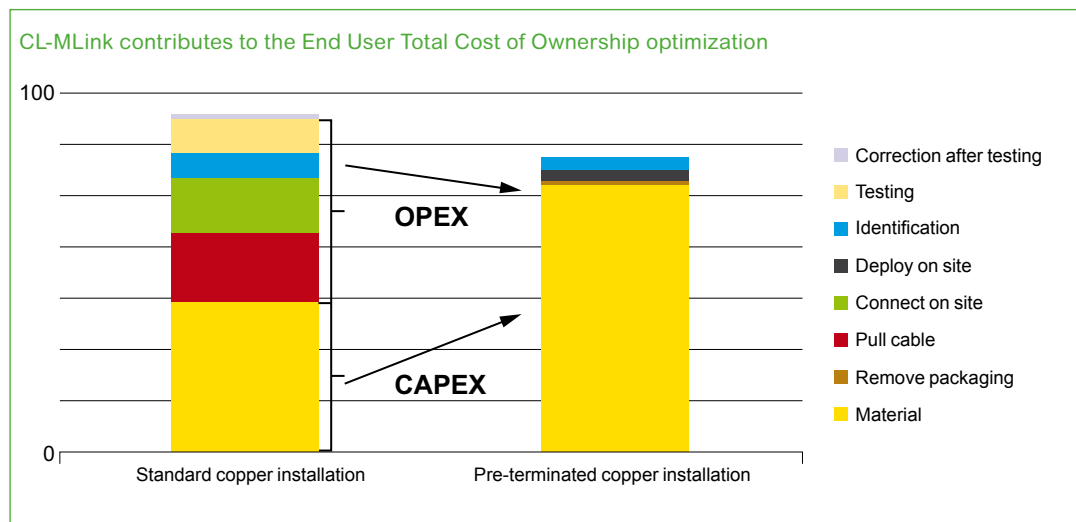




## Actassi pre-terminated copper bundle solutions

One product range to fit every need

Actassi standard offer	Actassi CL-MLink cables
<ul style="list-style-type: none"> <li>■ In buildings: from technical room to workspace</li> <li>■ In data centers: from rack to rack</li> </ul>	
<b>Components assembled by customer</b> <ul style="list-style-type: none"> <li>■ LAN copper cables</li> <li>■ RJ45 Connectors</li> <li>■ CP-Links</li> <li>■ Copper patch cords</li> </ul>	<b>Schneider Electric pre-assembled components for customer</b> <ul style="list-style-type: none"> <li><b>Female-Female:</b> <ul style="list-style-type: none"> <li>■ S-One to S-One</li> <li>■ S-One DPM to S-One DPM</li> </ul> </li> <li><b>Female-Male:</b> <ul style="list-style-type: none"> <li>■ S-One to RJ45plug</li> <li>■ S-One DPM to RJ45 plug</li> </ul> </li> <li><b>Male-Male:</b> <ul style="list-style-type: none"> <li>■ RJ45 plug to RJ45 plug</li> </ul> </li> </ul>
<b>Cable cut on site</b>	<b>Pre-assembled with custom cable length</b>



CL-MLink contributes to OPEX reduction

# Answering high reliability and speed deployment needs

Actassi CL-MLink is Schneider Electric's new solution for buildings and data centre applications. It delivers the features and functionality necessary to meet the unique challenges and requirements of these demanding environments.



## High security for your network

- > Complete plug & play systems
- > Expertise: 100 % pre-assembled and 100 % pre-tested by Schneider Electric
- > 10G performance
- > Pre-term links with Schneider Electric warranty
- > Available in Cat 6 and Cat 6A, shielded and unshielded

## Costs and time savings

- > Actassi CL-MLink's target is zero downtime. The pre-assembled cable with Actassi S-One connectors enable a speedy deployment and reduce labor costs by saving on installation time compared to standard copper installations
- > Increase overall efficiency and avoid late penalties at your construction site
- > Save on installation time with custom labels on each port that identify the building, floor, cabinet or office number

## Scalable and adaptable

- > Increase flexibility in network offices
- > Pay as you grow
- > Scalability with consolidation points
- > Custom cable lengths adjust to end user needs
- > Delivered in step with site evolution

## Time secured for installation on site

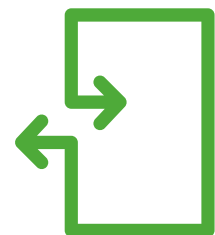
- > 8x faster installation compared to standard copper offer. Save connection time on site
- > Delivery secured
- > Links offer fast and easy deployment that reduces human intervention on site

## An end-to-end network installation

- > Benefit from partnering with one supplier. Access the larger Schneider Electric offer for BMS, UPS, Cooling, CMS
- > Solutions for a broad range of projects and applications
- > Digital offer selection guides

## Energy efficient thanks to "Green environment"

- > Packaging reduced by 90 %
- > Custom cable lengths reduce waste



Plug & Play copper bundle solution





Pre-terminated bundles are manufactured according to your requirements with the components pictured below. Configurations are introduced on the following pages. To select the reference and links, use the configurator available at:

<http://www.schneider-electric.com/en/product-range-selector/61003-actassi-foreurope/?filter=business-5-installation-systemsand-control&parent-category-id=3800>

## > Connectors

Type	UTP	UTP DPM	STP	STP DPM
Category	Cat 6	Cat 6	Cat 6	Cat 6
	P121212	P124007	P121215	P124010

## > Cables

Type	U/UTP	F/UTP	S/FTP	S/FTP
Category	Cat 6	Cat 6	Cat 6 / Cat 6A	Cat 6A
AWG	23	24	26	23
Color	Green	Green	White	Blue
Jacket	LSZH	LSZH	LSFRZH	LSFRZH
	P110559	P120018	P123554	P120021

## > Aggregation




Choose between two aggregations:






- With rapstrap for buildings and data centers applications.
- Rapstrap and a black plastic braided sheath at each female extremity for data center applications.



	Rapstrap + Black plastic braided sheath	Rapstrap
	P146892 + P146894	P146894
Female-Female	P146872	P146892
Female-Male	P146873	P146893
Male-Male		P146874

The black plastic braided sheath is a reliable aggregation for data center which offers protection for your female connectors.


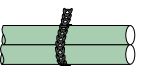
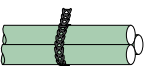
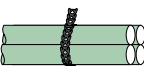
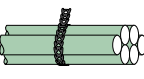
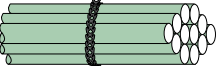
## > Configurations

Female - Female	Female - Male	Male - Male
 <p>P146881</p>	 <p>P146880</p>	 <p>P146879</p>

UTP	UTP DPM	STP	STP DPM	UTP / STP
Cat 6A	Cat 6A	Cat 6A	Cat 6A	Cat 6 / Cat 6A
 <p>P121213</p>	 <p>P124006</p>	 <p>P121216</p>	 <p>P124009</p>	 <p>P146869</p>

U/UTP	F/FTP
Cat 6A	Cat 6A
23	23
Blue	Blue
LSZH	LSZH
 <p>P130057</p>	 <p>P120021</p>

## > Links

1 cable	2 cables	3 cables	4 cables	6 cables	12 cables
 <p>P122481</p>	 <p>P122482</p>	 <p>P122483</p>	 <p>P146878</p>	 <p>P122484</p>	 <p>P122485</p>



# Pre-terminated solution

## CL-MLink

### EMEAS Bundles



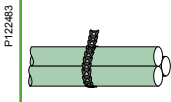
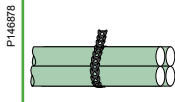
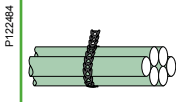
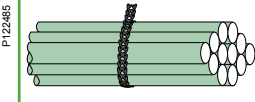
Bundle type		Connector type		Cable type	Number of link	
		P121215 	P120023 	P122481 	P122482 	
<b>Female / Female</b>						
P146882 	<b>Cat 6</b>	UTP	S-One connector	U/UTP	<b>VDITBA01A</b>	
			S-One DPM connector	U/UTP	<b>VDITBB01B</b>	
		STP	S-One connector	F/UTP	<b>VDITAA02A</b>	
			S-One DPM connector	F/UTP	<b>VDITAB02B</b>	
			S-One connector	S/FTP	<b>VDITAA03A</b>	
			S-One DPM connector	S/FTP	<b>VDITAB03B</b>	
	<b>Cat 6A</b>	UTP	S-One connector	U/UTP	<b>VDITDA05A</b>	
			S-One DPM connector	U/UTP	<b>VDITDB05B</b>	
		STP	S-One connector	F/FTP	<b>VDITCA07A</b>	
			S-One DPM connector	F/FTP	<b>VDITCB07B</b>	
			S-One connector	S/FTP AWG 26	<b>VDITCA03A</b>	
			S-One connector	S/FTP	<b>VDITCA04A</b>	
			S-One DPM connector	S/FTP AWG 26	<b>VDITCB03B</b>	
			S-One DPM connector	S/FTP	<b>VDITCB04B</b>	
<b>Female / Male</b>						
P146883 	<b>Cat 6</b>	UTP	S-One connector / RJ45 plug	U/UTP	<b>VDITBA01D</b>	
			S-One DPM connector / RJ45 plug	U/UTP	<b>VDITBB01D</b>	
		STP	S-One connector / RJ45 plug	S/FTP AWG 26	<b>VDITAA03D</b>	
			S-One DPM connector / RJ45 plug	S/FTP AWG 26	<b>VDITAB03D</b>	
	<b>Cat 6A</b>	STP	S-One connector / RJ45 plug	S/FTP AWG 26	<b>VDITCA03D</b>	
			S-One DPM connector / RJ45 plug	S/FTP AWG 26	<b>VDITCB03D</b>	
<b>Male / Male</b>						
P148774 	<b>Cat 6</b>	UTP	RJ45 plug	U/UTP	<b>VDITBD01D</b>	
		STP	RJ45 plug	S/FTP AWG 26	<b>VDITAD03D</b>	
	<b>Cat 6A</b>	STP	RJ45 plug	S/FTP AWG 26	<b>VDITCD03D</b>	



Use your phone and select the gen code in order to build your CL-MLink reference with the configurations table above in our pre-terminated offers at:

<http://www.schneider-electric.com/en/product-range-selector/61003-actassi-foreurope/?>

Flash the code and configure your CL-MLink product in our pre-terminated offers.

				Performance	Available length
<b>3</b>	<b>4</b>	<b>6</b>	<b>12</b>		
					
				ISO/IEC 11801 Class E PL2	10 to 90 m
				ISO/IEC 11801 Class E PL2	10 to 90 m
				ISO/IEC 11801 Class E PL2	10 to 90 m
				ISO/IEC 11801 Class E PL2	10 to 90 m
				ISO/IEC 11801 Class E PL2	7 to 60 m
				ISO/IEC 11801 Class E PL2	7 to 60 m
				ISO/IEC 11801 Class Ea PL2	10 to 90 m
				ISO/IEC 11801 Class Ea PL2	10 to 90 m
				ISO/IEC 11801 Class Ea PL2	10 to 90 m
				ISO/IEC 11801 Class Ea PL2	10 to 90 m
				ISO/IEC 11801 Class Ea PL2	7 to 60 m
				ISO/IEC 11801 Class Ea PL2	10 to 90 m
				ISO/IEC 11801 Class Ea PL2	7 to 60 m
				ISO/IEC 11801 Class Ea PL2	10 to 90 m
				ISO/IEC 11801 Class E PL3	5 to 40 m
				ISO/IEC 11801 Class E PL3	5 to 40 m
				ISO/IEC 11801 Class E PL3	5 to 40 m
				ISO/IEC 11801 Class E PL3	5 to 40 m
				ISO/IEC 11801 Class Ea PL3	5 to 40 m
				ISO/IEC 11801 Class Ea PL3	5 to 40 m
				ISO/IEC 11801 Patch Cord Cat 6	1 to 60 m
				ISO/IEC 11801 Patch Cord Cat 6	1 to 60 m
				ISO/IEC 11801 Patch Cord Cat 6A	1 to 60 m



### > Packaging

Your bundles will be delivered with a carefully closed carton end protection for connectors.





# Pre-terminated solution

## CL-MLink

APAC

Bundles - Category 6 U/UTP

Actassi pre-terminated copper trunk cable provides simple plug-and-play solution for high density network.

With the flexibility for customization, users can choose their own configuration with different length, connector type. Optional angled jack connector to aid for high density environment.

In addition, 100 % factory tested copper assemblies assure transmission performance and reduce installation time caused by field termination.

### Product features

- Double ended with 6-connector construction
- 100 % factory tested
- Individual serial number.

### Customer benefits

- Fast installation by plug & play
- Reliable solution to supports Gigabit ethernet application
- Increase visibility of back tracking.

Description	Ref. No
<b>Jack-to-jack</b>	
Pre-terminated Category 6 UTP, jack-to-jack, 6 pieces bundled, CM, blue	<b>ACTPTCJJ6UCMxxBU</b>
Pre-terminated Category 6 UTP, jack-to-jack, 6 pieces bundled, LSZH, white	<b>ACTPTCJJ6ULSxxWE</b>
<b>Anglejack-to-anglejack</b>	
Pre-terminated Category 6 UTP, anglejack-to-anglejack, 6 pieces bundled, CM, blue	<b>ACTPTCAA6UCMxxBU</b>
Pre-terminated Category 6 UTP, anglejack-to-anglejack, 6 pieces bundled, LSZH, white	<b>ACTPTCAA6ULSxxWE</b>

Where **xx** denotes the cable length from 02 m to 90 m.



# Pre-terminated solution CL-MLink

APAC

Bundles - Category 6A F/UTP

Actassi pre-terminated copper trunk cable provides simple plug-and-play solution for high density network.

With the flexibility for customization, users can choose their own configuration with different length, connector type. Optional angled jack to angled jack connector to aid high density environment application.

In addition, 100 % factory tested copper assemblies assure transmission performance and reduce installation time caused by field termination.

### Product features

- Double ended with 6-connector construction
- 100 % factory tested
- Individual serial number.

### Customer benefits

- Fast installation by plug & play
- Reliable solution to supports 10 Gigabit ethernet application
- Increase visibility of back tracking.



Description	Ref. No
<b>Jack-to-jack</b>	
Pre-terminated Category 6A F/UTP, jack-to-jack, 6 pieces bundled, CM, blue	<b>ACTPTCJJ6ASCMxxBU</b>
Pre-terminated Category 6A F/UTP, jack-to-jack, 6 pieces bundled, LSZH, white	<b>ACTPTCJJ6ASLSxxWE</b>
<b>Anglejack-to-anglejack</b>	
Pre-terminated Category 6A F/UTP, anglejack-to-anglejack, 6 pieces bundled, CM, blue	<b>ACTPTCAA6ASCMxxBU</b>
Pre-terminated Category 6A F/UTP, anglejack-to-anglejack, 6 pieces bundled, LSZH, white	<b>ACTPTCAA6ASLSxxWE</b>

Where **xx** denotes the cable length from 02 m to 90 m.



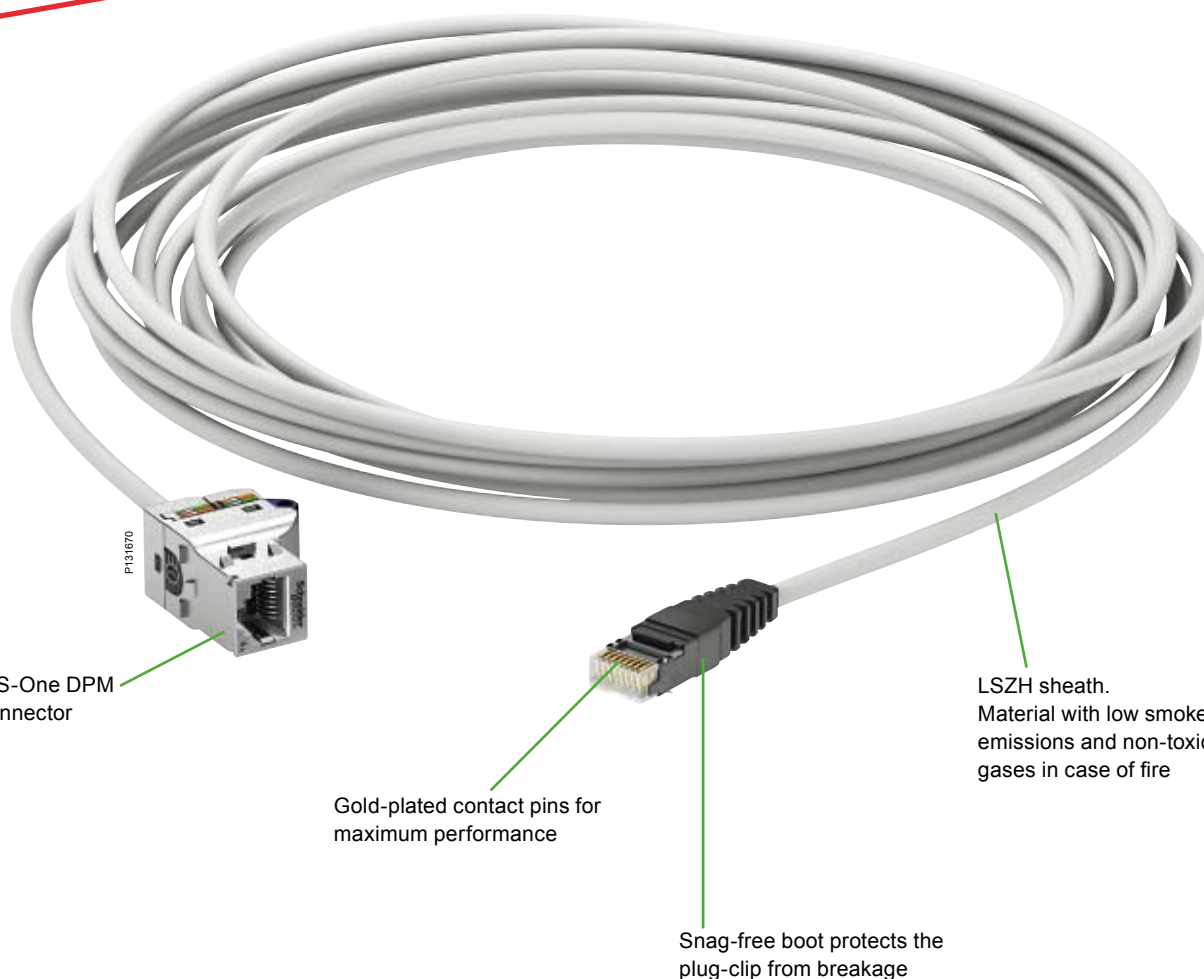
# Actassi consolidation point links

CP-links are used when it is needed to provide a high quality level and a high transmission link performance. The cable is pre-assembled with the Actassi S-One connector. No connection to do on site, just plug & play, which reduces errors and maintenance.

## Applications

Consolidation point links (called "CP-links") are aimed for new buildings, big refurbish and critical installations within technical and server rooms, either in false floor and false ceiling areas.

This page must be checked by each country. Should contain some regional offer.



## Specifications

- CP link Cat 5e, 6 and 6<sub>A</sub> are pre-assembled with the following components:
  - S-One connector Cat 6<sub>A</sub>
  - cable Cat 5e U/UTP and F/UTP
  - cable Cat 6 U/UTP and S/FTP
  - cable Cat 6<sub>A</sub> S/FTP (white colour)
  - RJ45 Plug
- High performance: Cat 6<sub>A</sub> for copper systems, standard & system warranty
- Compliant with: ISO/IEC 11801: 2011 Ed2.2, EN 50173 Ed.3, EIA/TIA 568-C.2, IEC 60603-7, IEC 61156-5
- Full latest standards Delta certified - EN 50173 Ed.3., EIA/TIA 568 - C.2.

## Benefits

- Plug & play: 100 % pre-assembled and pre-tested link
- Available in 3 catalogue lengths: 5 m, 10 m, 15 m
- Quick and easy installation
- LSZH cable use
- Full compatibility for installations with Schneider Electric poles and posts.



# CP-Link and patch cords

EMEAS

Copper LAN cables - Category 5e, 6 and 6A

## Application

Ensures and gives transmission of data networks.

P130750



CP Cabling link CL-C Cat 5e			
Type	Colour of sheath	Length (m)	Ref. No
U/UTP Cat 5e LSZH DPM	Green	5	VDICP1500501
		10	VDICP1501001
		15	VDICP1501501
F/UTP Cat 5e LSZH DPM	Green	5	VDICP3500501
		10	VDICP3501001
		15	VDICP3501501

P130750



CP Cabling link CL-MNC Cat 6			
Type	Colour of sheath	Length (m)	Ref. No
U/UTP Cat 6 LSZH DPM	Green	5	VDICP1600501
		10	VDICP1601001
		15	VDICP1601501
S/FTP Cat 6 LSZH DPM	White	5	VDICP4600502
		10	VDICP4601002
		15	VDICP4601502

P131670



P131670



CP Cabling link CL-MNC 6 <sub>A</sub> CP Cabling S/FTP Cat 6 <sub>A</sub>			
Type	Colour of sheath	Length (m)	Ref. No
LSZH cable with DPM connector	White	5	VDICP4X00501
		10	VDICP4X01001
		15	VDICP4X01501



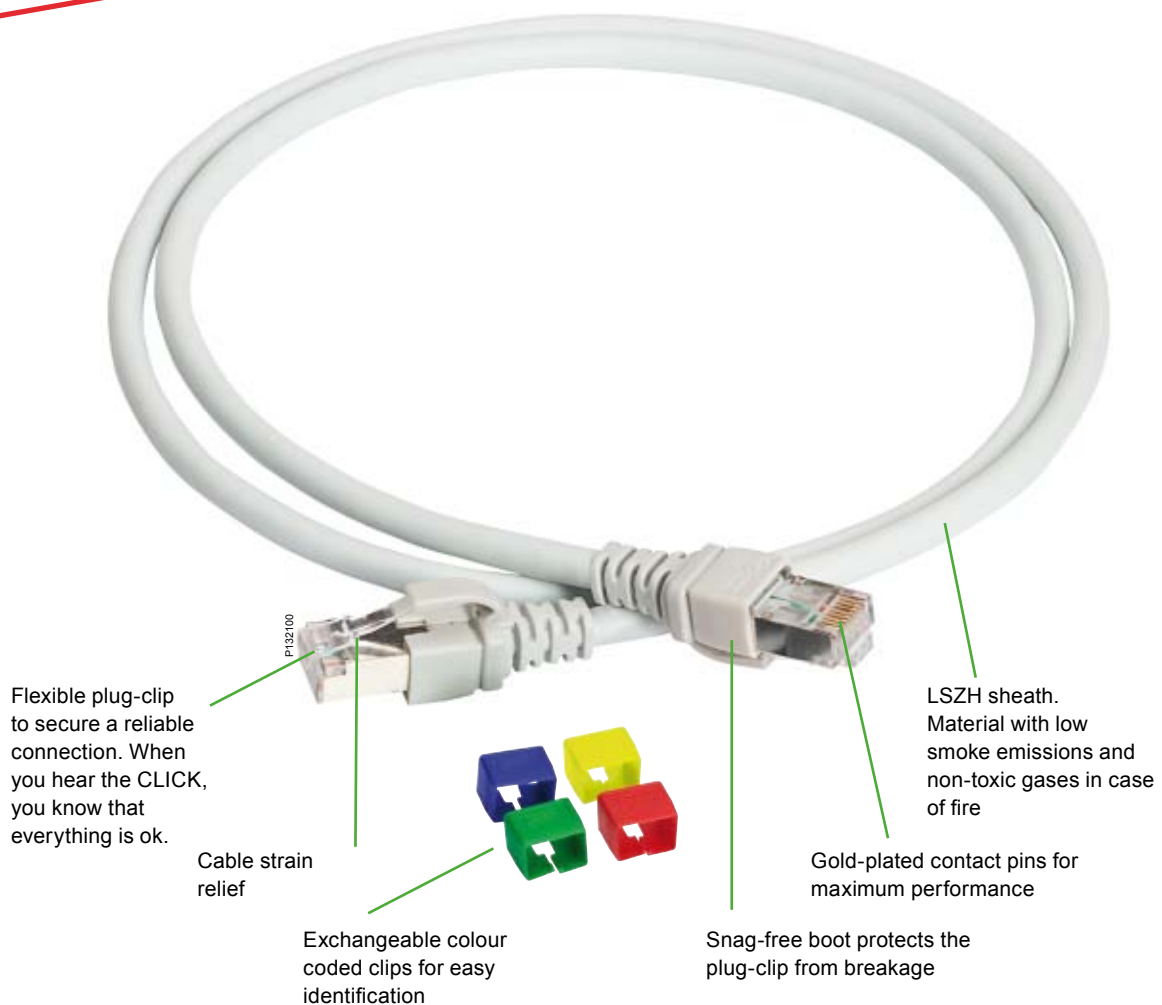
# Actassi copper patch cords

**Applications** Actassi copper patch cords ensure a reliable transmission in data networks.

**Performances** They are available in several lengths, from Cat 5e to Cat 6<sub>A</sub> performances, covering both shielded and unshielded needs.

All patch cords are compliant with ISO/IEC 11801: 2011 Ed2.2. They are all Delta certified and also compliant to EN 50173ed.3, EIA/TIA 568 - C.2, IEC 61935-2. Actassi copper patchcords provide safe plug & play with a high quality thanks to the performances, the LSZH sheath and the warranties.

This page must be checked by each country. Should contain some regional offer.



## Specifications

- Low Smoke Zero Halogen (LSZH), 4 pairs, 100 Ohms, pre-wired and tested in factory, with light grey colour design (RAL 7035)
- Connectors with grey overmoulding
- Snag-free connection to protect the plug-clip from breakage
- Network identification thanks to coloured clips
- Covers all needs for shielded and unshielded versions
- Individual packaging.



#### CL-MNC Patch cord U/UTP Cat 5e

**Specifications**

- 155 MHz, outer sheath LSZH.

Type	Colour of sheath	Length (m)	Ref. No
4 pairs	Grey	0.5	VDIP181546005
		1	VDIP181546010
		2	VDIP181546020
		3	VDIP181546030
		5	VDIP181546050
		10	VDIP181546100

P131531



#### CL-MNC Patch cord F/UTP Cat 5e

**Specifications**

- 155 MHz, outer sheath LSZH.

Type	Colour of sheath	Length (m)	Ref. No
4 pairs	Grey	0.5	VDIP184546005
		1	VDIP184546010
		2	VDIP184546020
		3	VDIP184546030
		5	VDIP184546050
		10	VDIP184546100

P131531



#### CL-MNC Patch cord U/UTP Cat 6

**Specifications**

- 250 MHz, outer sheath LSZH.

Type	Colour of sheath	Length (m)	Ref. No
4 pairs	Grey	0.5	VDIP181646005
		1	VDIP181646010
		2	VDIP181646020
		3	VDIP181646030
		5	VDIP181646050
		10	VDIP181646100

P131531



#### CL-MNC Patch cord F/UTP Cat 6

**Specifications**

- 250 MHz, outer sheath LSZH.

Type	Colour of sheath	Length (m)	Ref. No
4 pairs	Grey	0.5	VDIP184646005
		1	VDIP184646010
		2	VDIP184646020
		3	VDIP184646030
		5	VDIP184646050
		10	VDIP184646100

P131531





EMEAS

CL-MNC Patch cord U/UTP Cat 6<sub>A</sub>

## Specifications

- 550 MHz, outer sheath LSZH.

Type	Colour of sheath	Length (m)	Ref. No
4 pairs	Grey	1	VDIP181X46010
		2	VDIP181X46020
		3	VDIP181X46030
		5	VDIP181X46050

P131531

CL-MNC Patch cord S/FTP Cat 6<sub>A</sub>

## Specifications

- 550 MHz, outer sheath LSZH.

Type	Colour of sheath	Length (m)	Ref. No
4 pairs	Grey	1	VDIP185X46010
		2	VDIP185X46020
		3	VDIP185X46030
		5	VDIP185X46050
		10	VDIP185X46100

P131531





# CP-Link and patch cords

## APAC

### CL-MNC Copper - Category 5e, 6 and 6A



Cat5e UTP patchCord



ACTPC5EUBCMxxyy  
ACTPC5EUBLSxxyy

#### CL-MNC Patch cord U/UTP Cat 5e

##### Specifications

- Outer sheath PVC or LSZH.

Type	Colour of sheath	Sheath	Ref. No
4 pairs	BK/BU/GR/GY/RD/ WE/YL	PVC - CM	ACTPC5EUBCMxxyy
		LSZH	ACTPC5EUBLSxxyy

Cat5e FTP patchCord



ACTPC5ESBCMxxyy  
ACTPC5ESBLSxxyy

#### CL-MNC Patch cord F/UTP Cat 5e

##### Specifications

- Outer sheath PVC or LSZH.

Type	Colour of sheath	Sheath	Ref. No
4 pairs	BK/BU/GR/GY/RD/ WE/YL	PVC - CM	ACTPC5ESBCMxxyy
		LSZH	ACTPC5ESBLSxxyy

Cat 6 UTP patchCord



ACTPC6UBCMxxyy  
ACTPC6UBLSxxyy

#### CL-MNC Patch cord U/UTP Cat 6

##### Specifications

- 300 MHz, outer sheath PVC or LSZH.

Type	Colour of sheath	Sheath	Ref. No
4 pairs	BK/BU/GR/GY/RD/ WE/YL	PVC - CM	ACTPC6UBCMxxyy
		LSZH	ACTPC6UBLSxxyy

Cat 6 FTP patchCord



ACTPC6SBCMxxyy  
ACTPC6SBLsxyy

#### CL-MNC Patch cord FTP Cat 6

##### Specifications

- 250 MHz, outer sheath PVC or LSZH.

Type	Colour of sheath	Sheath	Ref. No
4 pairs	BK/BU/GR/GY/RD/ WE/YL	PVC - CM	ACTPC6SBCMxxyy
		LSZH	ACTPC6SBLsxyy

Where **xx** denotes the length of patch cords (w): 10 = 1 m, 20 = 2 m, 30 = 3 m, 50 = 5 m, 100 = 10 m.

Where **yy** denotes the color of the patch cord (yy): BK = black, BU = blue, GR = green, GY = grey, RD = red, WE = white, YL = yellow.

Note: customized color and length is available upon request with additional lead time and MOQ requirement.

ACTPT6ASxxyy10zz



ACTPT6Axxy10zz

#### CL-MNC Patch cord F/UTP Cat 6A

##### Specifications

- 500 MHz, outer sheath PVC or LSZH.

Type	Colour of sheath	Length (m)	Ref. No
4 pairs	GY/BU/WE	1	ACTPTG6ASxxy10zz
		2	ACTPTG6ASxxy20zz
		3	ACTPTG6ASxxy30zz
		5	ACTPTG6ASxxy50zz

Where **x** denotes wiring sequence: A - 568A, B - 568B

Where **yy** denotes Jacket material: CM - PVC, LS - LSZH

Where **zz** denotes colour: GY - Grey, BU - Blue, WE - White



# CP-Link and patch cords

## APAC

### CL-MF<sup>2</sup> Copper - Category 6

The CL-MF<sup>2</sup> patch cord is constructed with the patent pending CL-MF<sup>2</sup> construction stranded cable and high quality RJ45 plugs, and is designed to operate up to 300 MHz. The product can operate successfully in a Category 6 environment with a higher margin in performance.

The RJ45 plugs are provided with an over mould boot to ensure pair integrity. The over mould boot ensures excellent strain relief and together with the insert, ensures that performance is stable when using the patch cord.

#### Customer benefits

- CL-MF<sup>2</sup> construction cable provides better performance in RL and NEXT
- Allow distinguish colour and numbering identifications
- Available in various lengths to assist with better cable management
- Fully moulded RJ45 plugs not only ensures pair integrity but also provides and enhanced strain relief, especially during installations or moves
- Money saving for keeping single color of patch cords
- Ease to install and flexible for connection
- Time saving for maintenance
- Tractability for critical services.

#### CL-MF<sup>2</sup> Patch cord U/UTP Cat 6

##### Specifications

- 300 MHz, outer sheath PVC
- CL-MF<sup>2</sup> labeling identification, equipped with 5 sets of changeable coloured channel caps and rings, up to 36 combinations, UL listed CM fire rated.

##### Performances

- Fully compliant to TIA/EIA 568C.2-1, Category 6 and ISO/IEC 11801 Class E standards.

Patch cord



RJ6T2/10PL

Type	Sheath	Length (m)	Ref. No
4 pairs	Grey	1	RJ6T2/10PL
		2	RJ6T2/20PL
		3	RJ6T2/30PL
		4	RJ6T2/40PL
		5	RJ6T2/50PL

#### CL-MF<sup>2</sup> Secure Patch cord U/UTP Cat 6

##### Specifications

- Outer sheath PVC, comprised of two parts: unlock key and secure patch cord itself, deters unintended or unauthorized disconnection.

##### Performances

- Channel performance verified to TIA/EIA-568-C.2-1:2002, Category 6
- CM grade – comply with the UL flame exposure described in UL 1685
- RoHS compliant according to European directive 2002/95/EC.

##### Use

- Applications to protect mission networks such as data centres, finance, health care environments and government IT systems.

Type	End Secure	Length (m)	Ref. No
4 pairs	1-End secure	1	ACTPCC6UBCM1E10WE
		2	ACTPCC6UBCM1E20WE
	2-End secure	1	ACTPCC6UBCM2E10WE
		2	ACTPCC6UBCM2E20WE
		3	ACTPCC6UBCM2E30WE

##### Benefits

- Prevent loss caused by unauthorized plug-out situation in data critical environments, e.g. data centres, medical care, transportation
- Allow distinguish color and numbering identifications
- Available in various lengths to assist with better cable management.
- Fully moulded RJ45 plugs not only ensures pair integrity, but also provides an enhanced strain relief, especially during installations or moves.

Remarks: it is not recommended to apply the secure patch cord with laptops and shuttered wall-plates.

P7180158



ACTPCC6UBCM1E20WE

PI31532



Coloured clips			
Description	Packaging	Colour	Ref. No
Coloured clips	10	Blue	VDIP1811
		Yellow	VDIP1812
		Green	VDIP1813
		Red	VDIP1814

Only for patch cords with a reference VDIPxxxxxxx.

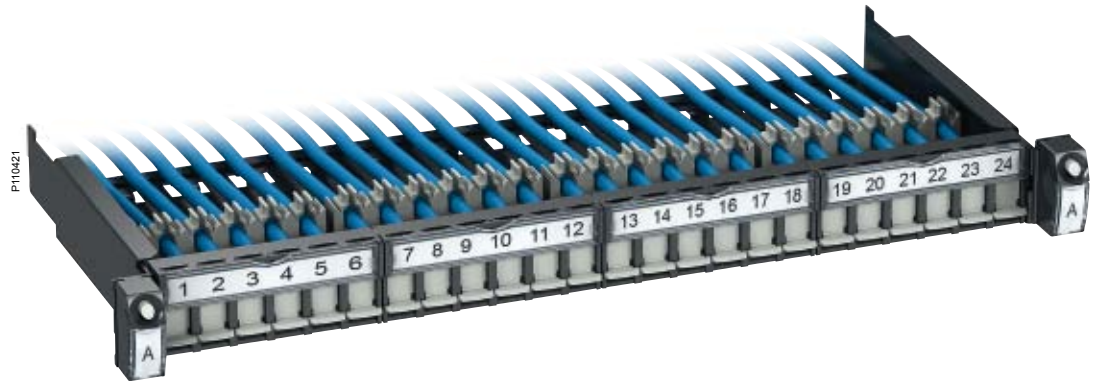


# Panel range with S-One, S-One DPM and S-110 Actassi data panels

The data panels contain a front configuration for 24 RJ45 connectors. All panels have the smart Quick Fix function. They are also available pre-equipped with connectors, shutters, label holders and a rear cable organizer. We try to make your life as easy as possible.

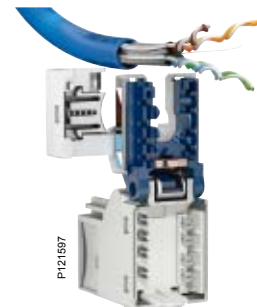


The data panel is available pre-equipped with the innovative S-One connectors.



## Sliding helps installation

Maintenance and extensions are smoothly performed with the help of the Quick Fix sliding function.



## Actassi S-One

The connectors are a one-piece design for very fast and reliable wiring. Actassi S-One exceeds component hardware certification for standards like ISO/IEC 11801: 2011 Ed2.2 for Cat 6<sub>A</sub>, ensuring optimized network performance.



**Cable management**  
Apart from the systems with colour codes, labels and numbers, the technical setup at the rear of the panel is designed to enhance order. Cables of various diameters are easily mounted and kept in place in specified slots.



**Rear position numbers**  
Keeping track of each RJ45 could sometimes be very hard. Actassi is changing all of that! The cable numbers at the rear correspond to those at the front, simplifying installation and maintenance from both sides of the rack.



**Automatic earthing**  
An automatic earthing for FTP/STP versions is integrated in the panel.



**Clear front marking**  
Each panel plate has an openable label holder. Print your own labels or use the included versions with pre-printed port numbers. Each shutter can also be colour coded for quick identification in both open and closed positions.

# Actassi flat high-density panels

The new Actassi 19" flat data panel with connectors placed at an angle gives a new dimension to high density – the panels can be mounted directly on top of each other, with no need of intermediate guiding panels. They are available empty without connectors or equipped with Cat 6<sub>A</sub> STP connectors.



**Quick Fix function**  
The panels are equipped with a Quick Fix function for a fast installation.



The flat data panel contain a configuration for 24 RJ45 connectors with a clear marking at both front and rear. The panels are easy to install thanks to the front access and the Quick Fix function. Use the vertical side rings for vertical management of the patch cords. Other features are the removable cable manager at the rear, the panel identification label and the hinged central label holder.



**Vertical side rings**  
Vertical side rings and connectors at an angle gives a true high density installation. The overhead patching frame saves space in the enclosure below.



**Connectors at an angle**  
Connectors placed at an angle combined with front access simplifies installation work.



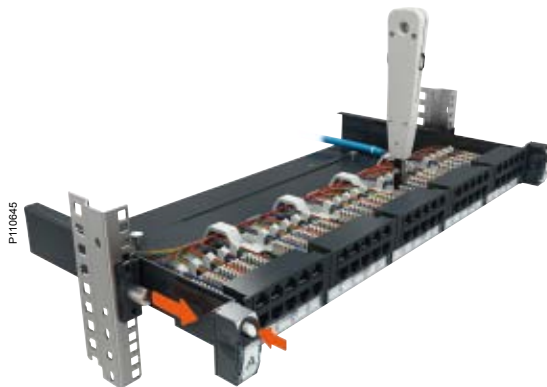
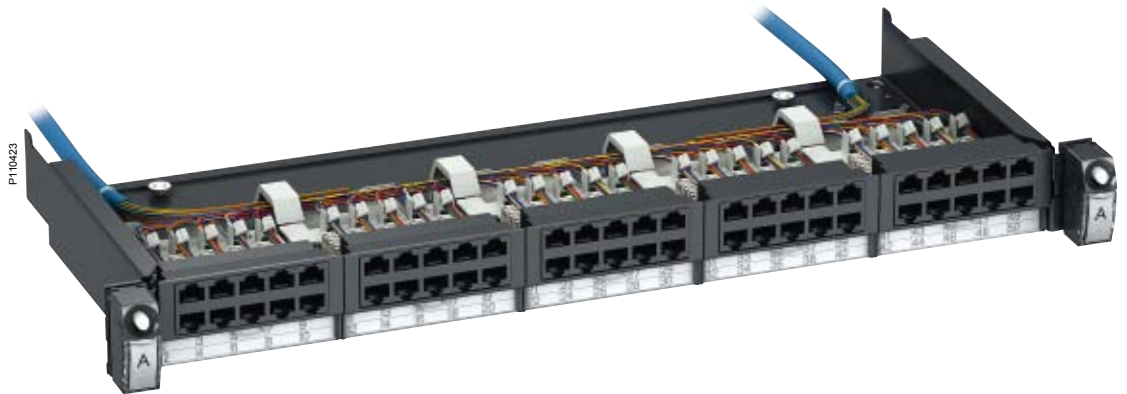
**Clear front marking**  
Large identification labels for easy readability from ground level.



**Cable management**  
The cable manager can be folded or removed. Hooks for cable ties for extra safety.

# Actassi telecom panels

The smart and high capacity 19" telecom patch panel provides up to 50 connections. Very easy fixation of the panel thanks to the Quick Fix function with guiding fingers and pre-mounted screws. The label holders are easily opened without using any tool.



## Exceptional robustness

The sliding function does not deteriorate the stability. As a proof you can use the punch down tool for LSA contacts with the panel in a sliding-out position. You don't need to remove it from the rack first!



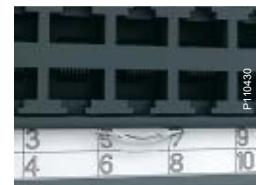
**Punch down tool**  
This is the punch down tool for LSA contacts, to be used for telecom cable connections.



**Cable identification**  
No need trying to figure out which cable goes where. The cable identification is very clear on the clever fixing guides.



**Safe and easy earthing**  
The panel has two earthing connection points for both shielded cables and for the rack, easily accessible at the rear.



**Clear marking**  
The telecom panel comes with pre-printed labels and openable label holders.

# Power panels and accessories

The Actassi system also includes a range of power panels and smart accessories for improved cable management. The power panels are available in several versions, for example with a protected light switch and overvoltage protection. The innovative patchcords guiding panel is equipped with four openable rings, managing up to 48 cords.



## Power panel

With Quick Fix function and 3 m of power cord. Several versions, for example with protected circuit breaker/earth leakage.



## Brush and blank panel

Brush guiding panel. Blank panel instead of an empty gap in the rack.



## Guiding panels for patch cords

The 1U panel manages 24 cords, and 2U panel 48 cords. Easily opened but still safe, since a clever device prevents cords from falling out. Also possible to pull out only one cord if needed.



## Side rings for rack 800x800

Rings for vertical management of up to 48 patch cords, attached to each side of the guiding panel (or any panel with Quick Fix). Available for 1U and 2U.



## Vertical rings for rack 600x600

For the 600x600 racks, use the smaller tie up devices to keep your installations in neat order.





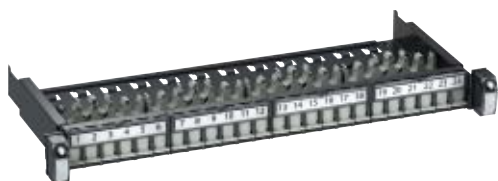
### Empty sliding panel for S-One connectors 1U 24 ports

- Empty sliding 19" copper panel (without connectors)
- 1U height
- 24 RJ45 ports
- 1 Quick Fix function on both sides to allow a simple, quick fixing position and sliding feature
- Available in two versions:
  - evolution: panels equipped with 24 shutters in light grey, 4 label holders, and one cable manager at the rear
  - basic: panels without shutters, label holders, cable manager
- Metal sheet: thickness 1.2 mm. Dark grey RAL 7016
- Plastic parts in PA66 GF20 or PA6
- Simple clicking connectors for mounting
- Automatic earthing with the pre-equipped bus bar for FTP/STP versions.

**Evolution version: pre-equipped with 24 light grey shutters, 4 label holders, 1 rear cable organizer**

Description	Ref. No
Empty panel 1U UTP 24 ports	<b>VDIG112241U</b>
Empty panel 1U FTP/STP 24 ports	<b>VDIG112241F</b>

P111249



**Basic version: without label holders and cable organizer**

Description	Ref. No
Empty panel 1U UTP 24 ports	<b>VDIG012241U</b>

P111250



P111251



Empty panel 1U FTP/STP 24 ports	<b>VDIG012241F</b>
---------------------------------	--------------------



### Equipped sliding panel with S-One connectors 1U 24 ports

- Equipped sliding 19" copper panel (with connectors, not mounted)
- 1U height
- 24 RJ45 ports
- 1 Quick Fix function on both sides to allow a simple, quick fixing position and sliding feature
- Available in two versions:
  - evolution: panels equipped with 24 shutters in light grey, 4 label holders, and one cable manager at the rear
  - basic: panels without shutters, label holders, cable manager
- Metal sheet: thickness 1.2 mm. Dark grey RAL 7016
- Plastic parts in PA66 GF20 or PA6
- Simple clicking connectors for mounting
- Automatic earthing with the pre-equipped bus bar for FTP/STP versions.

**Evolution version: pre-equipped with 24 RJ45 S-One connectors (not mounted) and 24 light grey shutters, 4 label holders, 1 rear cable organizer**

Description	Ref. No
<b>Category 5e</b>	
Equipped panel 1U with 24 RJ45 Cat 5e UTP	<b>VDIG118241U50</b>
Equipped panel 1U with 24 RJ45 Cat 5e FTP	<b>VDIG118241F50</b>
<b>Category 6</b>	
Equipped panel 1U with 24 RJ45 Cat 6 UTP	<b>VDIG118241U60</b>
Equipped panel 1U with 24 RJ45 Cat 6 STP	<b>VDIG118241B60</b>
<b>Category 6A</b>	
Equipped panel 1U with 24 RJ45 Cat 6A UTP	<b>VDIG118241UX0</b>
Equipped panel 1U with 24 RJ45 Cat 6A STP	<b>VDIG118241BX0</b>

**Basic version Pre-equipped with 24 S-One connectors (not mounted). Without shutters, label holders and cable organizer.**

Description	Ref. No
<b>Category 5e</b>	
Equipped panel 1U with 24 RJ45 Cat 5e UTP	<b>VDIG018241U50</b>
Equipped panel 1U with 24 RJ45 Cat 5e FTP	<b>VDIG018241F50</b>
<b>Category 6</b>	
Equipped panel 1U with 24 RJ45 Cat 6 UTP	<b>VDIG018241U60</b>
Equipped panel 1U with 24 RJ45 Cat 6 STP	<b>VDIG018241B60</b>
<b>Category 6A</b>	
Equipped panel 1U with 24 RJ45 Cat 6A STP	<b>VDIG018241BX0</b>



### Empty sliding panel for S-One DPM connectors 1U 24 ports

- Empty sliding 19" copper panel (without connectors)
- 1U height
- 24 RJ45 ports
- 1 Quick Fix function on both sides to allow a simple, quick fixing position and sliding feature
- Panels equipped with 24 shutters in light grey, 4 label holders, and one cable manager at the rear
- Metal sheet: thickness 1.2 mm. Dark grey RAL 7016
- Plastic parts in PA66 GF20 or PA6
- Simple clicking connectors for mounting
- Automatic earthing with the pre-equipped bus bar.

**Evolution version: pre-equipped with 24 light grey shutters, 4 label holders, 1 rear cable organizer**

P111249



Description	Ref. No
Empty panel for DPM connectors 1U UTP ports	<b>VDIG111241U</b>
Empty panel for DPM connectors 1U FTP/STP 24 ports	<b>VDIG111241F</b>

P111250



**Basic version: without label holders and cable organizer**

Description	Ref. No
Empty panel for DPM connectors 1U FTP/STP 24 ports	<b>VDIG011241F</b>

### Equipped sliding panel with S-One DPM connectors 1U 24 ports

- Equipped sliding 19" copper panel (with connectors, not mounted)
- 1U height
- 24 RJ45 ports
- 1 Quick Fix function on both sides to allow a simple, quick fixing position and sliding feature
- Available in two versions:
  - evolution: panels equipped with 24 shutters in light grey, 4 label holders, and one cable manager at the rear
  - basic: panels without shutters, label holders, cable manager
- Metal sheet: thickness 1.2 mm. Dark grey RAL 7016
- Plastic parts in PA66 GF20 or PA6
- Simple clicking connectors for mounting
- Automatic earthing with the pre-equipped bus bar for FTP/STP versions.

**Evolution version: pre-equipped with 24 RJ45 S-One DPM connectors (not mounted) and 24 light grey shutters, 4 label holders, 1 rear cable organizer**

P111249



Description	Ref. No
<b>Category 6</b>	
Equipped panel 1U with 24 RJ45 Cat 6 UTP	<b>VDIG111241U60</b>
Equipped panel 1U with 24 RJ45 Cat 6 STP	<b>VDIG111241B60</b>

### Empty fixed panel for S-110 connectors 1U 24 ports (compatible with Cat 5e and Cat 6 not compatible for Cat 6<sub>A</sub>)

- Empty fixed 19" copper panel (without connectors)
- 1U height
- 24 RJ45 ports
- 1 Quick Fix function on both sides to allow a simple, quick fixing position
- Panels equipped with 4 label holders and a metal tray cable manager
- Metal sheet: thickness 1.2 mm. Dark grey RAL 7016
- Plastic parts in PA66 GF20 or PA6
- Simple clicking connectors for mounting.

Evolution version: pre-equipped with 4 label holders and a metal tray cable manager

P133075



Description	Ref. No
Empty panel 1U for S-110 connectors keystone UTP 24 ports	<b>VDIG113241U</b>

### Empty fixed panel with S-110 connectors, Cat 6<sub>A</sub> STP, 1U 24 ports

- Category 6<sub>A</sub> fully shielded keystone modular jacks
- Universal colour-coding for 568A and 568B standards
- Front labelling system
- Removable rear cable management bar is bundled with Velcro tapes
- Compatible with standard 19" equipment racks
- Fully compliant ISO/IEC 11801 edition 2 2002 and ANSI/TIA/EIA-568-C series connecting hardware standards.

Description	Ref. No
<b>Category 6<sub>A</sub></b>	
Empty panel 10G Cat 6 <sub>A</sub> , shielded 24-port patch panel*	<b>ACTPPS24NSU</b>
Empty panel 10G Cat 6 <sub>A</sub> , shielded 24-port angled jack panel, unloaded**	<b>ACTPPAS24NS</b>
(*) Remarks: ACTPPS24NSU can be used on Cat 6 shielded and Cat 5e FTP keystone jacks.	
(**) Remarks: ACTPPAS24NS can be used on Cat 6 <sub>A</sub> or Cat 6 shielded angled.	



### Equipped fixed panel for S-110 connectors, Cat 5e, 1U 24 ports UTP

- Aesthetic, contemporary design
- Powder coated metal framework
- Universal colour-coding for T568A and T568B wiring scheme
- Removable rear cable management tray
- Compatible with standard 19" equipment frames
- IDC termination using an Actassi or other compatible tools
- Fully compliant to AS/NZS 3080: 2003, ISO/IEC 11801 edition 2 2002 and ANSI/TIA/EIA-568-C series connecting hardware standards.

RJ45A124PPSH\_24FC6BPP



Description	Ref. No
Equipped panel Category 5e, UTP 24-port non-shutter patch panel	<b>ACTPP5EU24NSS</b>

### Equipped fixed panel with S-110 connectors, Cat 5e and Cat 6 UTP, 1U 24 ports,

- Equipped fixed 19" copper panel (with connectors, pre-mounted)
- 1U height
- 24 RJ45 ports
- 1 Quick Fix function on both sides to allow a simple, quick fixing position
- Panels equipped with 4 label holders and a metal tray cable manager
- Metal sheet: thickness 1.2 mm. Dark grey RAL 7016
- Plastic parts in PA66 GF20 or PA6
- Simple clicking connectors for mounting and dismounting.

Evolution version: pre-equipped with 24 RJ45 S-110 keystone connectors (pre-mounted) and a metal tray cable manager

P133076



Description	Ref. No
<b>Category 5e</b> Equipped panel 1U with 24 RJ45 S-110 connectors keystone Cat 5e UTP	<b>VDIG113241U50</b>
<b>Category 6</b> Equipped panel 1U with 24 RJ45 S-110 connectors keystone Cat 6 UTP	<b>VDIG113241U60</b>

### Equipped fixed panel for S-110 connectors, Cat 6, 1U 24 ports UTP

- Aesthetic, contemporary design
- Powder coated metal framework
- Universal colour-coding for T568A and T568B wiring scheme
- Removable rear cable management tray
- Compatible with standard 19" equipment frames
- IDC termination using an Actassi or other compatible tools
- Fully compliant to AS/NZS 3080: 2003, ISO/IEC 11801 Edition 2 2002 and ANSI/TIA/EIA-568-C series connecting hardware standards.

RJ45A124PPSH\_24FC6BPP



Description	Ref. No
Equipped panel Category 6, UTP 24-port, non-shutter, patch panel	<b>ACTPP6U24NSS_S</b>
Equipped panel Category 6, UTP 24-port, shuttered, patch panel	<b>ACTPP6U24SHS</b>

P119458



### Equipped fixed panel with S-110 connectors, Cat 6<sub>A</sub> UTP, 1U 24 ports

- Equipped fixed 19" copper panel (with connectors, pre-mounted)
- Equipped with S-110 Cat 6<sub>A</sub> unshielded connectors, black colour, without shutters
- 1U height
- 24 RJ45 ports
- Panels equipped with 2 label holders and a cable manager
- The cable manager can rotate and be removed to ease the accessibility.

Description	Ref. No
<b>Category 6<sub>A</sub></b> Equipped panel 1U with 24 RJ45 S-110 connectors keystone Cat 6 <sub>A</sub> UTP, non-shutter	<b>ACTPP6ATGU24NSS</b>
Equipped panel 1U with 24 RJ45 S-110 connectors keystone Cat 6 <sub>A</sub> UTP, shutter	<b>ACTPP6ATGU24SHS</b>

Actassi panel with toolless jack



### Equipped fixed panel with S-110 connectors, Cat 6<sub>A</sub> STP, 1U 24 ports

- Category 6<sub>A</sub> fully shielded keystone modular jacks
- Universal colour-coding for 568A and 568B standards
- Front labelling system
- Removable rear cable management bar is bundled with Velcro tapes
- Compatible with standard 19" equipment racks
- Fully compliant ISO/IEC 11801 edition 2 2002 and ANSI/TIA/EIA-568-C series connecting hardware standards.

Description	Ref. No
Equipped panel 10G Category 6 <sub>A</sub> , shielded 24-port patch panel	<b>ACTPP6ATGS24NSS</b>

31071U24KPP1\_Cat 6P IDCPP



### Equipped fixed panel for S-110 connectors, Cat 6, 1U 24 ports ID6

- Aesthetic, contemporary design
- Shuttered outlets/ports
- Top (icon) and bottom (colour) designation dials
- Top and bottom hinged label windows for additional identification
- Powder coated metal framework
- Universal colour-coding for T568A and T568B wiring scheme
- Removable rear cable management tray
- Compatible with standard 19" equipment frames
- IDC termination using an Actassi or other compatible tools
- Fully compliant to AS/NZS 3080: 2003, ISO/IEC 11801 edition 2002 and ANSI/TIA/EIA-568-C series connecting hardware standards.

Description	Ref. No
Equipped panel Category 6, UTP 24-port ID6, shuttered, patch panel	<b>ACTPP6U24SHC</b>



### Telecom panel 50 ports

- Telecom panel 50 ports in 2 rows
- 1U height
- The telecom cable wires are terminated in LSA punch down blocks on the PCB according to a clear numbering
- 1 Quick Fix function on both sides to allow a simple, quick fixing position and sliding feature
- With label holders
- Cable organizer at the rear with number identification.

P111256



Description	Ref. No
Telecom panel 50 ports	<b>VDIG141501</b>

### Empty flat panel for S-One connectors in angle, 1U 24 ports

- 1U height
- 24 RJ45 ports
- Allows high-density copper ports installation. Connectors are positioned in angle to guide the patch-cords to the vertical sides of the enclosure. The installation of copper ports is maximised as there is no need to consume rack units to mount horizontal guiding panels
- Recommended mounting with vertical side ring for vertical management of the patch-cords (reference VDIM189412)
- 1 Quick Fix function on both sides to allow a simple, quick fixing position
- Equipped with a label holder and a cable manager at the rear
- The cable manager can rotate and be removed to ease the accessibility
- Metal sheet: thickness 1.2 mm. Dark grey RAL 7016
- Plastic parts in PA66 GF20 and PC
- Simple clicking the connectors for mounting
- Automatic earthing with pre-equipped bus bar.

### Empty flat 19" copper panel for connectors in angle (delivered without connectors)

Description	Ref. No
Empty flat panel for connectors in angle 1U FTP/STP 24 ports	<b>VDIG328241B</b>

P133074



### Equipped flat panel with S-One connectors in angle, Cat 6<sub>A</sub> STP, 1U 24 ports

- 1U height
- 24 RJ45 ports
- Allows high-density copper ports installation. Connectors are positioned in angle to guide the patch-cords to the vertical sides of the enclosure. The installation of copper ports is maximised as there is no need to consume rack units to mount horizontal guiding panels
- Recommended mounting with vertical side ring for vertical management of the patch-cords (reference VDIM189412)
- 1 Quick Fix function on both sides to allow a simple, quick fixing position
- Equipped with a label holder and a cable manager at the rear
- The cable manager can rotate and be removed to ease the accessibility
- Metal sheet: thickness 1.2 mm. Dark grey RAL 7016
- Plastic parts in PA66 GF20 and PC
- Simple clicking the connectors for mounting
- Automatic earthing with pre-equipped bus bar.

### Equipped flat 19" copper panel with connectors in angle (connectors included, not mounted)

Description	Ref. No
Equipped flat panel with connectors in angle 1U with 24 RJ45 Cat 6 <sub>A</sub> STP	<b>VDIG328241BX0</b>

P133070



### Empty flat panel for S-One DPM connectors in angle, 1U 24 ports

- 1U height
- 24 RJ45 ports
- Allows high-density copper ports installation. Connectors are positioned in angle to guide the patch-cords to the vertical sides of the enclosure. The installation of copper ports is maximised as there is no need to consume rack units to mount horizontal guiding panels
- Recommended mounting with vertical side ring for vertical management of the patch-cords (reference VDIM189412)
- 1 Quick Fix function on both sides to allow a simple, quick fixing position
- Equipped with a label holder and a cable manager at the rear
- The cable manager can rotate and be removed to ease the accessibility
- Metal sheet: thickness 1.2 mm. Dark grey RAL 7016
- Plastic parts in PA66 GF20 and PC
- Simple clicking the connectors for mounting
- Automatic earthing with pre-equipped bus bar.

**Empty flat 19" copper panel for DPM connectors in angle (delivered without connectors)**

Description	Ref. No
Empty flat panel for DPM connectors in angle 1U FTP/STP 24 ports	<b>VDIG321241B</b>

P133074



### Empty flat panel for S-110 connectors in angle, Cat 6, 1U 24 ports UTP

- Aesthetic, contemporary design
- Powder coated metal framework
- Universal colour-coding for T568A and T568B wiring scheme
- Removable rear cable management tray
- Compatible with standard 19" equipment frames
- IDC termination using a Actassi or other compatible tools
- Fully compliant to AS/NZS 3080: 2003, ISO/IEC 11801 Edition 2 2002 and ANSI/TIA/EIA-568-C series connecting hardware standards.

P147121



Description	Ref. No
Empty panel Category 6, UTP 24-port, non-shutter, angled panel	<b>ACTPPAU24NS</b>

### Empty flat panel for S-110 connectors in angle, Cat 6, 1U 24 ports FTP

- Aesthetic, contemporary design
- Powder coated metal framework
- Universal colour-coding for T568A and T568B wiring scheme
- Removable rear cable management tray
- Compatible with standard 19" equipment frames
- IDC termination using a Actassi or other compatible tools
- Fully compliant to AS/NZS 3080: 2003, ISO/IEC 11801 Edition 2 2002 and ANSI/TIA/EIA-568-C series connecting hardware standards.

P147132



Description	Ref. No
Empty panel Category 6, FTP shielded 24-port, non-shutter, angled jack panel, unloaded	<b>ACTPPAS24NS</b>



# Cable management and accessories

## S-One, S-One DPM and S-110



### Patch cord guiding panels

- Patch cord guiding panel
- 1U, 2U
- 1 Quick Fix function on both sides to allow a simple, quick fixing position
- 4 openable rings
- Patch cord holder integrated inside the ring for opened position.

Description	Ref. No
Patch cord guiding panel 1U with 4 openable rings	<b>VDIG188141</b>
Patch cord guiding panel 2U with 4 openable rings	<b>VDIG188142</b>



### Brush guiding panel

- Patch cord guiding panel
- 1U
- 1 Quick Fix function on both sides to allow a simple, quick fixing position.

Description	Ref. No
Patch cord brush guiding panel 1U	<b>VDIG188201</b>



### Side rings for vertical management

- Rings for vertical management of patch cords, in horizontal and vertical position
- Openable
- For racks 800 x 800 mm and 600 x 600 mm
- Can be fixed on each side of any Quick Fix system panel or guiding panel
- Large capacity up to 48 cords.

Description	Ref. No
Horizontal ring for vertical management of patch cords, 1U, for rack 800x800 mm	<b>VDIM189112</b>
Vertical ring for vertical management of patch cords, 2U, for rack 800x800 mm	<b>VDIM189412</b>
Ring for vertical management of patch cords, using self-grip strip, for rack 600x600 mm	<b>VDIM189111</b>



### Cable organizer

Description	Ref. No
Cable organizer for fixation of up to 24 cables inside the panel	<b>VDIM11U001</b>



### Label holders for data panels

Description	Ref. No
Transparent label holders pack of 4 pcs	<b>VDIM11U002</b>



### RJ45 Shutters

Description	Ref. No
Shutters, blue, pack of 24 pcs	<b>VDIM11U241</b>
Shutters, yellow, pack of 24 pcs	<b>VDIM11U242</b>
Shutters, green, pack of 24 pcs	<b>VDIM11U243</b>
Shutters, red, pack of 24 pcs	<b>VDIM11U244</b>
Shutters, grey, pack of 24 pcs	<b>VDIM11U246</b>



### Rack earthing kit

Description	Ref. No
Rack earthing kit, pack of 10 pcs	<b>VDIM48E011</b>



# Cable management and accessories

## S-One, S-One DPM and S-110

P110146

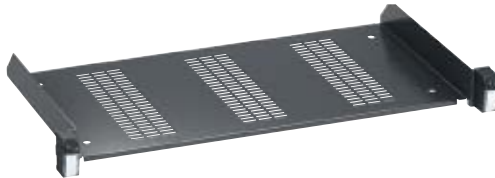


### Metal blank panel

- 1 Quick Fix function on both sides to allow a simple, quick fixing position.

Description	Ref. No
Blank panel 1U	VDIG188021

P110147



### Metal shelf

- 1 Quick Fix function on both sides to allow a simple, quick fixing position.

Description	Ref. No
Shelf 1U, depth 250 mm, for max weight 15 kg	VDIG188011

RJ18CMIFFCC\_CabMnglPnl



### Metal management panel

- Cable management panel with metal fingers and metallic cover
- Metal base is powder coated to provide protection against scratches and rust
- A metallic cover provides security and aesthetics
- Available as a 1-rack unit (1U) item
- Available in graphite grey
- Compatible with standard 19" equipment racks.

Description	Ref. No
1U cable management panel	ACTRJ1UCMPM

RJ1UCMPC



### Management panel

- Rack mount clips eliminate the need for cage nuts and screws
- Reinforced cable management rings can accommodate up to 50 patch cords
- Cavities behind each ring provide additional space for cable slack
- Additional depth on cable rings ensures compliance with minimum bend radius requirements
- Compliments Actassi patch panel styling.

Description	Ref. No
1U, Actassi deep cable management panel	ACTRJ1UCMPC

RJ1UCMPS



1U, Actassi shallow cable management panel	ACTRJ1UCMPS
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P110577



### Tool

- Punch Down Tool for LSA contacts, to use for Telecom panel cable connection.

Description	Ref. No
Punch down tool LSA Contacts	VDIB299001

P113144



### Others

Description	Ref. No
Ericsson rack panel mounting accessory	VDIM18W001

## 19" power panel 16 A/250 V

- Profile: 1U height ALU Anodize
- Sockets: 2-pole with earthing contact 16 A/3680 W, AC 250 V, IP20, colour RAL 7016, plastic material: PA6 GF30
- 1 Quick Fix function on both sides to allow a simple, quick fixing position fitted with 3 m length power cord
- Supplied with personalized cable identification labels.

### Standard

Description	Ref. No
Power panel 9 x French outlets according to NF C 61314	<b>VDIG161911</b>
Power panel 9 x Schuko outlets according to DIN 49 440	<b>VDIG161931</b>
Power panel 9 x Danish outlets according to DS/IEC 60884-1	<b>VDIG161941</b>
Power panel 9 x Danish outlets EDB according to DS/IEC 60884-1	<b>VDIG161951</b>

### With protected light switch




Description	Ref. No
Power panel 8 x French outlets according to NF C 61314	<b>VDIG162711</b>
Power panel 8 x Schuko outlets according to DIN 49 440	<b>VDIG162731</b>
Power panel 8 x Danish outlets according to DS/IEC 60884-1	<b>VDIG162841</b>

### With protected light switch + overvoltage protection

- Short circuit protection 6.5 kA
- Protection level Up 1.5 kV
- Optic signal for function (green)
- Optic signal for defect (orange).

Description	Ref. No
Power panel 7 x French outlets according to NF C 61314	<b>VDIG164711</b>
Power panel 7 x Schuko outlets according to DIN 49 440	<b>VDIG164731</b>
Power panel 7 x Danish outlets 10 amp. according to DS/IEC 60884-1	<b>VDIG1647411</b>



		With circuit breaker/earth leakage 230 V, 16 A, 30 mA	
		Description	Ref. No
P110142		Power panel 6 x French outlets according to NF C 61314	<b>VDIG163611</b>
P110674		Power panel 6 x Schuko outlets according to DIN 49 440	<b>VDIG163631</b>
P110873		Power panel 6 x Danish outlets 10 amp. according to DS/IEC 60884-1	<b>VDIG1636411</b>



# 110 System & Voice distribution

APAC

110 wallmount block - Category 5e

The 110 wiring block is an extremely popular way of terminating cables for cross connecting data and voice. It is used in either a rack or wall mounted situation. The base block is where the riser/horizontal cable is terminated and a 110 connector is then placed over the terminated pairs. This now allows access for jumper wires or 110 patch cords to cross connect. The wall mount is available with or without legs to allow room behind the block for cable entry and to stand off from the wall.

The blocks are available in 50, 100 and 300-pair with legs. Blocks without legs are available in 50 and 100-pair configurations. The 110 connectors are available in 4 and 5-pair sizes. The termination of cable on 110 wiring blocks is achieved with the use of 110 tools. Use either the single contact tool or the speedy 5-pair termination tool. Both tools have a cut-off mechanism. Both can be used on the wiring block bases (for cable termination) as well as the top of the IDC contact block (for jumpering). The 5-pair tool can only be used to terminate on the wiring block and not to terminate jumpers on the 110 connector.

## Product features

- Popular 110 connector technology
- Available with or without legs for the block base
- Speedy 5-pair punch down block base saving installation time and cost
- Suitable for jumper wire or patch cords
- 4 and 5-pair 110 connectors available.

## Customer benefits

- More cost-effective solution than RJ45 patching solutions
- Supports Category 5e performance
- Wire management available for jumpers and patch cords to prevent accidental disconnection
- Label holder and label for easy circuit identification
- 1,2 and 4-pair patch cords available for data, fax and voice applications.

E110L100PCC\_110ComBlk



ACTC5E110WMN100

Description	Ref. No
50-pair, base connector, without legs	ACTC5E110WMN50
50-pair, base connector, with legs	ACTC5E110WMW50
100-pair, base connector, without legs	ACTC5E110WMN100
100-pair, base connector, with legs	ACTC5E110WMW100
110 cable management panel	ACT110CMP
4-pair connector (100 pcs/bag)	ACTC5E110BL4P
5-pair connector (100 pcs/bag)	ACTC5E110BL5P
4 and 5-pair connector kit (for 100-pair) (20xC4 + 4xC5)	ACTC5E110BL45P
110 Kit, 50-pair base and 10xC4 + 2xC5 connector, without legs	ACTC5E110WMN50K
110 Kit, 50-pair base and 10xC4 + 2xC5 connector, with legs	ACTC5E110WMW50K
110 Kit, 100-pair base and 20xC4 + 4xC5 connector, without legs	ACTC5E110WMN100K
110 Kit, 100-pair base and 20xC4 + 4xC5 connector, with legs	ACTC5E110WMW100K
100-pair, 19" rack mount	ACTC5E110RM100P
4-pair punch down tool (for Cat 5e 110 only)	ACTC5E110PDT4P

Please add "A" for T568A wiring and "B" for T568B wiring at the back of the part number during ordering.

# 110 System & Voice distribution

APAC

110 wallmount block - Category 6

The Cat 6 110 wiring block is a popular way of terminating cables for cross connecting data and voice. It is used in either a rack or wall mounted situation. The base block is where the riser/horizontal cable is terminated and a 110 connector is then placed over the terminated pairs. This now allows access for jumper wires or 110 patch cords to cross connect.

The wall-mount blocks are available in 48, 96 and 288-pair with legs; rack mounted blocks is supplied with back panel (1U~3U) available in 96, 192 and 288-pair.

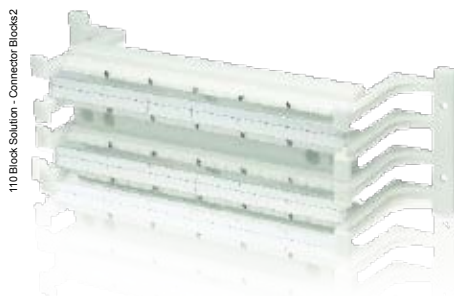
The 110 connectors is available in 4-pair size. The termination of cable on 110 wiring blocks is achieved with the use of speedy 4-pair termination tool. The 4-pair tool can only be used to terminate on the wiring block and not to terminate jumpers on the 110 connector.

## Product features

- Popular 110 connector technology meets TIA/EIA 568B 2.1 Cat 6 connecting hardware standards
- Both available in wall-mount and rack-mount types
- Speedy 4-pair punch down block base saving installation time and cost.

## Customer benefits

- More cost-effective solution than RJ45 patching solutions
- Supports Category 6 performance
- Wire management available for jumpers and patch cords to prevent accidental disconnection
- Label holder and label for easy circuit identification.



Wall-Mount Blocks

Description	Ref. No
Cat 6 110 block 48-pair with legs	<b>ACTC6110WMW48</b>
Cat 6 110 block 96-pair with legs	<b>ACTC6110WMW96</b>
Cat 6 110 block 288-pair with legs	<b>ACTC6110WMW288</b>
Rack mount Cat 6 110 block 96-pair, 1U	<b>ACTC6110RM96P</b>
Rack mount Cat 6 110 block 192-pair, 2U	<b>ACTC6110RM192P</b>
Rack mount Cat 6 110 block 288-pair, 3U	<b>ACTC6110RM288P</b>
Cat 6 110 IDC 4-pair	<b>ACTC6110BL4P</b>
4-pair punch down tool	<b>ACTC6110PDT4P</b>



# 110 System & Voice distribution

APAC

## 110 system patch cord - Category 5e

Category 5 110 patch cords complements the Connect 110 wiring block solution. Cords are available in 1, 2 and 4-pair configuration for data, fax and voice applications. Also available is RJ45 to 110 and 110 to raw end for direct termination. These cords are available in white and are used as jumper cords or end-user patch cords.

Category 5 110 patch cord supports both Category 5 and Category 5e.

### Product features

- UL listed CM fire rated jacketing
- PE insulation on conductors
- PVC outer jacket material
- Available in multiple lengths and 1, 2 and 4-pair configuration.

### Customer benefits

- Category 5e ANSI/TIA/EIA-568-C compliant
- Available in various lengths to assist in better cable management
- Available in multipair configuration to cater to data, fax and voice applications.

C1101100100C\_110Cords



ACT5E1100PC1PA1

Description	Ref. No
Category 5e, 1-pair, 110 to 110 patch cord, 1.0 m	<b>ACT5E1100PC1PA1</b>
Category 5e, 1-pair, 110 to 110 patch cord, 2.0 m	<b>ACT5E1100PC1PA2</b>
Category 5e, 1-pair, 110 to 110 patch cord, 3.0 m	<b>ACT5E1100PC1PA3</b>
Category 5e, 2-pair, 110 to 110 patch cord, 1.0 m	<b>ACT5E1100PC2PA1</b>
Category 5e, 2-pair, 110 to 110 patch cord, 2.0 m	<b>ACT5E1100PC2PA2</b>
Category 5e, 2-pair, 110 to 110 patch cord, 3.0 m	<b>ACT5E1100PC2PA3</b>
Category 5e, 4-pair, 110 to 110 patch cord, 1.0 m	<b>ACT5E1100PC4PA1</b>
Category 5e, 4-pair, 110 to 110 patch cord, 2.0 m	<b>ACT5E1100PC4PA2</b>
Category 5e, 4-pair, 110 to 110 patch cord, 3.0 m	<b>ACT5E1100PC4PA3</b>

Please add "A" for T568A wiring and "B" for T568B wiring at the back of the part number during ordering.

# 110 System & Voice distribution

APAC

110 system patch cord - Category 6

## Product features

- UL94V-0 fire retardant plastic
- 110-110 type and 110-RJ45 type are available
- Meets TIA/EIA-568-B.2-1 Category 6 connecting hardware standards.

## Customer benefits

- Available in various lengths to assist in better cable management
- Available in multi-pair configuration to cater to data, fax and voice applications.

110 Block Solution - patch cords



ACTC6110PC1PB1

Description	Ref. No
Cat 6 110-110 patch cord, 1P, 1 m	ACTC6110PC1PA1
Cat 6 110-110 patch cord, 1P, 2 m	ACTC6110PC1PA2
Cat 6 110-110 patch cord, 1P, 3 m	ACTC6110PC1PA3
Cat 6 110-110 patch cord, 2P, 1 m	ACTC6110PC2PA1
Cat 6 110-110 patch cord, 2P, 2 m	ACTC6110PC2PA2
Cat 6 110-110 patch cord, 2P, 3 m	ACTC6110PC2PA3
Cat 6 110-110 patch cord, 4P, 1 m	ACTC6110PC4PA1
Cat 6 110-110 patch cord, 4P, 2 m	ACTC6110PC4PA2
Cat 6 110-110 patch cord, 4P, 3 m	ACTC6110PC4PA3
Cat 6 110-RJ45 patch cord, 1P, 1 m	ACTC6110PC1PB1
Cat 6 110-RJ45 patch cord, 1P, 2 m	ACTC6110PC1PB2
Cat 6 110-RJ45 patch cord, 1P, 3 m	ACTC6110PC1PB3
Cat 6 110-RJ45 patch cord, 2P, 1 m	ACTC6110PC2PB1
Cat 6 110-RJ45 patch cord, 2P, 2 m	ACTC6110PC2PB2
Cat 6 110-RJ45 patch cord, 2P, 3 m	ACTC6110PC2PB3
Cat 6 110-RJ45 patch cord, 4P, 1 m	ACTC6110PC4PB1
Cat 6 110-RJ45 patch cord, 4P, 2 m	ACTC6110PC4PB2
Cat 6 110-RJ45 patch cord, 4P, 3 m	ACTC6110PC4PB3



# 110 System & Voice distribution

## APAC

### 110-RJ45 system patch cord - Category 5e

Category 5 110-RJ45 patch cords complements the Connect 110 wiring block solution. Cords are available in 1, 2 and 4-pair configuration for data, fax and voice applications. Also available is RJ45 to 110 and 110 to raw end for direct termination. These cords are available in white and are used as jumper cords or end-user patch cords.

Category 5 110-RJ45 patch cord supports both Category 5 and Category 5e.

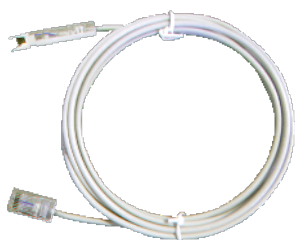
#### Product features

- UL listed CM fire rated jacketing
- PE insulation on conductors
- PVC outer jacket material
- Available in multiple lengths and 1,2 and 4-pair configuration.

#### Customer benefits

- Category 5e ANSI/TIA/EIA-568-C compliant
- Available in various lengths to assist in better cable management
- Available in multipair configuration to cater to data, fax and voice applications.

white cable picture 2



ACT5E110PC1PB1

Description	Ref. No
Category 5e, 110-RJ45, 1-pair, patch cord, 1.0 m	<b>ACT5E110PC1PB1</b>
Category 5e, 110-RJ45, 1-pair, patch cord, 2.0 m	<b>ACT5E110PC1PB2</b>
Category 5e, 110-RJ45, 1-pair, patch cord, 3.0 m	<b>ACT5E110PC1PB3</b>
Category 5e, 110-RJ45, 2-pair, patch cord, 1.0 m	<b>ACT5E110PC2PB1</b>
Category 5e, 110-RJ45, 2-pair, patch cord, 2.0 m	<b>ACT5E110PC2PB2</b>
Category 5e, 110-RJ45, 2-pair, patch cord, 3.0 m	<b>ACT5E110PC2PB3</b>
Category 5e, 110-RJ45, 4-pair, patch cord, 1.0 m	<b>ACT5E110PC4PB1</b>
Category 5e, 110-RJ45, 4-pair, patch cord, 2.0 m	<b>ACT5E110PC2PB2</b>
Category 5e, 110-RJ45, 4-pair, patch cord, 3.0 m	<b>ACT5E110PC2PB3</b>



# 110 System & Voice distribution

## APAC

### Distribution frames

The distribution frames are available for use as a Campus Distributor or Building Distributor (MDFs), Floor Distributor (IDF) or Final Distribution Point (FDP).

#### Product features

- Made from high-quality stainless steel
- Bundled with label holders
- Moulded plastic covers are optional.

#### Customer benefits

- Available in various sizes.
- Easy installation and management.

3100F100MDF\_DistFrame



ACT3100F250MDF

Description	Ref. No
250-pair frame, accommodates 25 modules & 2 label holders	<b>ACT3100F250MDF</b>
500-pair frame, accommodates 50 modules & 5 label holders	<b>ACT3100F500MDF</b>





# 110 System & Voice distribution

## APAC Distribution enclosures

The distribution enclosures can be used as either a Horizontal Cross-Connect (HC), Floor Distributor (IDF) or a Final Distribution Point (FDP). Weatherproof enclosures for use as campus or building distributors (MDF) are also available. Record cards and keyed locks are included.

### Product features

- Category 3 compliant
- Permanent services are hardwired rather than patched
- Accepts 22-24 AWG diameter conductors.

### Customer benefits

- Suitable for flooring or consolidation voice connection
- Water proof and key locked enclosure.

D9C3583



ACT3100E30IDF

Description	Ref. No
30-pair enclosure, accommodates 3 modules	<b>ACT3100E30IDF</b>
100-pair enclosure, accommodates 10 modules	<b>ACT3100E100IDF</b>





# 110 System & Voice distribution

## APAC

### Connection modules

The connection modules are Krone backmount frame compatible. Accessories available add further convenience and safety to the Voice Connection Range.

#### Product features

- Category 3 compliant
- Permanent services are hardwired rather than patched
- Accepts 22-24 AWG diameter conductors.

#### Customer benefits

- Low cost solution for voice connection.
- Connector modules and accessories are Krone compatible.

3100VDM10\_DisconnectModule



ACT3100VDM10

3100VEM10\_TRC\_EarthModule



ACT3100VEM10

Description	Ref. No
10-pair connection module, with numbers 1-10, 10-100	<b>ACT3100VCM10</b>
10-pair disconnection module, with numbers 1-10, 10-100	<b>ACT3100VDM10</b>
TRC earth module, 38 wire, red	<b>ACT3100VEM10</b>
Label holder, 1 position, hinged	<b>ACT3100LABHLDRH</b>





# Actassi Fibre solution

<b>Connectors</b> .....	<b>120</b>
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# Actassi fibre optic cables

## Part of a total solution

Actassi Fibre LAN cables are an important part of our total Network Connectivity solution that also includes panels, enclosures, connectors etc. All Network Connectivity products are specially designed to work perfectly together with complementary Schneider Electric products like trunking, poles, boxes and wiring devices in order to deliver true and seamless end-to-end connectivity.



The Fibre LAN offer covers needs for all kinds of LAN installations:

Campus (between buildings), Building backbones (between technical rooms) and Distribution (from technical rooms to workstations).

### Actassi network connectivity

- 1 Enclosures
- 2 Panels for data, fibre optic and telecom
- 3 Fibre LAN backbone cables
- 4 Copper LAN and Fibre LAN distribution cables
- 5 Fibre LAN campus cables
- 6 Fibre data sockets in trunking
- 7 Fibre data sockets in posts
- 8 Fibre data sockets in floor boxes

# A complete product portfolio for LAN installations

The Fibre LAN range offers a complete product portfolio for LAN installations. Providing the best support for high-speed data networks the fibre LAN range complements our Copper LAN offer. Optic cables, patchcords, connectors, tools and accessories are part of the Fibre LAN offer.



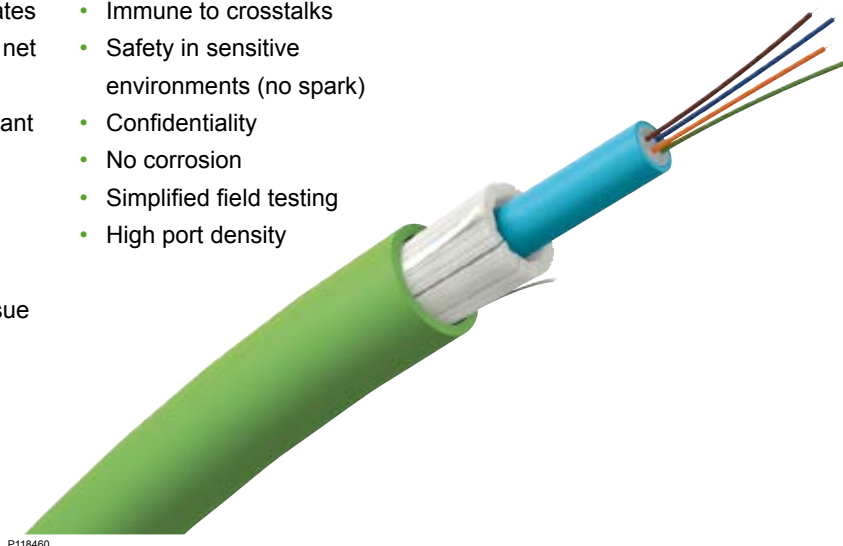
The Actassi 19" fibre optic panel is one of the most installation and user-friendly panels on the market. Quick-fix, sliding function, integrated guiding panel, excellent protection and clear marking, coiling wheels and much more.

3

## Fibre optic technology offers several advantages



- Very high data rates
- Flexible, reliable network works
- Very low & constant attenuation
- Long distances (up to 40 km)
- No EMC rules
- No grounding issue
- Immune to crosstalks
- Safety in sensitive environments (no spark)
- Confidentiality
- No corrosion
- Simplified field testing
- High port density





# Fibre optic performances

Actassi Fibre LAN is a reliable and robust solution for high-speed data networks. The range includes both OM1, OM2 and OM3, but also OM4 and OS2 following the latest standards.

## Fibre LAN performances in brief

- Supports all kinds of network applications like 10 Gigabit/s Ethernet, Gigabit/s Ethernet, FastEthernet, Ethernet.
- Guarantees the compatibility with LAN active components.
- Compliant with international LAN optic transmission standards
- Available in multimode and single-mode, adapted to all LAN active equipments using LED, VCSEL and LASER technologies.

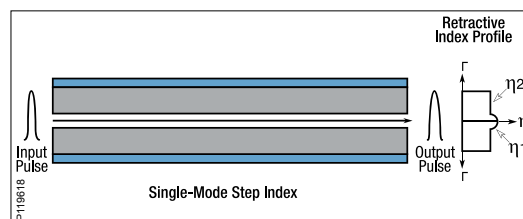
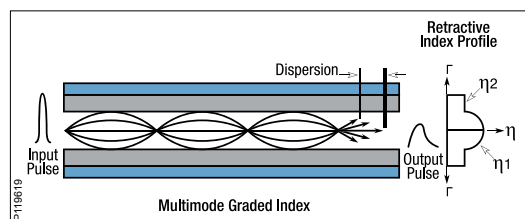
## Two types of fibres: Multimode and Single-mode

### Multimode (OM1, OM2, OM3, OM4)

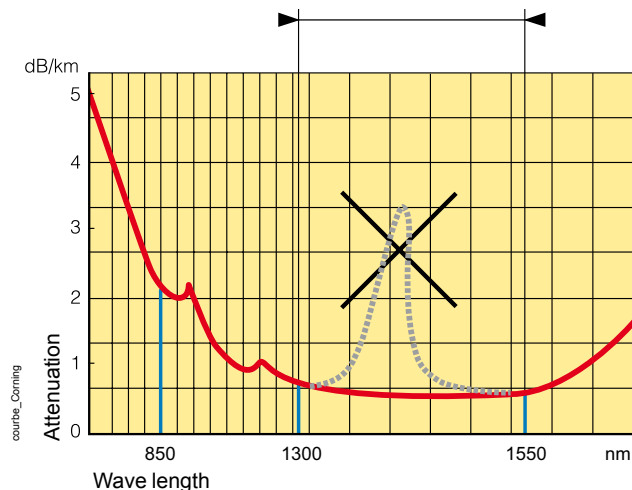
- 4 ranges of multimode optic fibres performances: OM1 62.5/125, OM2 50/125, OM3 50/125 and OM4 50/125. Meeting the markets needs up to 10 Gigabit/s.
- OM4 50/125 performance. Meeting the markets needs for speeds beyond 40 Gigabit/s and 100 Gigabit/s.
- High bandwidth. Optimized to increase the maximum optic link distance at both operating wavelengths (850 nm and 1300 nm).
- Low attenuation. Optimized to decrease the signal attenuation at both operating wavelengths (850 nm and 1300 nm).

### Single-mode (OS1/OS2)

- Single-mode optic fibres performances: OS1/OS2 9/125. Meeting the markets needs for all single-mode applications.
- Low Water Peak and PMD. Optimized to decrease the signal attenuation between 1260 to 1625 nm allowing for multiplexing (modern optical transmission technologies like DWDM).

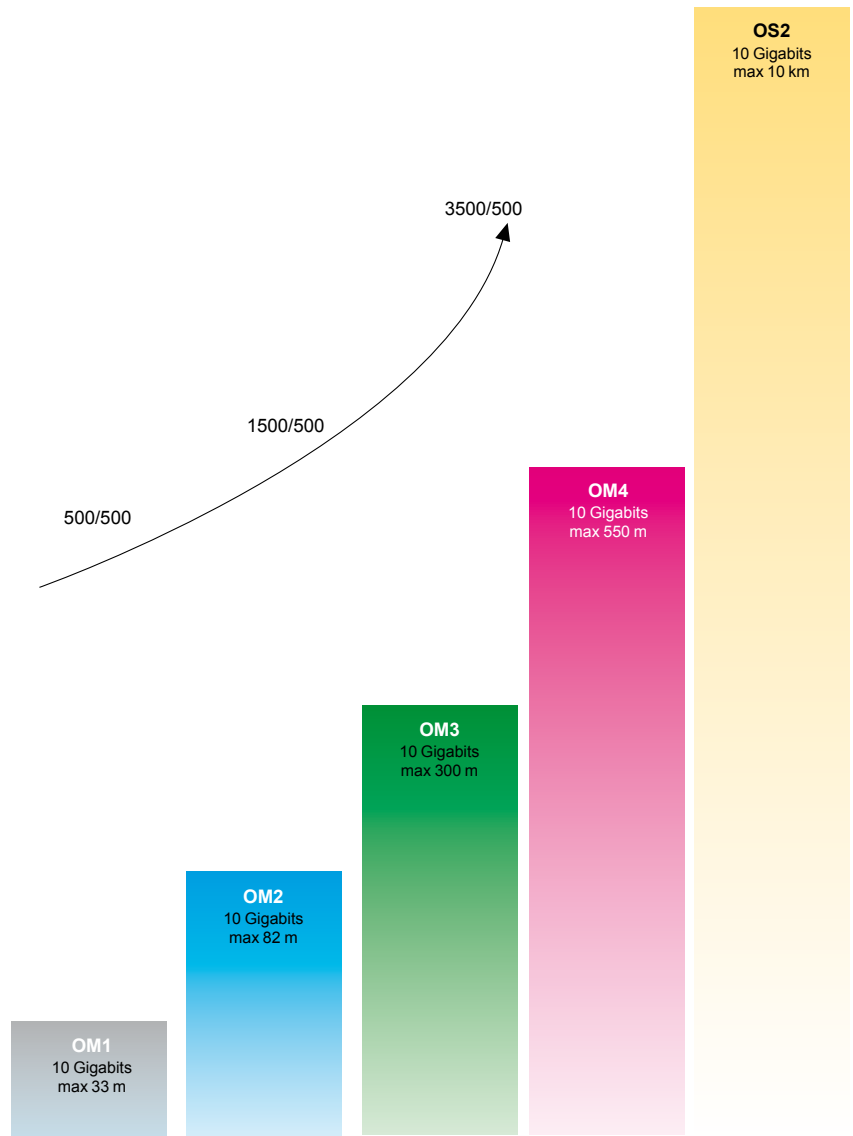


### Full Spectrum Fibre





Supports all kinds of network applications



Applications	Wavelength	Multimode fibre				Singlemode fibre
		OM1 62.5/125 µm	OM2 50/125 µm	OM3 50/125 µm	OM4 50/125 µm	OS2 9/125 µm
Overfilled Bandwidth (MHz.km)	OFL 850/1300 nm	200/500	500/500	1500/500	3500/500	-
100 Gbit/s IEEE 802.3ba		-	-	100 m	125 m	10 km / 40 km
40 Gbit/s IEEE 802.3ba		-	-	100 m	125 m	10 km / 40 km
10 Gbit/s (10GBASE-SR/SW)	VCSEL 850 nm	33 m	82 m	300 m	550 m	-
10 Gbit/s (10GBASE-LX4)	LASER 1300 nm		300 m	300 m	300 m	-
10 Gbit/s (10GBASE-LRM)	LASER WDM 1300 nm		220 m	220 m	220 m	-
10 Gbit/s (10GBASE-LR/LW)	LASER 1310 nm		-	-	-	10 km
10 Gbit/s (10GBASE-ER/EW)	LASER 1550 nm		-	-	-	40 km
1 Gbit/s (1000BASE-SX)	VCSEL 850 nm	275 m	550 m	1000 m	1100 m	-
1 Gbit/s (1000BASE-LX)	LASER 1300/1310 nm	550 m	550 m	550 m	600 m	5 km
100 Mbit/s (100BASE-SX)	VCSEL 850 nm	300 m	300 m	300 m	300 m	-
100 Mbit/s (100BASE-LX)	LASER 1300/1310 nm	2000 m	2000 m	2000 m	2000 m	>20 km

3









# Actassi fibre optic connectors and pigtails


Wide range of fibre optic connectors, pigtails and accessories to support all the needs required for connecting fibre to fibre, and fibre to connector inside optic patch panels and/or at workstation.


## Performances


SC connectors	LC connectors	ST connectors
Compliant with TIA/EIA 604-3 and IEC 61754-4 Ed. 2	Compliant with TIA/EIA 604-10A and IEC 61754-20 Ed. 2	Compliant with TIA/EIA 604-2 and IEC 61754-2


## Choice guide


Type of products	Prefered connection	Ferrule type	Recommended application	Installation time	Required skills and equipment
Unicam connectors	Connector to Tight buffered cable	Ceramic	Field installable No Epoxy No Polish	 1 minute	 Toolkit
Cold cured/ Heat cured connectors	Connector to Tight buffered and Loose Tube cables	Ceramic	Field installable Epoxy and Polish required	 4 minutes	 Know how + Toolkit + Oven if heat cured
Pigtails	Loose tube fibre to Loose tube fibre	Ceramic	Field installable Splicing equipment	 3 minutes	 Know how + splicing equipment"
Camsplice	Loose tube fibre to Loose tube fibre	Ceramic	Emergency restoration	 3 minutes	 Toolkit


 Minimum installation time

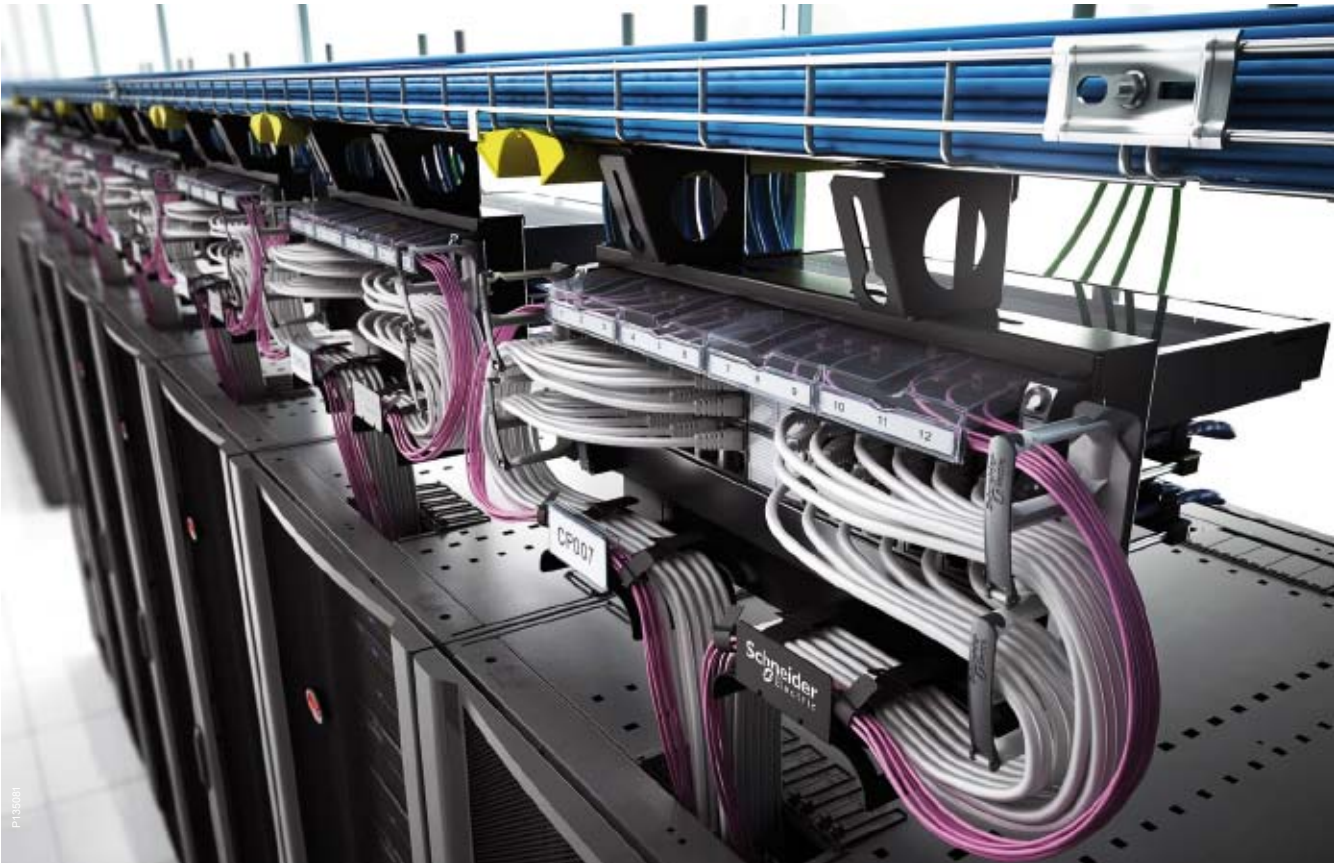
 Medium installation time

 Maximum installation time

 Minimum skills and equipment

 Medium skills and equipment

 Maximum skills and equipment



# Actassi fibre optic solutions

Network Connectivity solutions are key in your data centre to answer your environment constraints. Indeed you have to deal space optimization, MACs, high bandwidth requirements for your active and passive components, security, and CAPEX reduction. In that direction, from Standard Building to Data centre applications, Schneider Electric introduces complete Fibre Optic solutions to cover your needs at all levels.



Schneider Electric introduces complete Fibre Optic solutions to cover your needs at all levels.

## Data centre environment evolution and key trends are driving the market

### Cloud Computing trends with a significant increase of Big Data volume for the next years

- High bandwidth requirements for computing and core networking applications is growing steadily towards from 10 G to 40 and 100 Gbits
- Higher reliability and security needs: in data centre system downtime cannot be accepted and has to be 100 % under control not to happen

### Consolidation, automatization, virtualization of data centres

- Effective optimization of data centre space
- Effective cable management: Slack management is very important as well as ease airflow to relieve congestion in pathways and spaces
- Capacity planning, Infrastructure management improvements
- Rapid moves, adds and changes (MACs) need to be facilitated

### Externalisation with the increase of colocation data centres types

- CAPEX and OPEX reduction Energy

# Actassi seamless end-to-end network connectivity



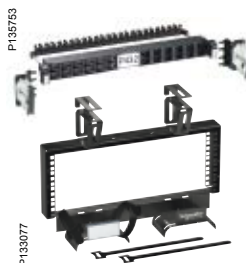
Actassi is a global and scalable network connectivity infrastructure solution for buildings and data centres. It's easy to install, easy to operate and is certified by a third-party independent laboratory at the highest Cat 6<sub>A</sub> international standards.

## Actassi Standard offer



A complete range of RJ45 connectors, 19" panels, cables and enclosures.

## Actassi Specific Data Centre offer



19" flat high-density panels and an innovative overhead patching frame.

## Actassi FL-MLink Pre-terminated solution



Pre-terminated fibre optical offer including panels, cassettes and links.

## Actassi Iris



An optical cabling system with the highest port density on the market.



# Actassi fibre optic solutions for all your needs

**Actassi 19-C  
Standard panel**



P111267

Standard & high productivity buildings

**From 1 to 5 racks  
10 G ready**

**Actassi 19-HD  
Fibre panel**



P146840

High productivity, buiding, small data centres

**From 1 to 10 racks  
10 G ready**

**Actassi FL-MLink  
Pre-terminated solution**



P140773

Large buildings, small & medium data centres

**From 5 to 100 racks  
10 G, 40 G, 100 G ready**

**Actassi Iris**



P131665

Large data centres

**> 100 racks  
100 G ready**

<b>Data centre type</b>	Small server rooms, Network closet	Server rooms, Network closet, Enterprise, Corporate	Finance, IT, Enterprise Corporate, Colocation, Public sectors	Finance, Colocation sectors
<b>Performance</b>	OM3 / OM4 / OS2			
<b>Density Fibre capacity</b>	19-C -> 48 fibres in 1U	HD -> 72 fibres in 1U HD -> 288 fibres in 4U	Classic -> 96 fibres in 1U MTP -> 576 fibres in 1U	Classic -> 576 fibres in 4U MTP -> 576 fibres in 1U
<b>Connectivity type</b>	-	-	MTP - 12 or 24 fibres	
<b>Key features</b>	<ul style="list-style-type: none"> <li>■ Standard sliding fibre optic panel</li> <li>■ Standard fibre cabling</li> <li>■ Direct termination or fusion splice</li> </ul>	<p><b>High density, space optimization</b></p> <ul style="list-style-type: none"> <li>■ Standard sliding fibre optic panel</li> <li>■ Standard fibre cabling</li> <li>■ Direct termination or fusion splice</li> </ul>	<p><b>High density plus</b></p> <ul style="list-style-type: none"> <li>■ 19" panels and pre-connectorized cassettes/links</li> <li>■ Bend insensitive fibre</li> <li>■ Options of polarity (straight through, reverse, pair flipped), not compatible with IRIS offer</li> <li>■ Secured delivery time for projects</li> <li>■ x3 faster compared to standard installation</li> <li>■ Project mode</li> </ul>	<p><b>High density premium</b></p> <ul style="list-style-type: none"> <li>■ Technology partnership, high end drawer style integrated</li> <li>■ Clearcurve fibre</li> <li>■ Universal polarity, not compatible with Actassi FL-MLink offers</li> <li>■ 25 % faster MAC's (reversible boots)</li> <li>■ 35 % faster to install</li> <li>■ Turnkey solutions energy efficiency, cooling, space optimization</li> </ul>

3

#### FL-C Fibre optic Unicam connectors

##### Specifications

- Unicam optic connectors suitable for quick and easy direct termination with tight buffered fibre optic cables inside optic patchpanels and/or at workstation:
  - less than 1 minute to connect a Unicam to a tight buffered fibre
  - does not require polishing unlike other no epoxy connectors. Controlled endface processing is part of the factory process
  - zirconia ceramic material ferrules
  - colored housings and boots to identify quickly performances of connectors:
    - OM1: beige housing / Beige boot, OM2: black or beige housing / Black boot, OM3/OM4: black housing / Aqua boot, OS2: blue housing / Blue boot
- The Unicam connector can best be described as a mini pigtail. It incorporates a factory installable fibre stub that is fully bonded into the ferrule. The other end of the fibre is precisely cleaved and placed into the patented alignment mechanism of our mechanical splice. Both the field fibre and fibre stub are fully protected from environmental factors.

##### Performances

- SC connectors compliant with TIA/EIA 604-3 and IEC 61754-4 Ed. 2
- LC connectors compliant with TIA/EIA 604-10A and IEC 61754-20 Ed. 2
- ST connectors compliant with TIA/EIA 604-2 and IEC 61754-2.

#### Unicam multimode connectors

Type	Qty/pack	Ref. No
Unicam connector OM1 62.5/125 SC	1	VDIB502101U
Unicam connector OM1 62.5/125 ST	1	VDIB501101U
Unicam connector OM1 62.5/125 LC	1	VDIB504101U
Unicam connector OM2 50/125 SC	1	VDIB502201U
Unicam connector OM2 50/125 ST	1	VDIB501201U
Unicam connector OM2 50/125 LC	1	VDIB504201U
Unicam connector OM3/OM4 50/125 SC	1	VDIB502301U
Unicam connector OM3/OM4 50/125 LC	1	VDIB504301U

P67232

P133702

P67235

P67217

P67223

P133691





# Connectors

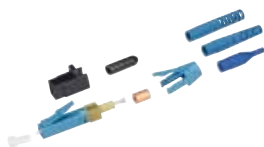
EMEAS

Unicam

P133888



P134791



VDIB699100



P134696



### Unicam singlemode connectors

Type	Qty/pack	Ref. No
Unicam connector OS2 9/125 SC	1	VDIB502501U
Unicam connector OS2 9/125 LC	1	VDIB504501U

### FL-C Fibre optic Unicam toolkits and accessories

#### Unicam toolkits and accessories

Type	Ref. No
Cleaver	VDIB699100
Visual Fault Locator VFL	VDIB699005U
Toolkit Unicam High Performance	VDIB699006U





# Connectors

## EMEAS

### Camsplice

#### FL-C Fibre optic Camsplice solution

##### Specifications

- Camsplice solution suitable for emergency restoration of the connection between 2 fibres (Multimode or Singlemode):
  - less than 2 minutes to connect fibres through Camsplice connector
  - completed splices fit into the Actassi optic cassette thanks to the fixation spreader for Camsplice
  - does not require adhesive or epoxy
  - minimal training and few accessories to assemble.
- The Camsplice connector incorporates a unique fibre alignment mechanism that self-centers the fibres and provides accurate alignment.

#### Camsplice

Type	Ref. No
Camsplice connector	VDIB699021M
Toolkit Camsplice	VDIB699022M
Camsplice Tool	VDIB699023M
Fixation spreader for 5 Camsplice connectors	VDIM15C201
Heat Shrink protective devices for fusion splice	VDIF090401
Fusion splice holder	VDIF090301

#### Other Solutions

Fibre spreaders: Helps transforming a loose tube fibre structure at 250 µm into a tight buffer structure at 900 µm in case of connection needed

##### Specifications

- Capacity: 6 or 12 optical fibres in loose tube.
- For cable tubes with 2.4 mm and 3 mm diameters.
- 900 µm optical fibre sheath.
- Sheath length: 0.6 m.
- Fibre diameter accepted: 250 µm.

#### Fibre spreaders

Type	Ref. No
6 FO spreader	VDIF090501
12 FO spreader	VDIF090502

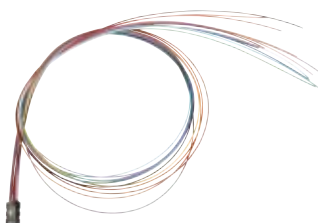
ODAVDIB699021M ODAVDIB699023M ODAVDIB699022M  
 ODAVDIM15C201 ODAVDIF090401 ODAVDIF090301



ODAVDIF090501



ODAVDIF090502





# Connectors

## EMEAS

### Cold cured and Heat cured

#### FL-C Fibre optic Cold cured and Heat cured connectors

■ Cold cured optic connectors combining the quick-cure convenience of anaerobic adhesive with the performances of epoxy and polish connectors for installations inside optic patchpanels and/or at workstation

- requires less than 4 minutes to assemble and polish the connector
- does not require electrical power to install
- hand polish

■ The anaerobic adhesive uses a two-part epoxy process. The adhesive is first injected into the connector ferrule. The fiber is dipped into the primer and inserted into the connector. Curing takes one minute without the use of lamp or oven. Then the fiber of the connector requires manual polishing through different grades of sand papers.

■ Heat cured connectors can be used according to installations standards of cold cured connectors.

#### Cold cured connectors

■ Connectors delivered with boots for 900 µm, 2 and 3 mm jacketed cables, crimp rings for 2 and 3 mm jacketed cables (and 1.6 mm for LC version)

■ Color coding for easy identification of performances (both black and aqua boots for Multimode, blue boot for singlemode)

■ Zirconia ceramic material ferrules.

#### Heat cured connectors

■ Connectors delivered with boot for 900 µm cables (beige boot for Multimode, blue boot for singlemode)

■ Zirconia ceramic material ferrules.

#### Performances

■ SC connectors compliant with TIA/EIA 604-3 and IEC 61754-4 Ed. 2

■ LC connectors compliant with TIA/EIA 604-10A and IEC 61754-20 Ed. 2

■ ST connectors compliant with TIA/EIA 604-2 and IEC 61754-2.

#### Connectors multimode

Type	Qty/pack	Ref. No
Cold cured Connector MM 50/125 SC	1	VDIB502201C
Cold cured Connector MM 50/125 ST	1	VDIB501201C
Cold cured Connector MM 50/125 LC	1	VDIB504201C
Heat cured Connector MM 50/125 SC	100	VDIB502201H
Heat cured Connector MM 50/125 ST	100	VDIB501201H
Heat cured Connector MM 50/125 LC	100	VDIB504201H

#### Connectors singlemode

Type	Qty/pack	Ref. No
Cold cured Connector SM 9/125 SC	1	VDIB502501C
Cold cured Connector SM 9/125 LC	1	VDIB504501C
Heat cured Connector SM 9/125 SC	100	VDIB502501H
Heat cured Connector SM 9/125 LC	100	VDIB504501H

#### FL-C Fibre optic accessory

Accessory	Ref. No
Cleaver	VDIB699100

P67209



P67215



P133687



P133690



P133689



P133686







Schneider Electric offers the customer access to the most popular connector and adaptor types including the new Actassi connector. The Actassi fibre optic connectors and Adaptors are superior products delivering the best networking performance when used in conjunction with Actassi fibre optic products.

### Specifications

- Optic pigtails suitable for splices terminaion with fibre optic cables inside optic patchpanels and/or at workstation:
- zirconia ceramic material ferrules
- colored housing to identify quickly performances of the connectors.

### Performances

- SC connectors compliant with TIA/EIA 604-3 and IEC 61754-4 Ed.2
- LC connectors compliant with TIA/EIA 604-10A and IEC 61754-20 Ed.2
- ST connectors compliant with TIA/EIA 604-2 and IEC 61754-2
- MTRJ connectors compliant with TIA/EIA 604-12 and IEC 61754-18.

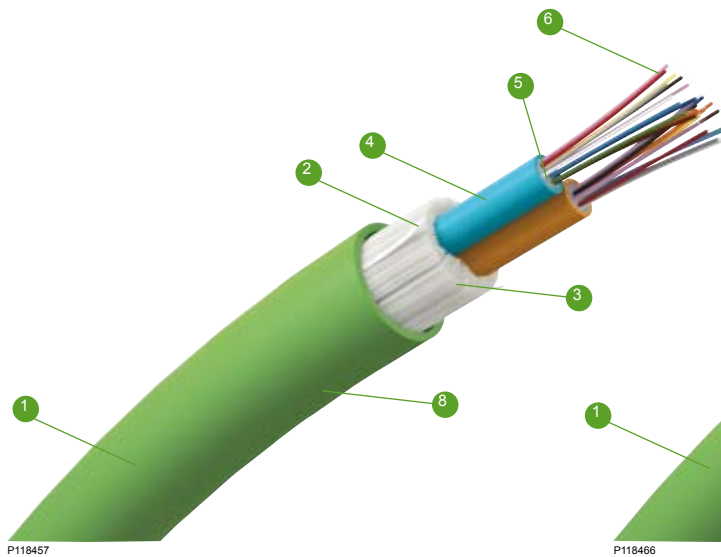


Description	Ref. No
<b>ST connectors</b>	
ST connector, single-mode, 3.0 mm	<b>ACTFCSTSM3</b>
ST connector, single-mode, 0.9 mm	<b>ACTFCSTSM9</b>
ST connector, multi-mode, 3.0 mm	<b>ACTFCSTMM3</b>
ST connector, multi-mode, 0.9 mm	<b>ACTFCSTMM9</b>
<b>SC connectors</b>	
SC connector, single-mode, 3.0 mm	<b>ACTFCSCSM3</b>
SC connector, single-mode, 0.9 mm	<b>ACTFCSCSM9</b>
SC connector, multi-mode, 3.0 mm	<b>ACTFCSCMM3</b>
SC connector, multi-mode, 0.9 mm	<b>ACTFCSCMM9</b>
<b>LC connectors</b>	
LC connector, single-mode, 1.6 mm	<b>ACTFCLCSM1</b>
LC connector, single-mode, 3.0 mm	<b>ACTFCLCSM3</b>
LC connector, multi-mode, 1.6 mm	<b>ACTFCLCMM1</b>
LC connector, multi-mode, 3.0 mm	<b>ACTFCLCMM3</b>
<b>MTRJ connectors</b>	
MTRJ connector, multi-mode, 1.6 mm	<b>ACTFCMTRJMM1</b>

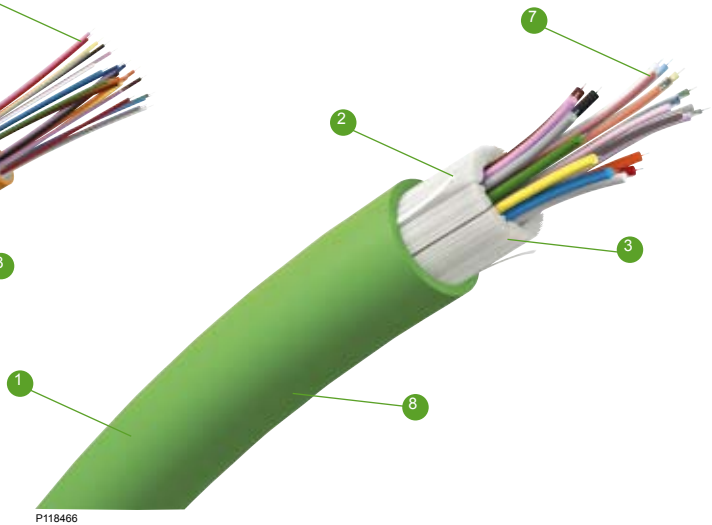
# Actassi fibre optic cables

Actassi Fibre LAN range is adapted to the familiar ways of installing optic connectors and pigtails (SC, LC, ST). The range is available under 2 different structures: tight buffered and Loose tube to be used for direct connector termination and for splicing respectively. Both structures are suitable for indoor and specific outdoor installations.

## Loose tube



## Tight buffered



### 1 Robust sheath

#### Tensile strength

Reinforces the tensile strength of the cable.

#### Robustness

High maximum pulling force and crush resistance of the cable during installation.

#### UV resistance

Resistance to UV degregation.

#### Colours

Distinct colours to identify strategic cables and prevent mistakenly cutting the cable.

### 2 Water swellable elements

Provide a protective barrier against longitudinally water ingress while guaranteeing cable performance.

### 3 100 % glass yarns

Reinforcing the tensile strength of the cable. Acting as rodent retardant.

### 4 Innovative design

Innovative design of dual loose tube structure to help simplify the installation.

### 5 Gel

Provides a protective barrier against longitudinal water ingress while guaranteeing cable performance.

### Coating

6 250 µm coating

7 900 µm coating

### 8 Compact for improved bending radius

The compact design of the cables gives several benefits:

- Reduced bending radii: 10 x diameter for Tight buffered and 60 mm for Loose tube cables
- Reduced diameter and increased installation space

### Packaging

Packaging adapted to our customers requests (convenient small sized drums or cut to length).



### Colour code

Fibre no.1 to no.12 according to the following colours.

1	Blue	
2	Orange	
3	Green	
4	Brown	
5	Grey	
6	White	
7	Red	
8	Black	
9	Yellow	
10	Violet	
11	Rose	
12	Aqua	

Fibre no.13 to no.24: idem + transparent



# Environment-friendly



## LSZH

LSZH (Low Smoke Zero Halogen) sheath according to test methods IEC 61034 (smoke density), IEC 60754-1 (gas toxicity), IEC 60754-2 (gas corrosiveness) for Tight buffered and Loose tube cables.

## Flame retardant

Flame retardant (self extinguishing) according to IEC 60332-1 for Tight buffered and Loose tube cables.

## Fire retardant

Fire retardant (no fire propagation along the cable) according to IEC 60332-3C for Tight buffered cables.



## RoHS and REACH

RoHS compliance according to UE directive.  
REACH compliance.  
PeP available for the range.



# Cables

## EMEAS

### Range Loose tube

#### FL-C Loose tube Fibre optic cables

##### Specifications

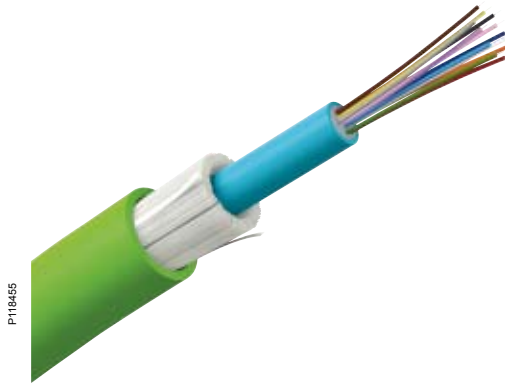
- Compact and universal cables suitable for indoor and specific outdoor installations:
- low Smoke Zero Halogen (LSZH) green coloured external sheath
- UV resistant
- dielectric
- high tensile strength
- rodent retardant
- longitudinally watertight
- Loose tube gel-filled cable construction with 250 µm coating available in intube structure for 4, 6, 8 and 12 fibres and bitube structure for 24 fibres
- Flame retardant according to IEC 60 332-1, EN 50 265 2.1, NF C 32 070 2.1 (Category C2).

##### Performances

- OM2 50/125 compliant with ITU G.651, IEC 60793-2-10 Type A1a.1 and ISO/IEC 11801: 2011 Ed2.2 OM2
- OM3 50/125 compliant with ITU G.651, IEC 60793-2-10 Type A1a.2 and ISO/IEC 11801: 2011 Ed2.2 OM3
- OM4 50/125 compliant with IEC 60793-2-10 Type A1a.3, ISO/IEC 11801: 2011 Ed2.2 OM4
- OS1/OS2 9/125 compliant with ITU G.652.D, IEC 60793-2-50 Type B1.3, ISO/IEC 11801: 2011 Ed2.2 OS2
- Cable mechanical characteristics tested according to IEC 60794-1.

##### Use

- High data rate fibre optic backbones for building and campus
- Suitable for splicing termination: installation with pigtails by fusion or mechanical splices.



P118455



P118460  
P120000



P118469  
P120001



P118458  
P120002



P118455  
P120003



P118457  
P120004



OM2 50/125 µm		
Type	Length	Ref. No
Optic cable Indoor/outdoor OM2 50/125 µm multimode fibres, green overall jacket.		
OM2 50/125, Loose tube, 4 fibres	2100 m	VDIC52204L
	Cut to length	VDIC52204LM
OM2 50/125, Loose tube, 6 fibres	525 m	VDIC42206L
	2100 m	VDIC52206L
	Cut to length	VDIC52206LM
OM2 50/125, Loose tube, 8 fibres	2100 m	VDIC52208L
	Cut to length	VDIC52208LM
OM2 50/125, Loose tube, 12 fibres	525 m	VDIC42212L
	2100 m	VDIC52212L
	Cut to length	VDIC52212LM
OM2 50/125, Loose tube, 24 fibres	525 m	VDIC42224L
	2100 m	VDIC52224L
	Cut to length	VDIC52224LM





# Cables

## EMEAS

### Range Loose tube

		OM3 50/125 µm		
		Type	Length	Ref. No
		Optic cable Indoor/outdoor OM3 50/125 µm multimode fibres, green overall jacket.		
P118459 P120001		OM3 50/125, Loose tube, 6 fibres	525 m	VDIC42306L
			2100 m	VDIC52306L
			Cut to length	VDIC52306LM
P118455 P120003		OM3 50/125, Loose tube, 12 fibres	525 m	VDIC42312L
			2100 m	VDIC52312L
			Cut to length	VDIC52312LM
P118457 P120004		OM3 50/125, Loose tube, 24 fibres	525 m	VDIC42324L
			2100 m	VDIC52324L
			Cut to length	VDIC52324LM
		OM4 50/125 µm		
		Type	Length	Ref. No
		Optic cable indoor/outdoor, OM4 50/125 µm multimode fibres, green overall jacket.		
P118459 P120001		OM4 50/125, Loose tube, 6 fibres	2100 m	VDIC52406L
			Cut to length	VDIC52406LM
P118455 P120003		OM4 50/125, Loose tube, 12 fibres	2100 m	VDIC52412L
			Cut to length	VDIC52412LM
P118457 P120004		OM4 50/125, Loose tube, 24 fibres	2100 m	VDIC52424L
			Cut to length	VDIC52424LM
		OS1/OS2 9/125 µm		
		Type	Length	Ref. No
		Optic cable indoor/outdoor, OS1/OS2 9/125 µm single-mode fibres, green overall jacket.		
P118460 P120000		OS1/OS2 9/125, Loose tube, 4 fibres	2100 m	VDIC52504L
			Cut to length	VDIC52504LM
P118459 P120001		OS1/OS2 9/125, Loose tube, 6 fibres	525 m	VDIC42506L
			2100 m	VDIC52506L
			Cut to length	VDIC52506LM
P118458 P120002		OS1/OS2 9/125, Loose tube, 8 fibres	2100 m	VDIC52508L
			Cut to length	VDIC52508LM
P118455 P120003		OS1/OS2 9/125, Loose tube, 12 fibres	525 m	VDIC42512L
			2100 m	VDIC52512L
			Cut to length	VDIC52512LM
P118457 P120004		OS1/OS2 9/125, Loose tube, 24 fibres	525 m	VDIC42524L
			2100 m	VDIC52524L
			Cut to length	VDIC52524LM



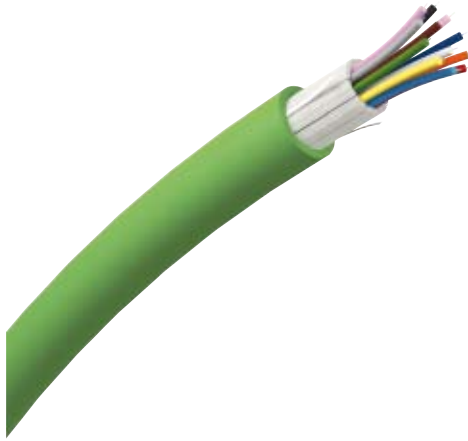


# Cables

## EMEAS

### Range Tight buffered

P118465



#### FL-C Tight buffered Fibre optic cables

##### Specifications

- Compact and universal cables suitable for indoor and specific outdoor installations:
- low Smoke Zero Halogen (LSZH) green coloured external sheath
- UV resistant
- dielectric
- high tensile strength
- rodent retardant
- longitudinally watertight
- Tight buffered gel-free cable construction with 900 µm coating
- Flame retardant according to IEC 60 332-1, EN 50 265 2.1, NF C 32 070 2.1 (Category C2). Fire retardant according to IEC 60 332-3 C, EN 50 266, NF C 32 070 2.2 (Category C1).

##### Performances

- OM2 50/125 compliant with ITU G.651, IEC 60793-2-10 Type A1a.1 and ISO/IEC 11801: 2011 Ed2.2 OM2
- OM3 50/125 compliant with ITU G.651, IEC 60793-2-10 Type A1a.2 and ISO/IEC 11801: 2011 Ed2.2 OM3
- OM4 50/125 compliant with IEC 60793-2-10 Type A1a.3, ISO/IEC 11801: 2011 Ed2.2 OM4
- OS1/OS2 9/125 compliant with ITU G.652.D, IEC 60793-2-50 Type B1.3, ISO/IEC 11801: 2011 Ed2.2 OS2
- Cable mechanical characteristics tested according to IEC 60794-1.

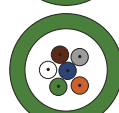
##### Use

- High data rate fibre optic backbones for building and campus
- Horizontal cable (FTTD Fibre to the desk) with the 2 fibres
- Suitable for direct termination: installation with connectors (prefibred, cold-cured and/or heat-cured types).

P118462  
P120005



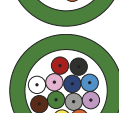
P118463  
P120006



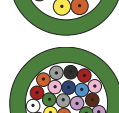
P118464  
P120007



P118465  
P120008



P118466  
P120009



#### OM2 50/125 µm

Type	Length	Ref. No
Optic cable Indoor/outdoor OM2 50/125 µm multimode fibres, green overall jacket.		
OM2 50/125, Tight buffered, 4 fibres	2100 m	VDIC52204T
	Cut to length	VDIC52204TM
OM2 50/125, Tight buffered, 6 fibres	525 m	VDIC42206T
	2100 m	VDIC52206T
	Cut to length	VDIC52206TM
OM2 50/125, Tight buffered, 8 fibres	2100 m	VDIC52208T
	Cut to length	VDIC52208TM
OM2 50/125, Tight buffered, 12 fibres	525 m	VDIC42212T
	2100 m	VDIC52212T
	Cut to length	VDIC52212TM
OM2 50/125, Tight buffered, 24 fibres	525 m	VDIC42224T
	2100 m	VDIC52224T
	Cut to length	VDIC52224TM

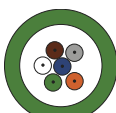




P118461  
P120010



P118463  
P120006



P118465  
P120008



P118466  
P120009



#### OM3 50/125 µm

**Type** **Length** **Ref. No**

Optic cable Indoor/outdoor OM3 50/125 µm multimode fibres, green overall jacket.

OM3 50/125, Tight buffered, 2 fibres	525 m	VDIC42302T
	2100 m	VDIC52302T
	Cut to length	VDIC52302TM
OM3 50/125, Tight buffered, 6 fibres	525 m	VDIC42306T
	2100 m	VDIC52306T
	Cut to length	VDIC52306TM
OM3 50/125, Tight buffered, 12 fibres	525 m	VDIC42312T
	2100 m	VDIC52312T
	Cut to length	VDIC52312TM
OM3 50/125, Tight buffered, 24 fibres	525 m	VDIC42324T
	2100 m	VDIC52324T
	Cut to length	VDIC52324TM

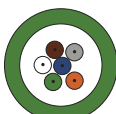
#### OM4 50/125 µm

**Type** **Length** **Ref. No**

Optic cable indoor/outdoor, OM4 50/125 µm multimode fibres, green overall jacket.

OM4 50/125, Tight buffered, 6 fibres	2100 m	VDIC52406T
	Cut to length	VDIC52406TM
OM4 50/125, Tight buffered, 12 fibres	2100 m	VDIC52412T
	Cut to length	VDIC52412TM
OM4 50/125, Tight buffered, 24 fibres	2100 m	VDIC52424T
	Cut to length	VDIC52424TM

P118463  
P120006



P118465  
P120008



P118466  
P120009



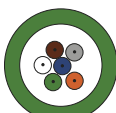
#### OS1/OS2 9/125 µm

**Type** **Length** **Ref. No**

Optic cable indoor/outdoor, OS1/OS2 9/125 µm single-mode fibres, green overall jacket.

OS1/OS2 9/125, Tight buffered, 6 fibres	525 m	VDIC42506T
	2100 m	VDIC52506T
	Cut to length	VDIC52506TM
OS1/OS2 9/125, Tight buffered, 12 fibres	525 m	VDIC42512T
	2100 m	VDIC52512T
	Cut to length	VDIC52512TM
OS1/OS2 9/125, Tight buffered, 24 fibres	525 m	VDIC42524T
	2100 m	VDIC52524T
	Cut to length	VDIC52524TM

P118463  
P120006



P118465  
P120008



P118466  
P120009





# Cables

## APAC

### Indoor building cables, LSZH

#### Indoor duct cables

The Actassi indoor building cable is designed to provide superior optical performance. These flexible, flame retardant cables are for use indoors. All cables use high quality single-mode or multi-mode fibres. Each fibre is coated to 900 microns with durable, protective material. buffers are colour-coded. The buffered fibres are surrounded by aramid yarns for strength, and are covered with Low Smoke Zero Halogen (LSZH) sheath to meet tough emission control.

#### Product features

- High quality and compact design
- Small diameter and bend radius
- Compliant with Bellcore GR-409-core and ANSI/TIA/EIA-568C, ISO/IEC 11801 standards.

#### Customer benefits

- Easy to terminate
- Easy installation in space constrained area.

#### General specifications

##### Fibre selections

Single-mode	OS2, BISMF (bend-insensitive G.657A2)
Multi-mode	OM1, OM2, OM3, OM4

##### Cable sheath colours

Single-mode	Yellow
Multi-mode	Orange (OM1, OM2) Aqua (OM3, OM4)

TBO-5MPPVC\_TightBendFidig



ACTNDB04SM9FR

#### Description

#### Ref. No

Indoor building, xx-core, 9/125 µm single-mode OS2, LSZH	<b>ACTNDxxSM9LS</b>
Indoor building, xx-core, 9/125 µm single-mode bend-insensitive, LSZH	<b>ACTNDxxSMBLS</b>
Indoor building, xx-core, 62.5/125 µm multi-mode OM1, LSZH	<b>ACTNDxxMM6LS</b>
Indoor building, xx-core, 50/125 µm multi-mode OM2, LSZH	<b>ACTNDxxMM5LS</b>
10G Indoor building, xx-core, 50/125 µm multi-mode OM3, LSZH	<b>ACTNDTGxxMMLS</b>
100G Indoor building, xx-core, 50/125 µm multi-mode OM4, LSZH	<b>ACTNDxxMM5XLS</b>

Where **xx** denotes fibre counts (e.g. 02/04/06/08/12/16/24/48).



# Cables

## APAC

### Indoor/outdoor LSZH duct cables

The Actassi indoor/outdoor LSZH cable is a Low Smoke Zero Halogen (LSZH) cable that provides excellent anti-flame performance. The need for splicing between indoor and outdoor cables can be eliminated. The tubes are surrounded by aramid yarns and are covered by a low smoke, flame-retardant jacket for protection. A direct outdoor to indoor transition can be completed with this single cable.

The indoor/outdoor LSZH cable passed the following tests:

- IEC 754 part 3, acidity/corrosively based on pH and conductivity measurements
- IEC 332 part 3, flammability and fire retardant
- NES 713, toxicity index
- IEC 1034, smoke emissions.

#### Product features

- Complies with ANSI/TIA/EIA-568-C, ISO/IEC11801 standards
- All dielectric self-supporting fibre
- Filled with water-resistant filling compound
- LSZH or PE rated.

#### Customer benefits

- Supports 100 Gigabit ethernet application
- Suitable for indoor/outdoor or inter/intra building backbones installation
- Water-blocking
- Excellent anti-flame performance.

ID06SM1LSZH\_IndoorLSZHBlg2



ACTNUD04MM5LS

Description	Ref. No
Indoor/outdoor, xx-core, 9/125 µm single-module OS2, LSZH	<b>ACTNUDxxSM9LS</b>
Indoor/outdoor, xx-core, 9/125 µm single-module bend-insensitive, LSZH	<b>ACTNUDxxSM9BLS</b>
Indoor/outdoor, xx-core, 62.5/125 µm multi-module OM1, LSZH	<b>ACTNUDxxMM6LS</b>
Indoor/outdoor, xx-core, 50/125 µm multi-module OM2, LSZH	<b>ACTNUDxxMM5LS</b>
10G Indoor/outdoor, xx-core, 50/125 µm multi-module OM3, LSZH	<b>ACTNUDxxMM5TLS</b>
100G Indoor/outdoor, xx-core, 50/125 µm multi-module OM4, LSZH	<b>ACTNUDxxMM5XLS</b>

Note: where **xx** denotes fibre counts (e.g. 04/06/08/12/16/24).

Indoor/outdoor, xx-core, 9/125 µm single-module OS2, PE	<b>ACTNUDxxSM9PE</b>
Indoor/outdoor, xx-core, 9/125 µm single-module bend-insensitive, PE	<b>ACTNUDxxSM9BPE</b>
Indoor/outdoor, xx-core, 62.5/125 µm multi-module OM1, PE	<b>ACTNUDxxMM6PE</b>
Indoor/outdoor, xx-core, 50/125 µm multi-module OM2, PE	<b>ACTNUDxxMM5PE</b>
10G Indoor/outdoor, xx-core, 50/125 µm multi-module OM3, PE	<b>ACTNUDxxMM5TPE</b>
100G Indoor/outdoor, xx-core, 50/125 µm multi-module OM4, PE	<b>ACTNUDxxMM5XPE</b>

Note: where **xx** denotes fibre counts (e.g. 04/06/08/12/16/24).



# Cables

## APAC

### Unitube non-armoured cables

#### Duct, Aerial cables

The Actassi unitube non-armoured cable is housed in a loose tube made of a high modulus plastic. The tube is filled with a water-resistant filling compound. Over the tube, water-blocking material is applied to keep the cable watertight. Two parallel steel wires are placed at the two sides of the cable. The cable is covered with a polyethylene (PE) sheath.

#### Product features

- Accurate fibre excess length
- High strength loose tube
- Two parallel steel wires
- PE sheath
- Small diameter, lightweight and hassle-free installation
- Long delivery length.

#### Customer benefits

- Accurate fibre excess length ensures good mechanical and temperature performance
- High strength loose tube is hydrolysis resistant and special tube filling compound ensures critical protection of fibre
- Two parallel steel wires ensure tensile strength
- PE sheath protects cable from ultraviolet radiation
- Flame retardant sheath protects cable from fire.

UTNA02SM9\_UnitubeNonArm



ACTUDUTNA04SM9

Description	Ref. No
Unitube non-armoured, xx-core, 9/125 µm single-module OS2, PE	<b>ACTUDUTNAxxSM9</b>
Unitube non-armoured, xx-core, 9/125 µm single-module bend-insensitive, PE	<b>ACTUDUTNAxxSM9B</b>
Unitube non-Armoured, xx-core, 62.5/125 µm multi-module OM1, PE	<b>ACTUDUTNAxxMM6</b>
Unitube non-armoured, xx-core, 50/125 µm multi-module OM2, PE	<b>ACTUDUTNAxxMM5</b>
10G Unitube non-armoured, xx-core, 50/125 µm multi-module OM3, PE	<b>ACTUDUTNAxxMM5T</b>
100G Unitube non-armoured, xx-core, 50/125 µm multi-module OM4, PE	<b>ACTUDUTNAxxMM5X</b>

Where xx denotes fibre counts (e.g. 04/06/08/12/16/24).





# Cables

## APAC

### Unitube light-armoured cables

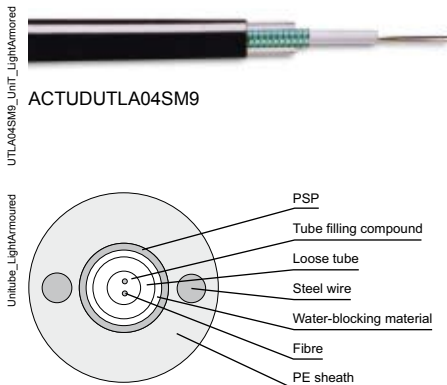
The Actassi Unitube light-armoured cable features a loose tube, made of a high modulus plastic. The tube is filled with a water-resistant filling compound and is longitudinally wrapped with a layer of Polyethylene Steel Polyethylene (PSP). Between the PSP and the loose tube, water-blocking material is applied to keep the cable compact and watertight. Two parallel steel wires are placed at the two sides of the steel tape. The cable is covered with a polyethylene (PE) sheath.

#### Product features

- Accurate fibre excess length
- High strength loose tube
- Specially designed compact structure and PE sheath
- Crush resistant and flexible
- PSP enhances the cable's crush-resistance, impact-resistance and moisture-proofing
- Two parallel steel wires ensure tensile strength
- Small diameter, lightweight and hassle-free installation
- Long delivery length

#### Customer benefits

- Accurate fibre excess length ensures good mechanical and temperature performance.
- High strength loose tube is hydrolysis resistant and special tube filling compound ensures critical protection of fibre.
- Specially designed compact structure prevents loose tubes from shrinking.
- PE sheath protects cable from ultra-violet radiation.
- Flame-retardant sheath protects cable from fire.



Description	Ref. No
Unitube light-armoured, xx-core, 9/125 µm single-module OS2, PE	<b>ACTUDUTLAxxSM9</b>
Unitube light-armoured, xx-core, 9/125 µm single-module bend-insensitive, PE	<b>ACTUDUTLAxxSM9B</b>
Unitube light-armoured, xx-core, 62.5/125 µm multi-module OM1, PE	<b>ACTUDUTLAxxMM6</b>
Unitube light-armoured, xx-core, 50/125 µm multi-module OM2, PE	<b>ACTUDUTLAxxMM5</b>
10G Unitube light-armoured, xx-core, 50/125 µm multi-module OM3, PE	<b>ACTUDUTLAxxMM5T</b>
100G Unitube light-armoured, xx-core, 50/125 µm multi-module OM4, PE	<b>ACTUDUTLAxxMM5X</b>

Where **xx** denotes fibre counts (e.g. 04/06/08/12/16/24).



# Cables

## APAC

### Stranded loose tube light-armoured

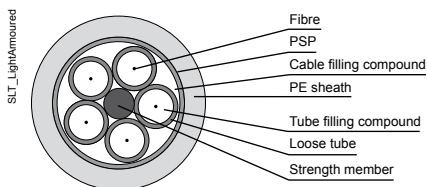
The Actassi Stranded loose tube light-armoured cable is housed in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A steel wire, sheathed with polyethylene (PE) is used for cables with high fibre counts and is located in the core centre to act as a metallic strength member. Tubes and fillers are stranded around the strength member into a compact and circular cable core. Polyethylene Steel Polyethylene (PSP) is longitudinally applied over the cable core, and the core is then filled with a filling compound to protect it from water ingress. The cable is covered with a PE sheath.

#### Product features

- Accurate fibre excess length
- High strength loose tube
- Specially designed compact structure
- Crush resistant and flexible
- Tight water-resistant measures - steel wire used as central strength member, loose tube filling compound, 100 % cable core filling, PSP enhancing moisture-proofing and water-blocking material.

#### Customer benefits

- Accurate fibre excess length ensures good mechanical and temperature performance
- High strength loose tube is hydrolysis resistant and special tube filling compound ensures critical protection of fibre
- Specially designed compact structure prevents loose tubes from shrinking.



Description	Ref. No
Stranded loose tube light-armoured, xx-core, 9/125 µm single-module OS2, PE	<b>ACTUDSLLAxxSM9</b>
Stranded loose tube light-armoured, xx-core, 9/125 µm single-module bend-Insensitive, PE	<b>ACTUDSLLAxxSM9B</b>
Stranded loose tube light-armoured, xx-core, 62.5/125 µm multi-module OM1, PE	<b>ACTUDSLLAxxMM6</b>
Stranded loose tube light-armoured, xx-core, 50/125 µm multi-module OM2, PE	<b>ACTUDSLLAxxMM5</b>
10G Stranded loose tube light-armoured, xx-core, 50/125 µm multi-module OM3, PE	<b>ACTUDSLLAxxMM5T</b>
100G Stranded loose tube light-armoured, xx-core, 50/125 µm multi-module OM4, PE	<b>ACTUDSLLAxxMM5X</b>

Where **xx** denotes fibre counts (e.g. 04/06/08/12/16/24/30/36/48/72/96/144).





# Cables

## APAC

### Stranded loose tube armoured cables

The Actassi Stranded loose tube Armoured cable (with moisture barrier) is housed in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A steel wire, sheathed with polyethylene (PE) is used for cables with high fibre counts and is located in the core centre to act as a metallic strength member.

Tubes and fillers are stranded around the strength member into a compact and circular cable core. An Aluminium Polyethylene Laminate (APL) is applied around the cable core, which is then filled with filling compound to protect it from water-ingress. The cable core is covered with a thin PE inner sheath. After the Polyethylene Steel Polyethylene (PSP) is longitudinally applied over the inner sheath, the cable is covered with a PE outer sheath.

#### Product features

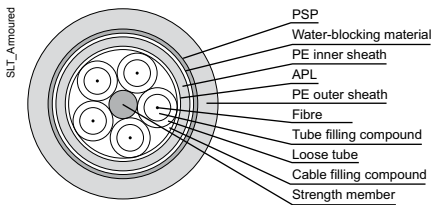
- Accurate fibre excess length
- High strength loose tube
- Specially designed compact structure
- Crush resistant and flexible
- Tight water-resistant measures - steel wire used as central strength member, loose tube filling compound, 100 % cable core filling, APL moisture barrier, PSP enhanced moisture-proofing and water-blocking material.

#### Customer benefits

- Accurate fibre excess length ensures good mechanical and temperature performance
- High strength loose tube is hydrolysis resistant and special tube filling compound ensures critical protection of fibre
- Specially designed compact structure prevents loose tubes from shrinking.



ACTUDSLAM04SM9



Description	Ref. No
Stranded loose armoured, xx-core, 9/125 µm single-module OS2, PE	<b>ACTUDSLAMxxSM9</b>
Stranded loose armoured, xx-core, 9/125 µm single-module bend-insensitive, PE	<b>ACTUDSLAMxxSM9B</b>
Stranded loose armoured, xx-core, 62.5/125 µm multi-module OM1, PE	<b>ACTUDSLAMxxMM6</b>
Stranded loose armoured, xx-core, 50/125 µm multi-module OM2, PE	<b>ACTUDSLAMxxMM5</b>
10G Stranded loose armoured, xx-core, 50/125 µm multi-module OM3, PE	<b>ACTUDSLAMxxMM5T</b>
100G Stranded loose armoured, xx-core, 50/125 µm multi-module OM4, PE	<b>ACTUDSLAMxxMM5X</b>

Where **xx** denotes fibre counts (e.g. 04/06/08/12/16/24/30/36/48/72/96/144).

# Actassi FL-MLink Pre-terminated solution

EMEAS



## Answering to your quick deployment and high reliability need

Actassi Pre-terminated solution is a new Schneider Electric solution for data centres and IT room applications, covering the following requirements:

### 100 %

pre-assembled and pre-tested in factory.

#### High density and performance for data centres

- Up to 96 ports in 1U, up to 576 fibres
- MTP connector: MPO technical evolution which guarantees better robustness
- OM3, OM4, OS2, Bend Insensitive, Indoor/Outdoor
- Fan out splitter protections
- Ready to support 10 G, 40 G and 100 G performances
- Fully compliant to following international standards

#### High security for your network

- Complete plug & play systems
- Pre-equipped cassettes, panels, standard and cassettes all types of links
- Expertise: factory 100 % pre-assembled and 100 % pre-tested
- On demand length to adjust to end user needs

#### Time secured for installation on site

- Delivery secured
- x3 faster installation compared to standard optic offer: save connection time on site, only deploy links and then reduce human intervention on site

#### Scalable and adaptable

- Pay as you grow
- Make your data centre evolve according to your needs
- Extensions possible thanks to on demand links

#### Energy efficient thanks to "Green environment"

- Fibre use
- Reduce up to 90 % of waste on site



P111047



Plug & play fibre optic solution.

**Panel for cassette**

- Empty sliding panel 1U, 19"
- Depth 257 mm
- Unit packaging
- Painting Epoxy RAL 9005 - Black color
- Provided with 2 cage nuts M6 compatible with perforations 8.5 x 8.5 mm and 9.5 x 9.5 mm.

**Overhead support for cassette**

- Fixing under cable tray / mesh tray
- Passive optic network easy to relocate, bring flexibility in data centre
- Compliant with all cassettes VDILC\*
- Unit packaging
- Painting Epoxy RAL 9005 - Black color
- Provided with 2 fixation screws.

**Sealing plate**

- Metallic face plate 1U and 1/2U
- Easy mounting on panels
- Obturation for cassette (1U) or half size (1/2U)
- Unit packaging
- Painting Epoxy RAL 9005 - Black color
- Provided with 2 screws with unloosable screws.

**MTP adapters**

- 1U support equipped with MTP adapters
- Use for connectors MTP 12 and 24 fibres
- Mounted on cassettes and overhead patch support for cassettes
- Each adapter is equipped with cap.

**MTP adapters cont.**

- Color code with adapters:
  - OM3: aqua
  - OM4: magenta
  - OS2: green
- Unit packaging
- Painting Epoxy RAL 9005 - Black color
- Provided with 2 fixation screws.

**Cleaning tools**

- Optic connectors have to be cleaned before any use for connections in order to ensure the best optic performance.
- Cleaning tools mandatory for SC, LC ou MTP connectors
- Cleaning in 1 action, Clean all type of residual
- More than 500 cleaning use for 1 single cleaning tool
- Adaptation for adapters
- RoHS compliant
- Unit packaging.

**Demo kit**

- Aluminium pack
- Pack equipped with:
  - 1 optic panel equipped 96 LCq / 4\*24 MTP
  - 1 cassette 6\*24 MTP pre-terminated 6\*24 MTP - 2 meters
  - 1 link 24 LC preterminated 1\*24 MTP - 2 meters
  - 1 tool MTP
- Dimensions: 550 x 430 x 195 mm
- Unit packaging.

**Empty panels and accessories**

Type	Ref. No
Empty panel 1U 19" for 4 cassettes or 8 half size cassettes	<b>VDILP3</b>
Overhead panel for 1 cassette 257 mm	<b>VDILP5</b>
Sealing plate 1 slot 1U for VDILP3	<b>VDILA1</b>
Sealing plate 1 slot 1/2U for VDILP3	<b>VDILA2</b>
Plate equipped with 6 adapters MTP OM3 for VDILP3	<b>VDILA33</b>
Plate equipped with 6 adapters MTP OM4 for VDILP3	<b>VDILA34</b>
Plate equipped with 6 adapters MTP OS2 for VDILP3	<b>VDILA36</b>
Cleaning tool LC	<b>VDILA501</b>
Cleaning tool SC	<b>VDILA503</b>
Cleaning tool MTP	<b>VDILA504</b>
Demo kit	<b>VDILA4</b>

P140772







### Optic panels pre-connectorized SC/LC/LCq to MTP

#### Specifications

- Metallic panels equipped with optic connectors pre-connectorized in factory
- 48 ports (SC or LC) and 96 ports (LCq) in 1U
- Depth 270 mm
- Pre-Tested panels in factory. Traceability per serial number
- Closed panels and equipped panels with immunity labels
- Color code with SC/LC/LCq adapters:
  - OM3: aqua
  - OM4: magenta
  - OS2: bleu
- MTP at the rear with 12 or 24 ports
- Color code MTP adapters:
  - OM3: aqua
  - OM4: magenta
  - OS2: vert
- Optic Standards: ANSI/TIA-568-C.0-2-2012
- Unit packaging
- Epoxy RAL 9005 - Black color
- Provided with 2 cage nuts M6 compatible with perforations 8.5 x 8.5 mm and 9.5 x 9.5 mm
- Transparent SC connector to ease testing
- Male MTP connector by default, female MTP connector is also available upon request
- Low loss connector is available upon request.

#### Performances

- Optic Standards: ANSI/TIA-568-C.0-2-2012
- OM3, OM4, OS2.

Pre equipped fibre panel SC / LC / LCq to MTPm				
Performance	Connector		MTP	Ref. No
	Type	Number		
OM3	LC	48	2 x 24	<b>VDILP131S5L</b>
			4 x 12	<b>VDILP131S5F</b>
	LCq	96	4 x 24	<b>VDILP132U5N</b>
			8 x 12	<b>VDILP132U5H</b>
	SC	48	2 x 24	<b>VDILP133S5L</b>
			4 x 12	<b>VDILP133S5F</b>
OM4	LC	48	2 x 24	<b>VDILP141S5L</b>
			4 x 12	<b>VDILP141S5F</b>
	LCq	96	4 x 24	<b>VDILP142U5N</b>
			8 x 12	<b>VDILP142U5H</b>
	SC	48	2 x 24	<b>VDILP143S5L</b>
			4 x 12	<b>VDILP143S5F</b>
OS2	LC	48	2 x 24	<b>VDILP161S5L</b>
			4 x 12	<b>VDILP161S5F</b>
	LCq	96	4 x 24	<b>VDILP162U5N</b>
			8 x 12	<b>VDILP162U5H</b>
	SC	48	2 x 24	<b>VDILP163S5L</b>
			4 x 12	<b>VDILP163S5F</b>



P140773





## Pre-connectorized optic cassette SC/LC to MTP

### Specifications

- Pre-terminated optic cassettes enable architecture evolution according to your needs -> Pays as you grow
- Metallic cassettes are 100 % pre-equipped and pre-tested with optic connectors at factory site
- Optic cassettes 12 and 24 ports in 1U
- Optic cassettes 12 ports in 1/2U
- Traceability per serial number
- Cassettes can be mounted in cassette panel VDILP3 (4 cassettes capacity) and in overhead support VDILP5 (1 cassette capacity)
- Color code with SC/LC/LCq adapters:
  - OM3: aqua
  - OM4: magenta
  - OS2: blue
- MTP at the rear with 12 or 24 ports
- Color code MTP adapters:
  - OM3: aqua
  - OM4: magenta
  - OS2: green
- Optic Standards: ANSI/TIA-568-C.0-2-2012
- Unit packaging
- Epoxy RAL 9005 - Black color
- Provided with 2 fixation screws
- Transparent SC connector to ease testing
- Male MTP connector by default, female MTP connector is also available upon request
- Low loss connector is available upon request.

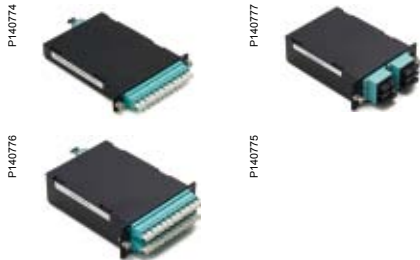
### Performances

- Optic Standards: ANSI/TIA-568-C.0-2-2012
- OM3, OM4, OS2.

### Cassette MTP preterminated LC or SC

Performance	Connector		MTP	Ref. No
	Type	Number		
OM3	LC	12	1 x 12	VDILC135C1C*
			24	VDILC235C1C
			1 x 24	VDILC235K1K
	SC	12	2 x 12	VDILC235D1D
			1 x 12	VDILC235C3C
			1 x 12	VDILC145C1C*
OM4	LC	12	1 x 24	VDILC245C1C
			24	VDILC245K1K
			1 x 24	VDILC245D1D
	SC	12	2 x 12	VDILC245D1D
			1 x 12	VDILC245C3C
			1 x 12	VDILC245C1C*
OS2	LC	12	1 x 12	VDILC165C1C*
			24	VDILC265C1C
			1 x 24	VDILC265K1K
	SC	12	2 x 12	VDILC265D1D
			1 x 12	VDILC265C3C
			1 x 12	VDILC265C1C*

\* Cassette half size (1/2U)





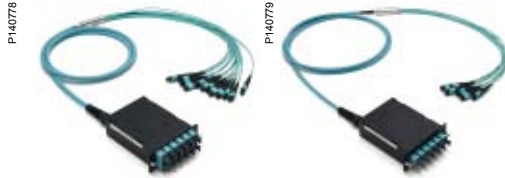
# Pre-terminated solution

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## Pre-Terminated Link Configurations with Cassettes, Cables, Fibre Optic connectors

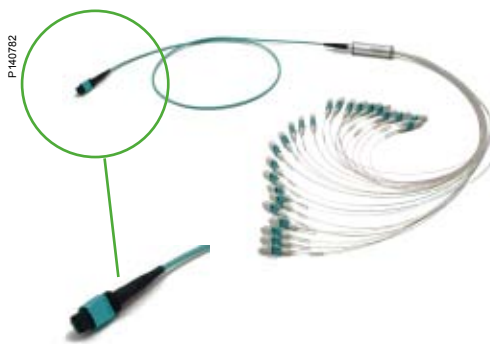
- Metallic Cassette RAL 9005 - Black color
- LSZH cable use - Indoor/Outdoor - Bend insensitive
- LC/SC/MTP connectors.



Cassette MTPm preterminated MTPm			
Performance	Connector		Ref. No (xxx: length in meters)
	MTP	MTP	
OM3	12 x 12	12 x 12	VDILC435J5J0xxx
	6 x 12	6 x 12	VDILC435G5G0xxx
	6 x 24	6 x 24	VDILC435P5P0xxx
OM4	12 x 12	12 x 12	VDILC445J5J0xxx
	6 x 12	6 x 12	VDILC445G5G0xxx
	6 x 24	6 x 24	VDILC445P5P0xxx
OS2	12 x 12	12 x 12	VDILC465J5J0xxx
	6 x 12	6 x 12	VDILC465G5G0xxx
	6 x 24	6 x 24	VDILC465P5P0xxx



Cassette MTPm preterminated cassette MTPm			
Performance	Connector		Ref. No (xxx: length in meters)
	MTP	MTP	
OM3	12 x 12	12 x 12	VDILC335J5J0xxx
	6 x 12	6 x 12	VDILC335G5G0xxx
	6 x 24	6 x 24	VDILC335P5P0xxx
OM4	12 x 12	12 x 12	VDILC345J5J0xxx
	6 x 12	6 x 12	VDILC345G5G0xxx
	6 x 24	6 x 24	VDILC345P5P0xxx
OS2	12 x 12	12 x 12	VDILC365J5J0xxx
	6 x 12	6 x 12	VDILC365G5G0xxx
	6 x 24	6 x 24	VDILC365P5P0xxx



### Specifications

- MTP connectors are MPO connectors with more performance
- MTP connectors answers to standards IEC 61754-7 et TIA-604-5 and are compatible with MPO connectors.

### Benefits

- High density in 1U up to 576 optic fibres
- Easy deployment of network architecture in your data centre
- Congestion in racks reduced by 70 %.





# Pre-terminated solution

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Cassette LC or SC pre-terminated cassette LC or SC						
Performance	Connector		Connector		Ref. No (xxx: length in meters)	
	Type	Number	Type	Number		
OM3	LC	6	LC	6	VDILC331A1A0xxx	
			SC		VDILC331A3A0xxx	
		12	LC	12	VDILC331C1C0xxx	
			SC		VDILC331C3C0xxx	
		24	LC	24	VDILC331K1K0xxx	
	SC	6	SC	6	VDILC333A3A0xxx	
			12	12	VDILC333C3C0xxx	
	OM4	LC	6	LC	6	VDILC341A1A0xxx
				SC		VDILC341A3A0xxx
			12	LC	12	VDILC341C1C0xxx
				SC		VDILC341C3C0xxx
24			LC	24	VDILC341K1K0xxx	
SC		6	SC	6	VDILC343A3A0xxx	
			12	12	VDILC343C3C0xxx	
OS2		LC	6	LC	6	VDILC361A1A0xxx
				SC		VDILC361A3A0xxx
			12	LC	12	VDILC361C1C0xxx
				SC		VDILC361C3C0xxx
	24		LC	24	VDILC361K1K0xxx	
	SC	6	SC	6	VDILC363A3A0xxx	
			12	12	VDILC363C3C0xxx	



# Pre-terminated solution

## EMEAS

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### Cassette LC/SC preterminated LC/SC

Performance	Connector				Ref. No (xxx: length in meters)		
	Type	Number	Type	Number			
OM3	LC	6	LC	6	VDILC431A1A0xxx		
			SC		VDILC431A3A0xxx		
		12	LC	12	VDILC431C1C0xxx		
			SC		VDILC431C3C0xxx		
		24	LC	24	VDILC431K1K0xxx		
			SC		VDILC431K3K0xxx		
	SC	6	LC	6	VDILC433A1A0xxx		
			SC		VDILC433A3A0xxx		
		12	LC	12	VDILC433C1C0xxx		
			SC		VDILC433C3C0xxx		
		OM4	LC	6	LC	6	VDILC441A1A0xxx
					SC		VDILC441A3A0xxx
12	LC			12	VDILC441C1C0xxx		
	SC				VDILC441C3C0xxx		
24	LC			24	VDILC441K1K0xxx		
	SC				VDILC441K3K0xxx		
SC	6		LC	6	VDILC443A1A0xxx		
			SC		VDILC443A3A0xxx		
	12		LC	12	VDILC443C1C0xxx		
			SC		VDILC443C3C0xxx		
	OS2		LC	6	LC	6	VDILC461A1A0xxx
					SC		VDILC461A3A0xxx
12		LC		12	VDILC461C1C0xxx		
		SC			VDILC461C3C0xxx		
24		LC		24	VDILC461K1K0xxx		
		SC			VDILC461K3K0xxx		
SC		6	LC	6	VDILC463A1A0xxx		
			SC		VDILC463A3A0xxx		
		12	LC	12	VDILC463C1C0xxx		
			SC		VDILC463C3C0xxx		



P140787



### Trunk MTPf / MTPf

#### Specifications

- Female connector by default, male connector is available upon request
- Polarity C (other polarities is available upon request)

Performance	Connector		Ref. No (xxx: length in metres)
	MTP	MTP	
OM3	1 x 12	1 x 12	VDILL034C4C0xxx
		1 x 24	VDILL034K4K0xxx
	2 x 12	2 x 12	VDILL034K4D0xxx
			VDILL034D4D0xxx
OM4	1 x 12	1 x 12	VDILL044C4C0xxx
		1 x 24	VDILL044K4K0xxx
	2 x 12	2 x 12	VDILL044K4D0xxx
			VDILL044D4D0xxx
OS2	1 x 12	1 x 12	VDILL064C4C0xxx
		1 x 24	VDILL064K4K0xxx
	2 x 12	2 x 12	VDILL064K4D0xxx
			VDILL064D4D0xxx





# Pre-terminated solution

## EMEAS

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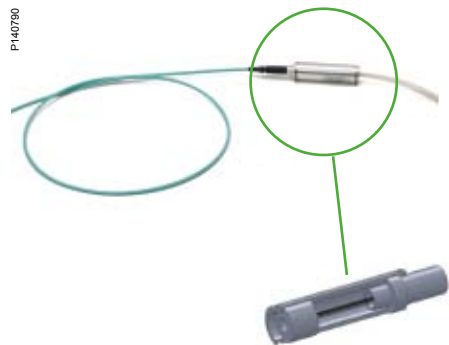
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P140789



P140790



Fanout MTPm / LC or SC					
Performance	Connector		MTP	Fibre	Ref. No (xxx: length in meters)
	Type	Number			
OM3	LC	12	1 x 12	2 mm	VDILL035C1C2xxx
				900 µm	VDILL035C1C1xxx
		24	1 x 24	2 mm	VDILL035K1K2xxx
				900 µm	VDILL035K1K1xxx
		2 x 12	2 mm	2 mm	VDILL035D1K2xxx
				900 µm	VDILL035D1K1xxx
	SC	12	1 x 12	2 mm	VDILL035C3C2xxx
				900 µm	VDILL035C3C1xxx
		24	1 x 24	2 mm	VDILL035K3K2xxx
				900 µm	VDILL035K3K1xxx
		2 x 12	2 mm	2 mm	VDILL035D3K2xxx
				900 µm	VDILL035D3K1xxx
OM4	LC	12	1 x 12	2 mm	VDILL045C1C2xxx
				900 µm	VDILL045C1C1xxx
		24	1 x 24	2 mm	VDILL045K1K2xxx
				900 µm	VDILL045K1K1xxx
		2 x 12	2 mm	2 mm	VDILL045D1K2xxx
				900 µm	VDILL045D1K1xxx
	SC	12	1 x 12	2 mm	VDILL045C3C2xxx
				900 µm	VDILL045C3C1xxx
		24	1 x 24	2 mm	VDILL045K3K2xxx
				900 µm	VDILL045K3K1xxx
		2 x 12	2 mm	2 mm	VDILL045D3K2xxx
				900 µm	VDILL045D3K1xxx
OS2	LC	12	1 x 12	2 mm	VDILL065C1C2xxx
				900 µm	VDILL065C1C1xxx
		24	1 x 24	2 mm	VDILL065K1K2xxx
				900 µm	VDILL065K1K1xxx
		2 x 12	2 mm	2 mm	VDILL065D1K2xxx
				900 µm	VDILL065D1K1xxx
	SC	12	1 x 12	2 mm	VDILL065C3C2xxx
				900 µm	VDILL065C3C1xxx
		24	1 x 24	2 mm	VDILL065K3K2xxx
				900 µm	VDILL065K3K1xxx
		2 x 12	2 mm	2 mm	VDILL065D3K2xxx
				900 µm	VDILL065D3K1xxx

### Offering 2 methods for fibre optic split for fan out configurations

A lot of link configurations exist, they are proposed with 2 different ways for splitting:

- Traditional method with heat-shrinkable girdle
- Advanced method with metallic splitter
- Universal for all type of cables:
  - tight buffered structure
  - 250 µm unitube
  - 900 µm tight buffered
- Metallic splitter advantages are:
  - Fibre protection per metallic splitter, Re-sheathing in 2.0 mm possible, fibres without congestion and stress
  - Less cable and less mesh tray needed thanks to diameter reduction
  - Links easy to deploy thanks to bend radius reduction
- Applicable on all type of cables.



# Pre-terminated solution

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P140793



Traditional link LC or SC								
Performance	Connector		Fibre	Ref. No (xxx: length in meters)				
	Type	Number						
OM3	LC	6	LC	6	900 µm	VDILL031A1A3xxx		
			SC		900 µm	VDILL031A3A3xxx		
		12	LC	12	900 µm	VDILL031C1C3xxx		
			SC		900 µm	VDILL031C3C3xxx		
		24	LC	24	900 µm	VDILL031K1K3xxx		
			SC		900 µm	VDILL031K3K3xxx		
	SC	6	SC	6	900 µm	VDILL033A3A3xxx		
			SC	12	900 µm	VDILL033C3C3xxx		
		12	SC	12	900 µm	VDILL033C3C3xxx		
			SC	24	900 µm	VDILL033K3K3xxx		
		OM4	LC	6	LC	6	900 µm	VDILL041A1A3xxx
					SC		900 µm	VDILL041A3A3xxx
12	LC			12	900 µm	VDILL041C1C3xxx		
	SC				900 µm	VDILL041C3C3xxx		
24	LC			24	900 µm	VDILL041K1K3xxx		
	SC				900 µm	VDILL041K3K3xxx		
SC	6		SC	6	900 µm	VDILL043A3A3xxx		
			SC	12	900 µm	VDILL043C3C3xxx		
	12		SC	12	900 µm	VDILL043C3C3xxx		
			SC	24	900 µm	VDILL043K3K3xxx		
	OS2		LC	6	LC	6	900 µm	VDILL061A1A3xxx
					SC		900 µm	VDILL061A3A3xxx
12		LC		12	900 µm	VDILL061C1C3xxx		
		SC			900 µm	VDILL061C3C3xxx		
24		LC		24	900 µm	VDILL061K1K3xxx		
		SC			900 µm	VDILL061K3K3xxx		
SC		6	SC	6	900 µm	VDILL063A3A3xxx		
			SC	12	900 µm	VDILL063C3C3xxx		
		12	SC	12	900 µm	VDILL063C3C3xxx		
			SC	24	900 µm	VDILL063K3K3xxx		





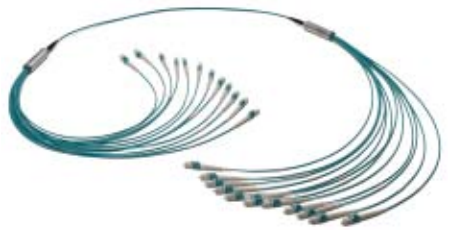
**Traditional link LC or SC with metallic splitter**

Performance	Connector				Fibre	Ref. No (xxx: length in meters)	
	Type	Number	Type	Number			
OM3	LC	12	LC	12	2 mm	VDILL031C1C2xxx	
						900 µm	VDILL031C1C1xxx
				SC		2 mm	VDILL031C3C2xxx
						900 µm	VDILL031C3C1xxx
			24	LC	24	2 mm	VDILL031K1K2xxx
						900 µm	VDILL031K1K1xxx
				SC		2 mm	VDILL031K3K2xxx
					900 µm	VDILL031K3K1xxx	
		SC	12	SC	12	2 mm	VDILL033C3C2xxx
						900 µm	VDILL033C3C1xxx
			24		24	2 mm	VDILL033K3K2xxx
						900 µm	VDILL033K3K1xxx
OM4	LC	12	LC	12	2 mm	VDILL041C1C2xxx	
						900 µm	VDILL041C1C1xxx
				SC		2 mm	VDILL041C3C2xxx
						900 µm	VDILL041C3C1xxx
			24	LC	24	2 mm	VDILL041K1K2xxx
						900 µm	VDILL041K1K1xxx
				SC		2 mm	VDILL041K3K2xxx
					900 µm	VDILL041K3K1xxx	
		SC	12	SC	12	2 mm	VDILL043C3C2xxx
						900 µm	VDILL043C3C1xxx
			24		24	2 mm	VDILL043K3K2xxx
						900 µm	VDILL043K3K1xxx
OS2	LC	12	LC	12	2 mm	VDILL061C1C2xxx	
						900 µm	VDILL061C1C1xxx
				SC		2 mm	VDILL061C3C2xxx
						900 µm	VDILL061C3C1xxx
			24	LC	24	2 mm	VDILL061K1K2xxx
						900 µm	VDILL061K1K1xxx
				SC		2 mm	VDILL061K3K2xxx
					900 µm	VDILL061K3K1xxx	
		SC	12	SC	12	2 mm	VDILL063C3C2xxx
						900 µm	VDILL063C3C1xxx
			24		24	2 mm	VDILL063K3K2xxx
						900 µm	VDILL063K3K1xxx

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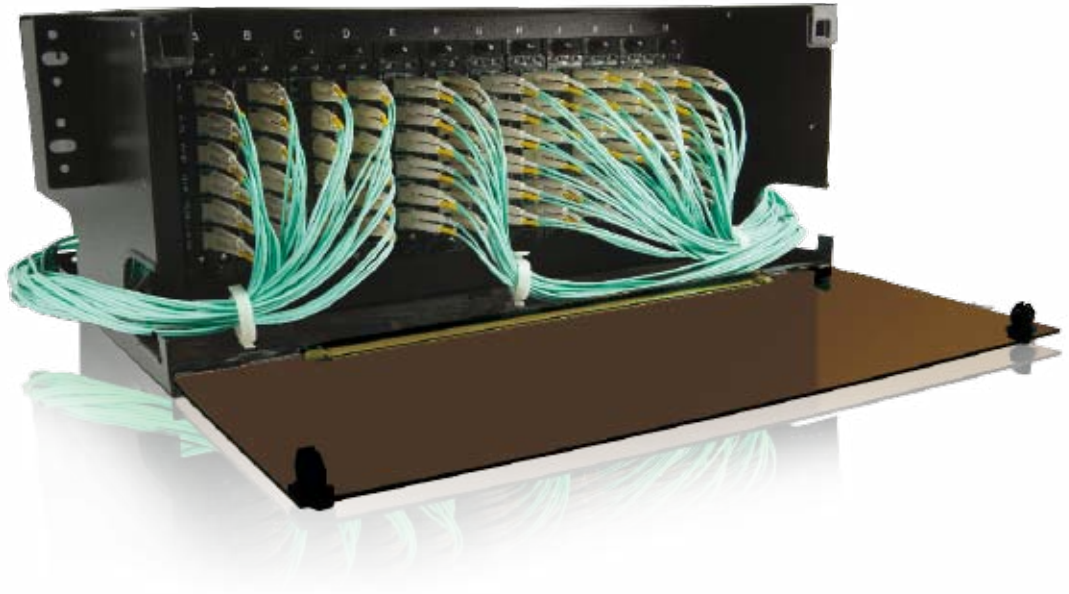


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# Actassi FL-MLink Pre-terminated solution

APAC

G18B4506\_small\_1



## Answering to your quick deployment and high reliability needs

Schneider Electric FL-MLink system is a pre-terminated optical fibre cabling system specifically designed to satisfy the increasing demand for high bandwidth and high density in data center network, enterprise building applications.

Factory-terminated solutions provide improved system performance; ensure component compatibility and consistent quality. The FL-MLink (MTP Brand) System significantly reduces installation time and cost by simplifying the process of deploying an optical network in the limited space environment, particularly in data center applications.



# 100 %

pre-assembled  
and pre-tested in  
factory.

## High density and performance for data centres

- > Up to 18 ports in 1U, up to 432 fibres
- > MTP connector: FL-MLink technical evolution which guarantees better robustness
- > OM3, OM4, OS2, Bend Insensitive, Indoor/Outdoor
- > Fan out splitter protections
- > 10 G ready. Ready to support future 40 G performances thanks to chosen polarity
- > Fully compliant to following international standards



Plug & play fibre  
optic solution.

## High security for your network

- > Complete plug & play systems
- > Pre-equipped cassettes, panels, standard and cassettes all types of links
- > Expertise: factory 100 % pre-assembled and 100 % pre-tested
- > On demand length to adjust to end user needs

## Time secured for installation on site

- > Delivery secured
- > x3 faster installation compared to standard optic offer: save connection time on site, only deploy links and then reduce human intervention on site

## Scalable and adaptable

- > Pay as you grow
- > Make your data centre evolve according to your needs
- > Extensions possible thanks to on demand links

## Energy efficient thanks to "Green environment"

- > Fibre use
- > Reduce up to 90 % of waste on site





# Pre-terminated solution

## APAC

### 19-HD fibre panel

Schneider Electric offers an innovative, robust 1U enclosure with sliding mechanism for 3 FL-MLink (MTP Brand) cassettes and 4U enclosure for 12 FL-MLink (MTP Brand) cassettes. It offers a flexible solution to customers, enabling them to incorporate a multi-functional enclosure which allow easy access during installation or maintenance, with no disturbance of existing cables.

This 19-HD fibre panel can fit MTP cassettes as pre-terminated solution or standard fibre adaptor plate for field-termination application.

To answer a higher density need, 19-HD+ fibre panel is also available, which can fit 4 HD+ MTP cassettes, supporting max. 96F MTP-LC pre-terminated solution.

#### Product features

- Fits 19" standard rack or cabinet
- Accommodate to all available FL-MLink (MTP Brand) cassettes
- 19-HD fibre panel also accommodate standard fibre adaptor plates (refer to page 168)
- Adjustable wiring ring for cable management
- Flexigrass front door with magnetic suction
- Cable gland with "U" rubber seal
- Compliant with EIA-310-D.

#### Customer benefits

- Support indoor applications for data centre, premise installations, telecommunication networks
- Easy to manage cable assemblies or fan-out cables
- Flexible to manage incoming trunk cables or cable assemblies.

C13B4596



Description	Ref. No
19-HD fibre panel, 1U, fits 3 MTP cassettes, unloaded	<b>ACTMP1U*</b>
19-HD+ fibre panel, 1U, fits 4 MTP cassettes, unloaded	<b>ACTMP1UH</b>
19-HD fibre panel, 4U, fits 12 MTP cassettes, unloaded	<b>ACTMP4U*</b>

(\*) Also accommodate standard fibre adaptor plates.



# Pre-terminated solution

## APAC MTP cassette

Schneider Electric FL-MLink (MTP brand) fibre cassette is a repaid and flexible plug and play cable management solution to improve cabling manageability.

Each fibre cassette is pre-installed with factory terminated and tested to assure quality on optical loss performance. The fibre cassette is flexible to be integrated into 1U/4U 19-HD fibre panel and 19-HD+ fibre panel, which support rapid deployment and reliable cable management of high density data centre infrastructure.

### Product features

- MTP (US Conec) brand MPO in standard compliant multi fibre connector
- Standard MTP cassettes and HD+ MTP cassettes for different density need
- Duplex LC adaptors faceplate
- OS2, OM3 and OM4 fibre available
- Factory terminated and tested
- Options of polarity (straight through, reversed pair flip)
- Compliant with TIA/EIA-568-C.3, ISO/IEC 11801
- Female MTP Connector by default, male MTP connector is also available upon request
- Low loss connector is available upon request.

### Customer benefits

- Simple installation and reconfiguration for Moves, Adds and Changes (MACs)
- High density easy-plug cassette (12-fibre per cassette as standard)
- Reduces labour cost and saves times on installation and testing
- Offer high precision and robust connectivity.

P9276528



ACTMMOT24xx

Description	Ref. No
MTP cassette, 12-core, LC duplex, single-mode OS2	<b>ACTMMOS12xx</b>
MTP cassette, 24-core, LC duplex, single-mode OS2	<b>ACTMMOS24xx</b>
MTP cassette, 12-core, LC duplex, multi-mode OM3	<b>ACTMMOT12xx</b>
MTP cassette, 24-core, LC duplex, multi-mode OM3	<b>ACTMMOT24xx</b>
MTP cassette, 12-core, LC duplex, multi-mode OM4	<b>ACTMMOG12xx</b>
MTP cassette, 24-core, LC duplex, multi-mode OM4	<b>ACTMMOG24xx</b>
Blank plate for ACTMP1U and ACTMP4U	<b>ACTMPBP</b>

Where **xx** denotes polarity (S: Straight through, F: pair Flipped, R: Reversed, RF: Reversed, pair Flipped).

Description	Ref. No
HD+ MTP cassette, 12-core, LC duplex, single-mode OS2	<b>ACTMMOS12xxH</b>
HD+ MTP cassette, 24-core, LC duplex, single-mode OS2	<b>ACTMMOS24xxH</b>
HD+ MTP cassette, 12-core, LC duplex, single-mode OM3	<b>ACTMMOT12xxH</b>
HD+ MTP cassette, 24-core, LC duplex, single-mode OM3	<b>ACTMMOT24xxH</b>
HD+ MTP cassette, 12-core, LC duplex, single-mode OM4	<b>ACTMMOG12xxH</b>
HD+ MTP cassette, 24-core, LC duplex, single-mode OM4	<b>ACTMMOG24xxH</b>
HD+ Blank plate for ACTMP1UH	<b>ACTMPBPH</b>

Where **xx** denotes polarity (S: Straight through, F: pair Flipped, R: Reversed, RF: Reversed, pair Flipped).





IMG\_9616



ACTMTMMT12LS055R

Schneider FL-MLink (MTP brand) trunk cables providing an effective way to install a large amount of cables quickly. It is especially suitable for the areas that require high density, rapid deployment and high performance such as Data Centre.

These high performance factory terminated and tested assemblies are pre-terminated 12-fibre or 24-fibre MTP connectors and offered in customer specific lengths. Normal fibre count is 12 or 24 (higher core counts up to 144 fibres are available upon special request) and fibre types OS2, OM3, OM4 are available for each installation need.

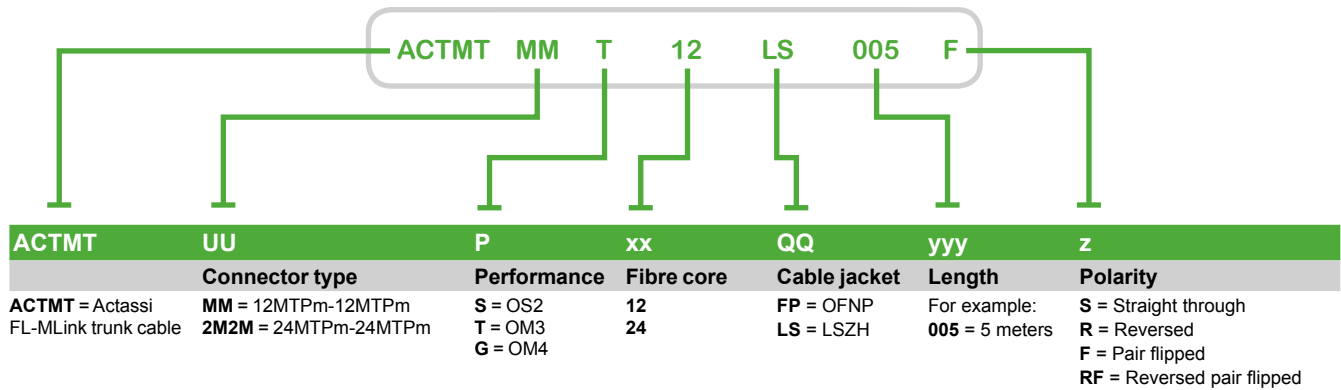
#### Product features

- Compliant TIA/EIA-568-C3, ISO/IEC 11801, TIA/EIA-604-5
- 100 % factory terminated and tested
- LSZH trunk cable are doubled jacket, best suitable for backbone installation
- Low loss MTP connectors are available upon request
- Options of polarity (straight through, reversed, pair flipped)
- Provide pulling eye at one end of the cable
- Label on the trunk cable for traceability
- Male MTP connector by default, female MTP connectors are available upon request.

#### Customer benefits

- 10G, 40G, 100G ready a reliable high density, high performance optic interconnections
- Quick and easy connection with MTP mechanism
- Low insertion loss and reflectance for cable
- No cable preparation is necessary
- Reduced on-site disruption and installation time
- Pulling eye design to fit for different installation environment
- Cost effective optic cabling solution.

#### Principle of reference numbers



e.g.:

- ACTMTMMT12LS005F = Actassi FL-MLink trunk cable, 12MTPm-12MTPm, OM3, 12-core, LSZH, 5 m, Polarity Pair-flipped
- ACTMTMMS24LS010R = Actassi FL-MLink trunk cable, 2x12MTPm-2x12MTPm, OS2, 24-core, LSZH, 10 m, Polarity Reversed
- ACTMT2M2MT24FP050S = Actassi FL-MLink trunk cable, 24MTPm-24MTPm, OM3, 24-core, OFNP, 50 m, Polarity Straight Through.



MTP-LC 12F Harness



ACTMHMLT20185F

Schneider Electric FL-MLink (MTP Brand) ruggedized harness fan-out assembly is ideal for short internal interconnection. They are used to directly interconnect MTP cassettes, panels or backbone. MTP assemblies with the active equipment, saving costly data centre rack space and easing fibre management.

MTP-MTP and MTP-LC harness / fan-out assemblies are offered in fibre count 12 or 24 fibres (higher fibre counts up to 144 are also available upon special requests) using a compact and suggested micro cable structure. The compact cables optimize pathway use and improve airflow.

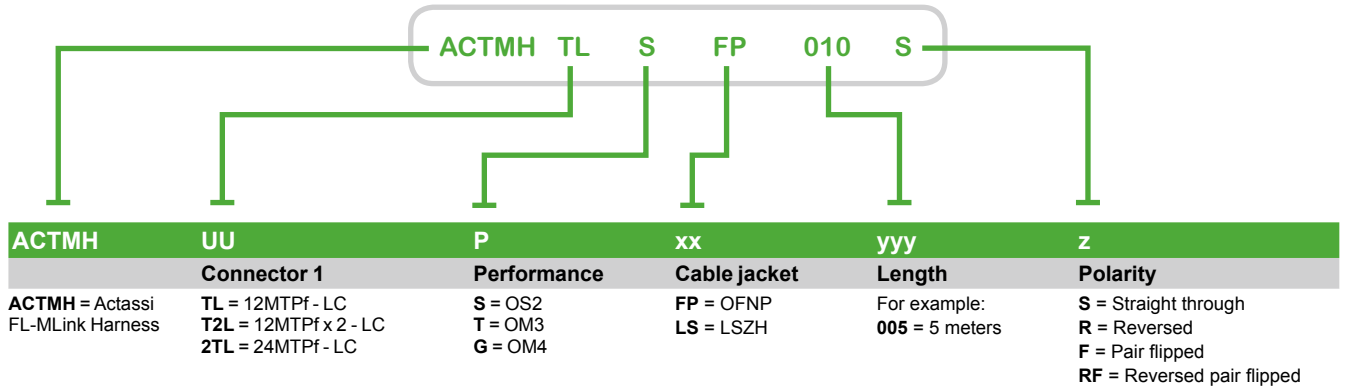
#### Product features

- Compliant to TIA/EIA-568-C.3, ISO/IEC 11801, TIA/EIA-604-5 & IEC 61754-7
- Standard fibre offer: OS2, OM3, OM4
- LSZH, OFNP cable jacket
- 100 % factory terminated and tested
- Low loss MTP connectors are available upon request
- "W", "YW", "Y" cables are available supporting 40G/100G application
- Options of polarity (straight through, reversed, pair flipped)
- Label on the harness cable for traceability
- Female MTP-LC harness by default, male MTP is also available upon request.

#### Customer benefits

- Multiple fibres angles and flammability options
- Application specific design 12 up to 144 fibres
- Can be secured to cabinet mounting profile for saving space
- Compact cable
- Reduced interconnection topology improves power budget
- High reliability due to 100 % factory terminated and tested.

#### Principle of reference numbers: MTP-LC Harness



Note: MTPf = female MTP connector.

e.g.:

- ACTMHTLSFP010S = Actassi FL-MLink harness cable, 12MTPf-LC, OS2, OFNP, 10 meters, polarity Straight through
- ACTMH2TLGLS030R = Actassi FL-MLink harness cable, 24MTPf-LC, OM4, LSZH, 30 meters, polarity Reversed.

#### Principle of reference numbers: MTP-MTP Harness

ACTMH	UU	P	xx	yyy	z
Connector 1	Performance	Cable jacket	Length	Polarity	
ACTMH = Actassi FL-MLink Harness	TT = 12MTPf-12MTPf TTM = 12MTPf-12MTPm T2T2=12MTPfx2-12MTPfx2 2TN3 = 24MTPf-8MTPfx3 2TMN3 = 24MTPm-8MTPfx3 2TMT2 = 24MTPm-12MTPfx2 T2N3 = 12MTPfx2-8MTPfx3 T2MN3=12MTPmx2-8MTPfx3 2TT2=24MTPf-12MTPfx2 2TT2M=24MTPf-12MTPmx2 2T2T=24MTPf-24MTPf 2T2TM = 24MTPf - 24MTPm	S = OS2 T = OM3 G = OM4	FP = OFNP LS = LSZH	For example: 005 = 5 meters	S = Straight through R = Reversed F = Pair flipped RF = Reversed pair flipped

Note: MTPm = male MTP connector, MTPf = female MTP connector.

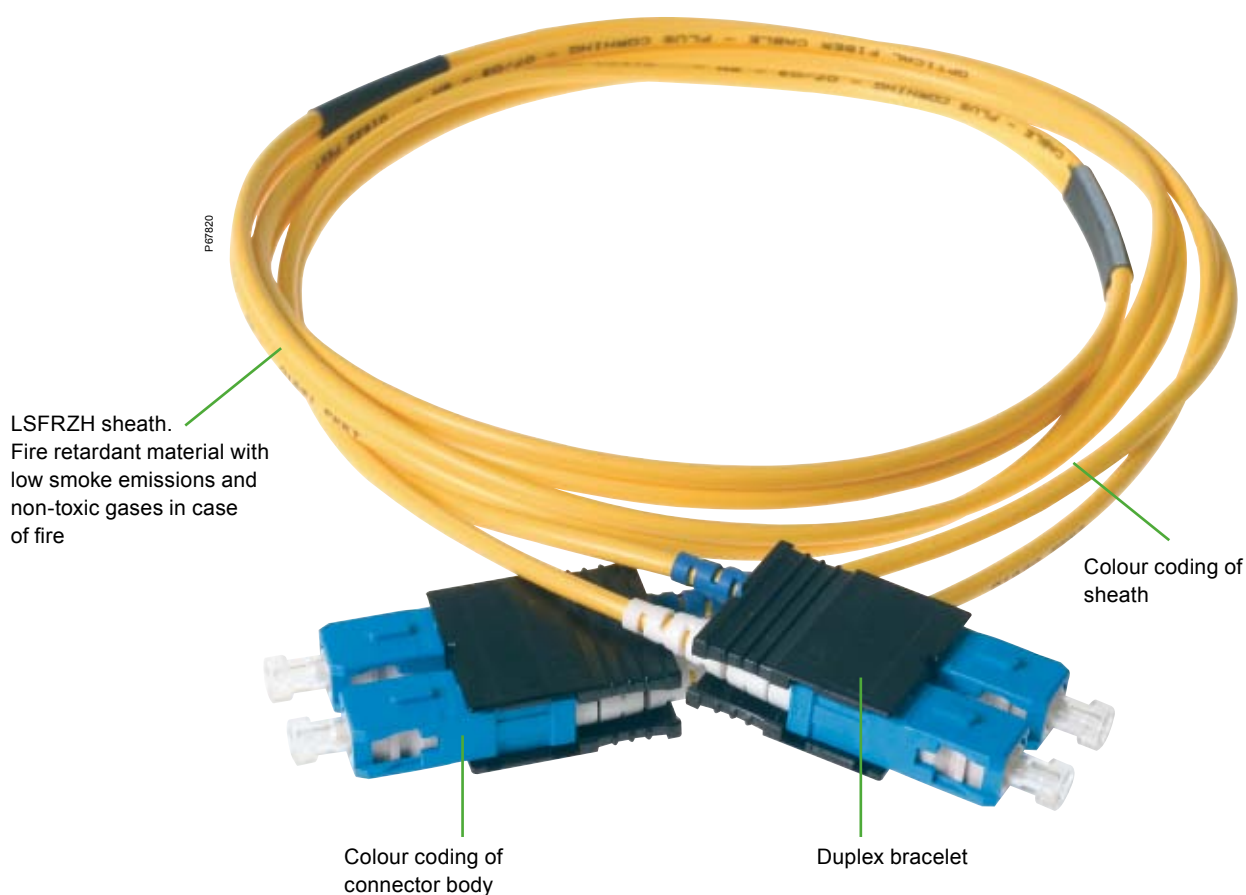
e.g.:

- ACTMHTLS005S = Actassi FL-MLink harness cable, 12MTPf-12MTPf, OS2, LSZH, 5 meters, polarity Straight through
- ACTMHTTMSL010R = Actassi FL-MLink harness cable, 12MTPf-12MTPm, OM3, LSZH, 10 meters, polarity Reversed.

# Actassi fibre optic patch cords

Actassi fibre optic patch cords ensure a reliable transmission in data networks. They are available with several types of connectors (SC, LC, ST), from multimode (OM1, OM2, OM3, OM4) to single-mode (OS1/OS2) performances, in different lengths to cover all installation needs.

All fibre optic patch cords are compliant with ISO/IEC 11801: 2011 Ed2.2 and provide safe plug & play with a high quality thanks to the performances, the LSFRZH sheath (LSZH with fire retardant properties) and the warranties.





# Patch cords

## LC fibre patch cords

The simplex and duplex LC fibre patch cords are 1.6 mm mini cordage with push-pull LC connectors terminated on each end. These patch cords are available in simplex, duplex, multi-mode and single-mode configurations.

### Product features

- Meets ANSI/TIA/EIA 568-C.3 and ISO/IEC 11801 standards
- Patch cords are available in single-mode and multi-mode configurations with different length options
- Cords are easy-to-install and environmentally stable
- Change to Low Smoke Zero Halogen (LSZH) sheath compliant to IEC 60332-3C.

### Customer benefits

- Supports LAN, WAN and active device termination
- Provides a reliable and durable connection solution
- All cords are factory terminated and tested.

3108P2FC10M\_C04PRO FC FPC



ACTFP2L1S19S10

Description	Ref. No
<b>Simplex OS2, single-mode</b>	
LC-LC simplex, single-mode, patch cord, 1 m	ACTFP1L1S19S10
LC-LC simplex, single-mode, patch cord, 2 m	ACTFP1L1S19S20
LC-LC simplex, single-mode, patch cord, 3 m	ACTFP1L1S19S30
LC-LC simplex, single-mode, patch cord, 5 m	ACTFP1L1S19S50
LC-LC simplex, single-mode, patch cord, 10 m	ACTFP1L1S19S100
<b>Duplex OS2, single-mode</b>	
LC-LC duplex, single-mode, patch cord, 1 m	ACTFP2L1S19S10
LC-LC duplex, single-mode, patch cord, 2 m	ACTFP2L1S19S20
LC-LC duplex, single-mode, patch cord, 3 m	ACTFP2L1S19S30
LC-LC duplex, single-mode, patch cord, 5 m	ACTFP2L1S19S50
LC-LC duplex, single-mode, patch cord, 10 m	ACTFP2L1S19S100
<b>Duplex OM1, multi-mode</b>	
LC-LC 62.5 µm, duplex, multi-mode, patch cord, 1 m	ACTFP2L1M16M10
LC-LC 62.5 µm, duplex, multi-mode, patch cord, 2 m	ACTFP2L1M16M20
LC-LC 62.5 µm, duplex, multi-mode, patch cord, 3 m	ACTFP2L1M16M30
LC-LC 62.5 µm, duplex, multi-mode, patch cord, 5 m	ACTFP2L1M16M50
LC-LC 62.5 µm, duplex, multi-mode, patch cord, 10 m	ACTFP2L1M16M100
<b>Duplex OM2, multi-mode</b>	
LC-LC 50 µm, duplex, multi-mode, patch cord, 1 m	ACTFP2L1M25M10
LC-LC 50 µm, duplex, multi-mode, patch cord, 2 m	ACTFP2L1M25M20
LC-LC 50 µm, duplex, multi-mode, patch cord, 3 m	ACTFP2L1M25M30
LC-LC 50 µm, duplex, multi-mode, patch cord, 5 m	ACTFP2L1M25M50
LC-LC 50 µm, duplex, multi-mode, patch cord, 10 m	ACTFP2L1M25M100
<b>Duplex OM3, multi-mode</b>	
LC-LC OM3 50 µm, duplex, multi-mode, patch cord, 1 m	ACTFP2L1M35M10
LC-LC OM3 50 µm, duplex, multi-mode, patch cord, 2 m	ACTFP2L1M35M20
LC-LC OM3 50 µm, duplex, multi-mode, patch cord, 3 m	ACTFP2L1M35M30
LC-LC OM3 50 µm, duplex, multi-mode, patch cord, 5 m	ACTFP2L1M35M50
LC-LC OM3 50 µm, duplex, multi-mode, patch cord, 10 m	ACTFP2L1M35M100
<b>Duplex OM4, multi-mode</b>	
LC-LC OM4 50 µm, duplex, multi-mode, patch cord, 1 m	ACTFP2L1M45M10
LC-LC OM4 50 µm, duplex, multi-mode, patch cord, 2 m	ACTFP2L1M45M20
LC-LC OM4 50 µm, duplex, multi-mode, patch cord, 3 m	ACTFP2L1M45M30
LC-LC OM4 50 µm, duplex, multi-mode, patch cord, 5 m	ACTFP2L1M45M50
LC-LC OM4 50 µm, duplex, multi-mode, patch cord, 10 m	ACTFP2L1M45M100

Note: duplex OM4, multi-mode will be provided upon request.

# Patch cords

## SC fibre patch cords

The simplex and duplex SC fibre patch cords are 1.6 mm mini cordage with push-pull SC connectors terminated on each end. These patch cords are available in simplex, duplex, multi-mode and single-mode configurations.

### Product features

- Meets ANSI/TIA/EIA 568-C.3 and ISO/IEC 11801 standards
- Patch cords are available in simplex, duplex, single-mode and multi-mode configurations with different length options
- Cords are easy-to-install and environmentally stable
- Change to Low Smoke Zero Halogen (LSZH) sheath compliant to IEC 60332-3C.

### Customer benefits

- Supports LAN, WAN and active device termination
- All cords are factory terminated and tested
- Provides a reliable and durable connection solution.

3108P2SC10M\_OM1SCFP1



ACTFP2C1S19S10

Description	Ref. No
<b>Simplex OS2, single-mode</b>	
SC-SC simplex, single-mode, patch cord 1 m	ACTFP1C1S19S10
SC-SC simplex, single-mode, patch cord 2 m	ACTFP1C1S19S20
SC-SC simplex, single-mode, patch cord 3 m	ACTFP1C1S19S30
SC-SC simplex, single-mode, patch cord 5 m	ACTFP1C1S19S50
SC-SC simplex, single-mode, patch cord 10 m	ACTFP1C1S19S100
<b>Duplex OS2, single-mode</b>	
SC-SC duplex, single-mode, patch cord 1 m	ACTFP2C1S19S10
SC-SC duplex, single-mode, patch cord 2 m	ACTFP2C1S19S20
SC-SC duplex, single-mode, patch cord 3 m	ACTFP2C1S19S30
SC-SC duplex, single-mode, patch cord 5 m	ACTFP2C1S19S50
SC-SC duplex, single-mode, patch cord 10 m	ACTFP2C1S19S100
<b>Duplex OM1, multi-mode</b>	
SC-SC 62.5 µm duplex, multi-mode, patch cord 1 m	ACTFP2C1M16M10
SC-SC 62.5 µm duplex, multi-mode, patch cord 2 m	ACTFP2C1M16M20
SC-SC 62.5 µm duplex, multi-mode, patch cord 3 m	ACTFP2C1M16M30
SC-SC 62.5 µm duplex, multi-mode, patch cord 5 m	ACTFP2C1M16M50
SC-SC 62.5 µm duplex, multi-mode, patch cord 10 m	ACTFP2C1M16M100
<b>Duplex OM2, multi-mode</b>	
SC-SC 50 µm duplex, multi-mode, patch cord 1 m	ACTFP2C1M25M10
SC-SC 50 µm duplex, multi-mode, patch cord 2 m	ACTFP2C1M25M20
SC-SC 50 µm duplex, multi-mode, patch cord 3 m	ACTFP2C1M25M30
SC-SC 50 µm duplex, multi-mode, patch cord 5 m	ACTFP2C1M25M50
SC-SC 50 µm duplex, multi-mode, patch cord 10 m	ACTFP2C1M25M100
<b>Duplex OM3, multi-mode</b>	
SC-SC OM3 50 µm duplex, multi-mode, patch cord 1 m	ACTFP2C1M35M10
SC-SC OM3 50 µm duplex, multi-mode, patch cord 2 m	ACTFP2C1M35M20
SC-SC OM3 50 µm duplex, multi-mode, patch cord 3 m	ACTFP2C1M35M30
SC-SC OM3 50 µm duplex, multi-mode, patch cord 5 m	ACTFP2C1M35M50
SC-SC OM3 50 µm duplex, multi-mode, patch cord 10 m	ACTFP2C1M35M100
<b>Duplex OM4, multi-mode</b>	
SC-SC OM4 50 µm duplex, multi-mode, patch cord 1 m	ACTFP2C1M45M10
SC-SC OM4 50 µm duplex, multi-mode, patch cord 2 m	ACTFP2C1M45M20
SC-SC OM4 50 µm duplex, multi-mode, patch cord 3 m	ACTFP2C1M45M30
SC-SC OM4 50 µm duplex, multi-mode, patch cord 5 m	ACTFP2C1M45M50
SC-SC OM4 50 µm duplex, multi-mode, patch cord 10 m	ACTFP2C1M45M100

# Patch cords

## ST fibre patch cords

The simplex and duplex ST fibre patch cords are 1.6 mm mini cordage with push-pull ST connectors terminated on each end. These patch cords are available in simplex, duplex, multi-mode and single-mode configurations.

### Product features

- Meets ANSI/TIA/EIA 568-C.3 and ISO/IEC 11801 standards
- Patch cords are available in single-mode and multi-mode configurations with different length options
- Cords are easy-to-install and environmentally stable
- Change to Low Smoke Zero Halogen (LSZH) sheath compliant to IEC 60332-3C.

### Customer benefits

- Supports LAN, WAN and active device termination
- Provides a reliable and durable connection solution
- All cords are factory terminated and tested.

TFP2T3M16M20



ACTFP2T1S19S10

Description	Ref. No
<b>Simplex OS2, single-mode</b>	
ST-ST simplex, single-mode, patch cord, 1 m	ACTFP1T1S19S10
ST-ST simplex, single-mode, patch cord, 2 m	ACTFP1T1S19S20
ST-ST simplex, single-mode, patch cord, 3 m	ACTFP1T1S19S30
ST-ST simplex, single-mode, patch cord, 5 m	ACTFP1T1S19S50
ST-ST simplex, single-mode, patch cord, 10 m	ACTFP1T1S19S100
<b>Duplex OS2, single-mode</b>	
ST-ST duplex, single-mode, patch cord, 1 m	ACTFP2T1S19S10
ST-ST duplex, single-mode, patch cord, 2 m	ACTFP2T1S19S20
ST-ST duplex, single-mode, patch cord, 3 m	ACTFP2T1S19S30
ST-ST duplex, single-mode, patch cord, 5 m	ACTFP2T1S19S50
ST-ST duplex, single-mode, patch cord, 10 m	ACTFP2T1S19S100
<b>Duplex OM1, multi-mode</b>	
ST-ST 62.5 µm duplex, multi-mode, patch cord, 1 m	ACTFP2T1M16M10
ST-ST 62.5 µm duplex, multi-mode, patch cord, 2 m	ACTFP2T1M16M20
ST-ST 62.5 µm duplex, multi-mode, patch cord, 3 m	ACTFP2T1M16M30
ST-ST 62.5 µm duplex, multi-mode, patch cord, 5 m	ACTFP2T1M16M50
ST-ST 62.5 µm duplex, multi-mode, patch cord, 10 m	ACTFP2T1M16M100
<b>Duplex OM2, multi-mode</b>	
ST-ST 50 µm duplex, multi-mode, patch cord, 1 m	ACTFP2T1M25M10
ST-ST 50 µm duplex, multi-mode, patch cord, 2 m	ACTFP2T1M25M20
ST-ST 50 µm duplex, multi-mode, patch cord, 3 m	ACTFP2T1M25M30
ST-ST 50 µm duplex, multi-mode, patch cord, 5 m	ACTFP2T1M25M50
ST-ST 50 µm duplex, multi-mode, patch cord, 10 m	ACTFP2T1M25M100
<b>Duplex OM3, multi-mode</b>	
ST-ST OM3 50 µm duplex, multi-mode, patch cord, 1 m	ACTFP2T1M35M10
ST-ST OM3 50 µm duplex, multi-mode, patch cord, 2 m	ACTFP2T1M35M20
ST-ST OM3 50 µm duplex, multi-mode, patch cord, 3 m	ACTFP2T1M35M30
ST-ST OM3 50 µm duplex, multi-mode, patch cord, 5 m	ACTFP2T1M35M50
ST-ST OM3 50 µm duplex, multi-mode, patch cord, 10 m	ACTFP2T1M35M100
<b>Duplex OM4, multi-mode</b>	
ST-ST OM4 50 µm duplex, multi-mode, patch cord, 1 m	ACTFP2T1M45M10
ST-ST OM4 50 µm duplex, multi-mode, patch cord, 2 m	ACTFP2T1M45M20
ST-ST OM4 50 µm duplex, multi-mode, patch cord, 3 m	ACTFP2T1M45M30
ST-ST OM4 50 µm duplex, multi-mode, patch cord, 5 m	ACTFP2T1M45M50
ST-ST OM4 50 µm duplex, multi-mode, patch cord, 10 m	ACTFP2T1M45M100

# Patch cords

## SC-LC fibre patch cords

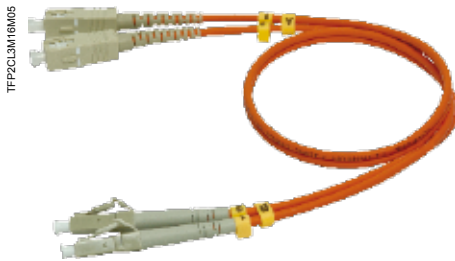
The duplex SC-LC fibre patch cords are 1.6 mm mini cordage with push-pull SC-LC connectors terminated on each end. These patch cords are available in simplex, duplex multi-mode and single-mode configurations.

### Product features

- Meets ANSI/TIA/EIA 568-C.3 and ISO/IEC 11801 standards
- Patch cords are available in Duplex, multi-mode configurations with different length options
- Cords are easy-to-install and environmentally stable
- Change to Low Smoke Zero Halogen (LSZH) sheath compliant to IEC 60332-3C.

### Customer benefits

- Supports LAN, WAN and active device termination
- Provides a reliable and durable connection solution
- All cords are factory terminated and tested.



ACTFP2CL1M25M10

Description	Ref. No
<b>Simplex OS2, single-mode</b>	
SC-LC simplex, single-mode, patch cord, 1 m	ACTFP1CL1S19S10
SC-LC simplex, single-mode, patch cord, 2 m	ACTFP1CL1S19S20
SC-LC simplex, single-mode, patch cord, 3 m	ACTFP1CL1S19S30
SC-LC simplex, single-mode, patch cord, 5 m	ACTFP1CL1S19S50
SC-LC simplex, single-mode, patch cord, 10 m	ACTFP1CL1S19S100
<b>Duplex OS2, single-mode</b>	
SC-LC duplex, single-mode, patch cord, 1 m	ACTFP2CL1S19S10
SC-LC duplex, single-mode, patch cord, 2 m	ACTFP2CL1S19S20
SC-LC duplex, single-mode, patch cord, 3 m	ACTFP2CL1S19S30
SC-LC duplex, single-mode, patch cord, 5 m	ACTFP2CL1S19S50
SC-LC duplex, single-mode, patch cord, 10 m	ACTFP2CL1S19S100
<b>Duplex OM1, multi-mode</b>	
SC-LC 62.5 µm, duplex, multi-mode, patch cord, 1 m	ACTFP2CL1M16M10
SC-LC 62.5 µm, duplex, multi-mode, patch cord, 2 m	ACTFP2CL1M16M20
SC-LC 62.5 µm, duplex, multi-mode, patch cord, 3 m	ACTFP2CL1M16M30
SC-LC 62.5 µm, duplex, multi-mode, patch cord, 5 m	ACTFP2CL1M16M50
SC-LC 62.5 µm, duplex, multi-mode, patch cord, 10 m	ACTFP2CL1M16M100
<b>Duplex OM2, multi-mode</b>	
SC-LC 50 µm, duplex, multi-mode, patch cord, 1 m	ACTFP2CL1M25M10
SC-LC 50 µm, duplex, multi-mode, patch cord, 2 m	ACTFP2CL1M25M20
SC-LC 50 µm, duplex, multi-mode, patch cord, 3 m	ACTFP2CL1M25M30
SC-LC 50 µm, duplex, multi-mode, patch cord, 5 m	ACTFP2CL1M25M50
SC-LC 50 µm, duplex, multi-mode, patch cord, 10 m	ACTFP2CL1M25M100
<b>Duplex OM3, multi-mode</b>	
SC-LC OM3 50 µm, duplex, multi-mode, patch cord, 1 m	ACTFP2CL1M35M10
SC-LC OM3 50 µm, duplex, multi-mode, patch cord, 2 m	ACTFP2CL1M35M20
SC-LC OM3 50 µm, duplex, multi-mode, patch cord, 3 m	ACTFP2CL1M35M30
SC-LC OM3 50 µm, duplex, multi-mode, patch cord, 5 m	ACTFP2CL1M35M50
SC-LC OM3 50 µm, duplex, multi-mode, patch cord, 10 m	ACTFP2CL1M35M100
<b>Duplex OM4, multi-mode</b>	
SC-LC OM4 50 µm, duplex, multi-mode, patch cord, 1 m	ACTFP2CL1M45M10
SC-LC OM4 50 µm, duplex, multi-mode, patch cord, 2 m	ACTFP2CL1M45M20
SC-LC OM4 50 µm, duplex, multi-mode, patch cord, 3 m	ACTFP2CL1M45M30
SC-LC OM4 50 µm, duplex, multi-mode, patch cord, 5 m	ACTFP2CL1M45M50
SC-LC OM4 50 µm, duplex, multi-mode, patch cord, 10 m	ACTFP2CL1M45M100

# Patch cords

## ST-SC fibre patch cords

The duplex ST-SC fibre patch cords are 1.6 mm mini cordage with push-pull ST-SC connectors terminated on each end. These patch cords are available in simplex, duplex multi-mode and single-mode configurations.

### Product features

- Meets ANSI/TIA/EIA 568-C.3 and ISO/IEC 11801 standards
- Patch cords are available in duplex multi-mode configurations with different length options
- Cords are easy-to-install and environmentally stable
- Change to Low Smoke Zero Halogen (LSZH) sheath compliant to IEC 60332-3C.

### Customer benefits

- Supports LAN, WAN and active device termination
- Provides a reliable and durable connection solution
- All cords are factory terminated and tested.

TFP2TC1M16M10



ACTFP2TC1M16M10

Description	Ref. No
<b>simplex OS2, single-mode</b>	
ST-SC simplex, single-mode, patch cord, 1 m	ACTFP1TC1S19S10
ST-SC simplex, single-mode, patch cord, 2 m	ACTFP1TC1S19S20
ST-SC simplex, single-mode, patch cord, 3 m	ACTFP1TC1S19S30
ST-SC simplex, single-mode, patch cord, 5 m	ACTFP1TC1S19S50
ST-SC simplex, single-mode, patch cord, 10 m	ACTFP1TC1S19S100
<b>Duplex OS2, single-mode</b>	
ST-SC duplex, single-mode, patch cord, 1 m	ACTFP2TC1S19S10
ST-SC duplex, single-mode, patch cord, 2 m	ACTFP2TC1S19S20
ST-SC duplex, single-mode, patch cord, 3 m	ACTFP2TC1S19S30
ST-SC duplex, single-mode, patch cord, 5 m	ACTFP2TC1S19S50
ST-SC duplex, single-mode, patch cord, 10 m	ACTFP2TC1S19S100
<b>Duplex OM1, multi-mode</b>	
ST-SC 62.5 µm, duplex, multi-mode, patch cord, 1 m	ACTFP2TC1M16M10
ST-SC 62.5 µm, duplex, multi-mode, patch cord, 2 m	ACTFP2TC1M16M20
ST-SC 62.5 µm, duplex, multi-mode, patch cord, 3 m	ACTFP2TC1M16M30
ST-SC 62.5 µm, duplex, multi-mode, patch cord, 5 m	ACTFP2TC1M16M50
ST-SC 62.5 µm, duplex, multi-mode, patch cord, 10 m	ACTFP2TC1M16M100
<b>Duplex OM2, multi-mode</b>	
ST-SC 50 µm, duplex, multi-mode, patch cord, 1 m	ACTFP2TC1M25M10
ST-SC 50 µm, duplex, multi-mode, patch cord, 2 m	ACTFP2TC1M25M20
ST-SC 50 µm, duplex, multi-mode, patch cord, 3 m	ACTFP2TC1M25M30
ST-SC 50 µm, duplex, multi-mode, patch cord, 5 m	ACTFP2TC1M25M50
ST-SC 50 µm, duplex, multi-mode, patch cord, 10 m	ACTFP2TC1M25M100
<b>Duplex OM3, multi-mode</b>	
ST-SC OM3 50 µm, duplex, multi-mode, patch cord, 1 m	ACTFP2TC1M35M10
ST-SC OM3 50 µm, duplex, multi-mode, patch cord, 2 m	ACTFP2TC1M35M20
ST-SC OM3 50 µm, duplex, multi-mode, patch cord, 3 m	ACTFP2TC1M35M30
ST-SC OM3 50 µm, duplex, multi-mode, patch cord, 5 m	ACTFP2TC1M35M50
ST-SC OM3 50 µm, duplex, multi-mode, patch cord, 10 m	ACTFP2TC1M35M100
<b>Duplex OM4, multi-mode</b>	
ST-SC OM4 50 µm, duplex, multi-mode, patch cord, 1 m	ACTFP2TC1M45M10
ST-SC OM4 50 µm, duplex, multi-mode, patch cord, 2 m	ACTFP2TC1M45M20
ST-SC OM4 50 µm, duplex, multi-mode, patch cord, 3 m	ACTFP2TC1M45M30
ST-SC OM4 50 µm, duplex, multi-mode, patch cord, 5 m	ACTFP2TC1M45M50
ST-SC OM4 50 µm, duplex, multi-mode, patch cord, 10 m	ACTFP2TC1M45M100

# Pigtails

## LC fibre pigtails

The simplex LC fibre pigtails are 0.9 mm tight buffrt fibre with push-pull LC connectors terminated on each end. These pigtails are available in simplex multi-mode and single-mode configurations.

### Product features

- Meets ANSI/TIA/EIA 568-C.3 and ISO/IEC 11801 standards
- Patch cords are available in simplex, single-mode and multi-mode configurations with different length options
- Cords are easy-to-install and environmentally stable
- Change to Low Smoke Zero Halogen (LSZH) sheath compliant to IEC 60332-3C.

### Customer benefits

- Supports LAN, WAN and active device termination
- Provides a reliable and durable connection solution
- All cords are factory terminated and tested.

TFT1L3M16M20



ACTFT1L1M25M20

Description	Ref. No
<b>OS2, single-mode</b>	
LC, single-mode, pigtail, 1.0 m	ACTFT1L1S19S10
LC, single-mode, pigtail, 1.5 m	ACTFT1L1S19S15
LC, single-mode, pigtail, 2.0 m	ACTFT1L1S19S20
<b>OM2, multi-mode</b>	
LC, 50 µm, multi-mode, pigtail, 1.0 m	ACTFT1L1M25M10
LC, 50 µm, multi-mode, pigtail, 1.5 m	ACTFT1L1M25M15
LC, 50 µm, multi-mode, pigtail, 2.0 m	ACTFT1L1M25M20
<b>OM3, multi-mode</b>	
LC, 50 µm, multi-mode, pigtail, 1.0 m	ACTFT1L1M35M10
LC, 50 µm, multi-mode, pigtail, 1.5 m	ACTFT1L1M35M15
LC, 50 µm, multi-mode, pigtail, 2.0 m	ACTFT1L1M35M20
<b>OM4, multi-mode</b>	
LC, 50 µm, multi-mode, pigtail, 1.0 m	ACTFT1L1M45M10
LC, 50 µm, multi-mode, pigtail, 1.5 m	ACTFT1L1M45M15
LC, 50 µm, multi-mode, pigtail, 2.0 m	ACTFT1L1M45M20



# Pigtails

## SC fibre pigtails

The Simplex SC fibre pigtails are 0.9 mm tight buffer fibre with push-pull SC connectors terminated on each end. These pigtails are available in simplex single-mode and multi-mode configurations.

### Product features

- Meets ANSI/TIA/EIA 568-C.3 and ISO/IEC 11801 standards
- Patch cords are available in simplex, single-mode and multi-mode configurations with different length options
- Cords are easy-to-install and environmentally stable
- Change to Low Smoke Zero Halogen (LSZH) sheath compliant to IEC 60332-3C.

### Customer benefits

- Supports LAN, WAN and active device termination
- Provides a reliable and durable connection solution
- All cords are factory terminated and tested.

TFT1C3M16M20



ACTFT1C1M25M20

Description	Ref. No
<b>OS2, single-mode</b>	
SC, single-mode, pigtail, 1.0 m	ACTFT1C1S19S10
SC, single-mode, pigtail, 1.5 m	ACTFT1C1S19S15
SC, single-mode, pigtail, 2.0 m	ACTFT1C1S19S20
<b>OM2, multi-mode</b>	
SC, 50 µm, multi-mode, pigtail, 1.0 m	ACTFT1C1M25M10
SC, 50 µm, multi-mode, pigtail, 1.5 m	ACTFT1C1M25M15
SC, 50 µm, multi-mode, pigtail, 2.0 m	ACTFT1C1M25M20
<b>OM3, multi-mode</b>	
SC, OM3, 50 µm, multi-mode, pigtail, 1.0 m	ACTFT1C1M35M10
SC, OM3, 50 µm, multi-mode, pigtail, 1.5 m	ACTFT1C1M35M15
SC, OM3, 50 µm, multi-mode, pigtail, 2.0 m	ACTFT1C1M35M20
<b>OM4, multi-mode</b>	
SC, OM4, 50 µm, multi-mode, pigtail, 1.0 m	ACTFT1C1M45M10
SC, OM4, 50 µm, multi-mode, pigtail, 1.5 m	ACTFT1C1M45M15
SC, OM4, 50 µm, multi-mode, pigtail, 2.0 m	ACTFT1C1M45M20

# Pigtails

## ST fibre pigtails

The simplex ST fibre pigtails are 0.9 mm tight buffrt fibre with push-pull ST connectors terminated on each end. These pigtails are available in simplex multi-mode and single-mode configurations.

### Product features

- Meets ANSI/TIA/EIA 568-C.3 and ISO/IEC 11801 standards
- Patch cords are available in simplex, single-mode and multi-mode configurations with different length options
- Cords are easy-to-install and environmentally stable
- Change to Low Smoke Zero Halogen (LSZH) sheath compliant to IEC 60332-3C.

### Customer benefits

- Supports LAN, WAN and active device termination
- Provides a reliable and durable connection solution
- All cords are factory terminated and tested.

TFT1T1S19S05\_SC\_MTRUPP



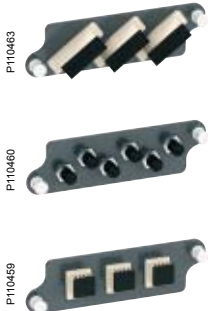
ACTFT1T1S19S10

Description	Ref. No
<b>OS2, single-mode</b>	
ST, single-mode, pigtail, 1.0 m	<b>ACTFT1T1S19S10</b>
ST, single-mode, pigtail, 1.5 m	<b>ACTFT1T1S19S15</b>
ST, single-mode, pigtail, 2.0 m	<b>ACTFT1T1S19S20</b>
<b>OM2, multi-mode</b>	
ST, 50 µm, multi-mode, pigtail, 1.0 m	<b>ACTFT1T1M25M10</b>
ST, 50 µm, multi-mode, pigtail, 1.5 m	<b>ACTFT1T1M25M15</b>
ST, 50 µm, multi-mode, pigtail, 2.0 m	<b>ACTFT1T1M25M20</b>

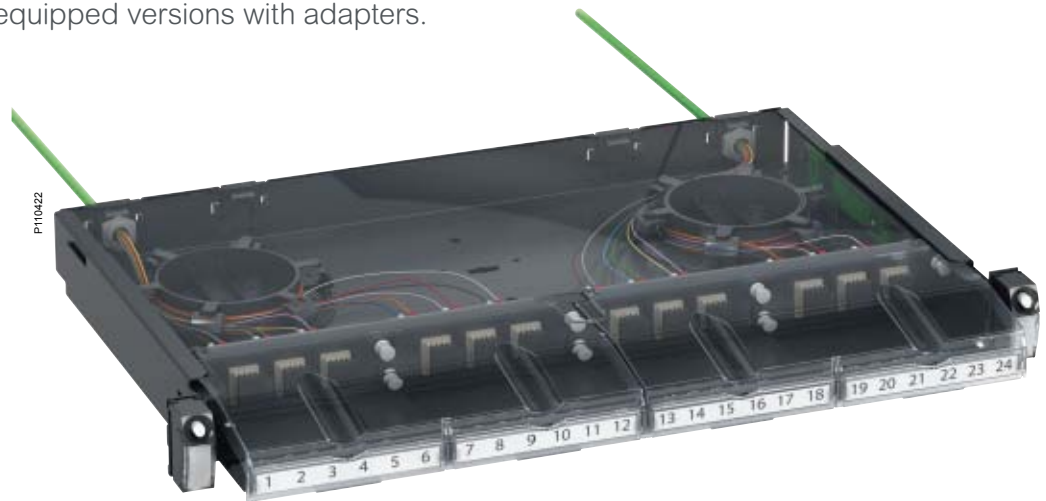
Note: OM3, OM4 will be provided upon request.

# Actassi 19-C fibre panels

A simple all-in-one concept, pre-equipped with for example Quick Fix function, coiling wheels and cable glands. It has a capacity of 24 fibres and has transparent lids for protection and a clear visibility of the inside. Can hold up to 4 cover plates, and since it is delivered with 3 blank plates, the choice is open for the fourth to be used according to your needs. The cover plates are available in empty and pre-equipped versions with adapters.

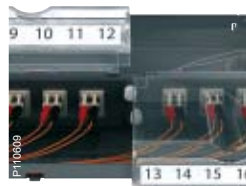


To match your fibre optic panel we have developed a range of pre-equipped cover-plates. It's a time-saving, safer and smarter way to work with your installations.



### Coiling wheels

The panel contains wheels to keep the fibres in place and to avoid tension on the connectors. This will also give a correct bending radius and more space for excess lengths of the fibres.



### Excellent protection

The transparent covers give both protection and overview. The front covers can be opened for quick access and the top cover is easily removed.



### Clear marking

Since the marking is very clear, identifying the cable you are looking for will never be a problem.



### Integrated guiding panel

A patchcord guiding panel, with smoothly shaped edges to protect the cords, is integrated in the panel. So there is no need to add a separate guiding panel that would take another 1U space.



### Rear quick fixation

A quick-fixation system is provided for the cables at the rear. Use the provided 16 mm glands for cables. If a 21 mm gland (not provided) is needed, just remove the rear plastic support and fix the gland directly in the cable entry. Quick and easy!



### Sliding function

The panel can be slid or completely removed for a more convenient working position.



P11286



### Evolution universal sliding fibre optic panel 1U

- Universal sliding 19" fibre optic panel with 4 positions, equipped with 3 blank plates. The 1st position is empty and is to be fitted with suitable coverplate
- 1 Quick Fix function on both sides to allow a simple, quick fixing position and sliding feature
- Removable transparent cover mounted
- Fibre patchcord guiding structure at the front, protected by cover equipped with label holders
- Maximum density of 48 fibres for 1U (LC rectangular version).

#### Evolution panel for direct terminations

- Equipped with 2 coiling wheels and 2 PG9 (Ø 7 mm max.) cable glands.

Description	Ref. No
Evolution fibre optic panel 1U with 3 blank plates	VDIG150991V2

P120602



### Basic universal sliding fibre optic panel 1U Basic

- Universal sliding 19" fibre optic panel with 4 positions
- 1 Quick Fix function on both sides to allow a simple, quick fixing position and sliding feature
- Removable transparent cover mounted
- Fibre patchcord guiding structure at the front
- Equipped with 1 coiling wheel and 2 PG9 (Ø 7 mm max.) cable glands.

Description	Ref. No
Basic fibre optic panel 1U	VDIG050991V2

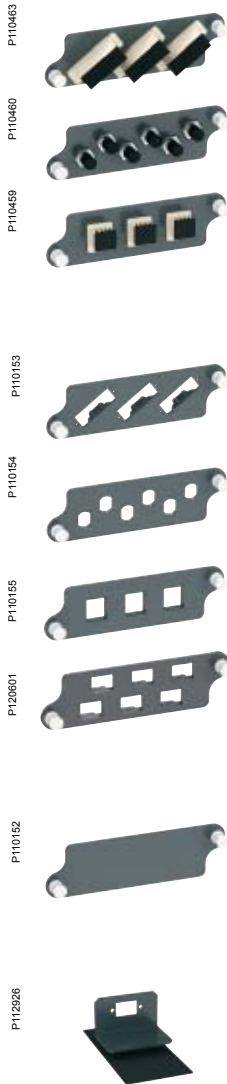
P146832



### Splice tray

- Delivered with a cover and accessories
- Maximum 2 x 1U fusion splice tray kit can be stacked inside 19-C fibre panel
- Ready to install: fusion splice holders & heat shrink tube included.

Description	Ref. No
1U Fusion splice tray kit (max. 24-fibres)	ACTFMSPTKIT



### Plates

- Blank plates and coverplates to be fixed on fibre optic Quick Fix panel ref VDIG150991, VDIG150991001 and VDIG050991
- Quick fixation by push-pull rivets.

### Coverplates with adapters

Description	Ref. No
Coverplate provided with 3 SC duplex multimode adapters	<b>VDIM1530311</b>
Coverplate provided with 6 ST multimode adapters	<b>VDIM1510611</b>
Coverplate provided with 3 LC duplex multimode adapters	<b>VDIM1550311</b>

### Coverplates without adapters

Description	Ref. No
Coverplate for 3 SC duplex adapters	<b>VDIM153031</b>
Coverplate for 6 ST adapters	<b>VDIM151061</b>
Coverplate for 3 LC duplex adapters (compatible with LC duplex Adapters / square VDIB6051001, VDIB6051002, VDIB6052001 and VDIB6052002).	<b>VDIM155031</b>
Coverplate for 6 LC duplex adapters (compatible with LC duplex Adapters / rectangular VDIB6051003, VDIB6051004, VDIB6052003 and VDIB6052004).	<b>VDIM155061</b>

### Blank plate

Description	Ref. No
Blank plate for fibre optic panel	<b>VDIM150061</b>

### Internal fixing plate for 1 adapter MPO to be fixed at the rear of the panel

Description	Ref. No
Internal fixing plate for 1 adapter MPO	<b>VDIM157021</b>



# Actassi 19-HD fibre panels



## Answering to your high density needs

Actassi 19-HD fibre panel is a superior and compact fibre termination solution for High productivity building and small data centre applications, covering the following requirements:

### High density field termination solution

- Accepts 3 adaptor plates, up to 72 ports in 1U
- Accepts 12 adaptor plates, up to 288 ports in 4U
- Space optimization, 50 % more than standard fibre panel

### Safety and Protection

- Transparent front cover (with magnetic suction mechanism) provides instant visibility of the connection status also provides perfect protection against dust and humidity
- Radiation safety label is available in the front cover

### Scalable and flexible

- Pay as you grow
- Optional snap-in adaptor plates and blank plate
- Fusion splicing is possible with optional splice tray kit sets
- Built-in (adjustable in 1U panel) wiring rings, rubber-seal cable entries are aimed to cater easy cable management
- Single-mode and Multi-mode adaptors are available with color differentiation

### Energy efficient thanks to "Green environment"

- Fibre use
- Reduce up to 90 % of waste on site





The Actassi 19-HD fibre panel is a superior and compact fibre termination solution. It is mountable in 19" equipment racks or cabinets. The 1U panel accepts maximum 3 adaptor plates with maximum 72 fibres count while 4U panel can accept maximum 12 adaptor plates with maximum capacity of 288 fibres. Built-in (adjustable in 1U panel) wiring rings, rubber-seal cable entries are aimed to cater easy cable management. Transparent front cover (with magnetic suction mechanism) provides instant visibility of the connection status, also provides perfect protection against dust and humidity. Design with multiple applications in mind, the Actassi 19-HD fibre panel can accommodate different types of modular adaptor panel plates and splice trays (optional) to give outstanding performance and functionality.

### 1U Panel: 400 x 482 x 44 mm

- Compatible with 19" open rack / cabinets (depth > 500 mm)
- 1U panel drawer with sliding rails and stopper lock mechanism
- Optional snap-in adaptor plates / blank plates (max. 3)
- Built-in adjustable cable management rings and cable entries
- Maximum density of 72 fibres (LC version).

P146540



Description	Ref. No
HD fibre panel, 1U, fits up to 3 adaptor plates, Unloaded	ACTMP1U

### 4U panel: 400 x 482 x 175 mm

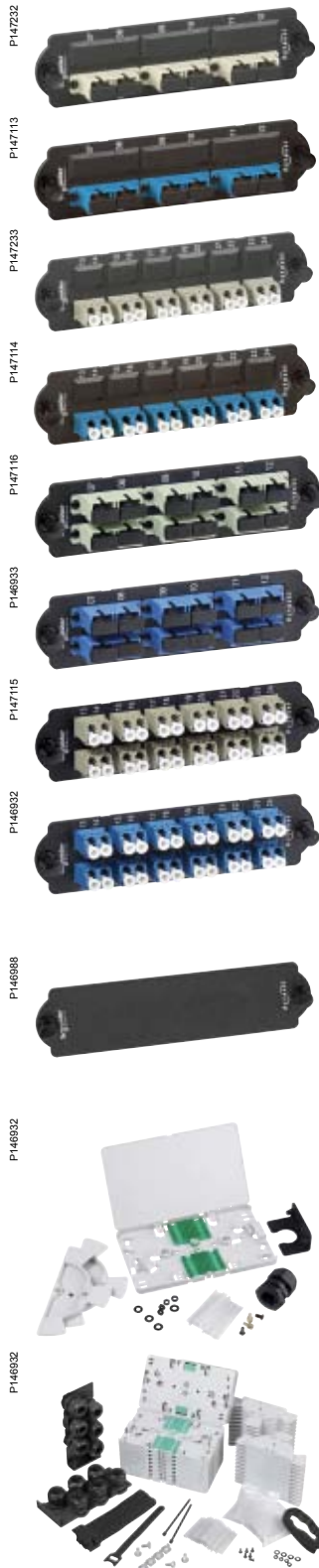
- Compatible with 19" open rack / cabinets (depth > 500 mm)
- With removal top cover lip
- Optional snap-in adaptor plates / blank plates (max. 12)
- Built-in cable management rings and cable entries
- Maximum density of 288 fibres (LC version).

P146541



Description	Ref. No
HD fibre panel, 4U, fits up to 12 adaptor plates, Unloaded	ACTMP4U





### Plates

- Blank plates and adapter plates to be fixed on Actassi 19-HD fibre panel ref ACTMP1U and ACTMP4U
- Quick fixation by push-pull rivets
- Zirconia ceramic material ferrules for higher performance.

### Coverplates with adapters

Description	Ref. No
Adapter plate with 3 SC duplex beige adapters for multimode OM2/OM3/OM4 (support also singlemode)	<b>ACTFM1UF2SC3PMM</b>
Adapter plate with 3 SC duplex blue adapters for singlemode OS1/OS2 (support also multimode OM2/OM3/OM4)	<b>ACTFM1UF2SC3PSM</b>
Adapter plate with 6 SC duplex beige adapters for multimode OM2/OM3/OM4 (support also singlemode)	<b>ACTFM1UF2SC6PMM</b>
Adapter plate with 6 SC duplex blue adapters for singlemode OS1/OS2 (support also multimode OM2/OM3/OM4)	<b>ACTFM1UF2SC6PSM</b>
Adapter plate with 6 LC duplex beige adapters for multimode OM2/OM3/OM4 (support also singlemode)	<b>ACTFM1UF2LC6PMM</b>
Adapter plate with 6 LC duplex blue adapters for singlemode OS1/OS2 (support also multimode OM2/OM3/OM4)	<b>ACTFM1UF2LC6PSM</b>
Adapter plate with 12 LC duplex beige adapters for multimode OM2/OM3/OM4 (support also singlemode)	<b>ACTFM1UF2LC12PMM</b>
Adapter plate with 12 LC duplex blue adapters for singlemode OS1/OS2 (support also multimode OM2/OM3/OM4)	<b>ACTFM1UF2LC12PSM</b>

### Blank plate

Description	Ref. No
Blank adapter plate for ACTMP1U & ACTMP4U	<b>ACTMPBP</b>

### Splice tray

- Delivered with a cover and accessories
- Maximum 3 x 1U fusion splice tray kit can be stacked inside 1U HD fibre panel
- Only 1x 4U fusion splice tray kit is needed for 4U HD fibre panel (total 12 splice trays)
- Ready to install: fusion splice holders & heat shrink tube included.

Description	Ref. No
1U Fusion splice tray kit (max. 24-fibres)	<b>ACTFMSPTKIT</b>
4U Fusion splice tray kit (Full Set for up to 288 fibres)	<b>ACTFMSPT4USET</b>



### Adaptors

- Fibre optic adaptors suitable to connect and align optic connectors (for both applications: optic patchpanels in technical rooms and faceplates at workstation)
- both multimode and singlemode versions
- identification of multimode adaptors with beige color
- identification of singlemode adaptors with blue color
- available in SC, SC APC, ST, LC and MPO formats
- zirconia ceramic material ferrules
- snap-in latch.

#### Multimode (MM) adaptors

Type	Qty/pack	Ref. No
SC Duplex Adapter MM	1	VDIB6031001
	100	VDIB6031002
SC Simplex Adapter MM	1	VDIB6021001
ST Simplex Adapter MM	1	VDIB6011001
	100	VDIB6011002
LC Duplex Adapter sq MM	1	VDIB6051001
	100	VDIB6051002
LC Duplex Adapter rect MM	1	VDIB6051003
	100	VDIB6051004

#### Singlemode (SM) adaptors

Type	Qty/pack	Ref. No
SC Duplex Adapter SM	1	VDIB6032001
	100	VDIB6032002
SC APC Simplex Adapter SM	1	VDIB6072001
SC APC Duplex Adapter SM	1	VDIB6082001
LC Duplex Adapter sq SM	1	VDIB6052001
	100	VDIB6052002
LC Duplex Adapter rect SM	1	VDIB6052003
	100	VDIB6052004

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P134792



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P133699



P133698



P133695



P133701



P133693



P133700





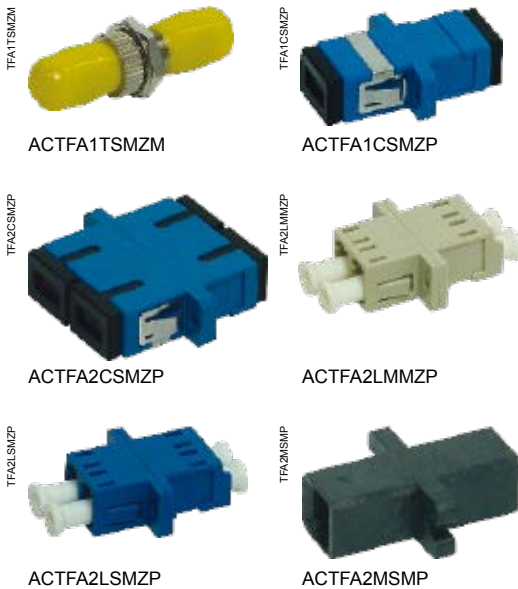
The Actassi fibre optic connectors and adaptors are superior products delivering the best networking performance when used in conjunction with other Actassi fibre optic products.

**Specifications**

- Fibre optic adapters suitable to connect and align optic connectors (for both applications: optic patchpanels in telecom/equipment rooms and faceplates at workstation)
- both multimode and singlemode versions
- identification of multimode adapters with beige color
- identification of singlemode adapters with blue color
- available in SC, ST, LC and MTRJ formats
- zirconia ceramic material ferrules
- snap-in latch.

**Performances**

- SC connectors compliant with TIA/EIA 604-3 and IEC 61754-4 Ed.2
- LC connectors compliant with TIA/EIA 604-10A and IEC 61754-20 Ed.2
- ST connectors compliant with TIA/EIA 604-2 and IEC 61754-2
- MTRJ connectors compliant with TIA/EIA 604-12 and IEC 61754-18.



Description	Ref. No
<b>ST adaptors</b>	
ST adaptor, simplex, single-mode, zirconia ceramic, metal	<b>ACTFA1TSMZM</b>
ST adaptor, simplex, multi-mode, zirconia ceramic, metal	<b>ACTFA1TMMZM</b>
<b>SC adaptors</b>	
SC adaptor, simplex, single-mode, zirconia ceramic, plastic	<b>ACTFA1CSMZP</b>
SC adaptor, simplex, multi-mode, zirconia ceramic, plastic	<b>ACTFA1CMMZP</b>
SC adaptor, duplex, single-mode, zirconia ceramic, plastic	<b>ACTFA2CSMZP</b>
SC adaptor, duplex, multi-mode, zirconia ceramic, plastic	<b>ACTFA2CMMZP</b>
<b>LC adaptors</b>	
LC adaptor, duplex, single-mode, zirconia ceramic, plastic	<b>ACTFA2LSMZP</b>
LC adaptor, duplex, multi-mode, zirconia ceramic, plastic	<b>ACTFA2LMMZP</b>
<b>MTRJ adaptors</b>	
MTRJ adaptor, duplex, multi-mode, plastic	<b>ACTFA2MMMP</b>
<b>SC-ST adaptors</b>	
SC-ST adaptor, duplex, single-mode, zirconia ceramic, plastic	<b>ACTFA2CTSMZP</b>
SC-ST adaptor, duplex, multi-mode, zirconia ceramic, plastic	<b>ACTFA2CTMMZP</b>
<b>SC-LC adaptors</b>	
SC-LC adaptor, duplex, single-mode, zirconia ceramic, plastic	<b>ACTFA2CLSMZP</b>
SC-LC adaptor, duplex, multi-mode, zirconia ceramic, plastic	<b>ACTFA2CLMMZP</b>





## Enclosures for indoor needs

Wall-mounting

Floor-standing



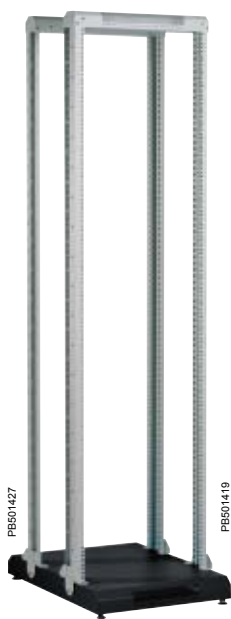
PB601435



PB601418



P133087



PB601427



PB601419



PB601631



# Actassi Enclosures

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# Actassi Enclosures

With the Actassi system you can create a seamless end-to-end network connectivity solution for all needs. There are different conditions and demands on the installations in buildings, data centres and small offices. That is why Actassi includes all possible sizes of wall-mounting and floor-standing enclosures, from 6 to 47 units in different widths, depths, colours and compositions. You can always find an Actassi enclosure that gives a perfect result.



Do you want to have other enclosures than standard? No problem. With Actassi enclosures it's possible to customize colour, accessories, specific lining etc according to your personal needs.



## The Digital Rule helps you select products

Hard to select the Actassi enclosures, RJ45 connectors, patch panels and cables? Visit [schneider-electric.com](http://schneider-electric.com) and try our Digital Rule. It's an intelligent online e-catalogue which will facilitate your choices and ensure an error-free specification.



# Actassi wall-mounting enclosures

The Actassi wall-mounting OPB OpenBox enclosures allow you to easily integrate patch panels, cables, switches and digital recorders. All the lining can be removed without tools, and with the swing-rack version of OPB, with a quick-locking system, you'll get access to the connections from the back to handle the maintenance in a convenient way. Too hot in the enclosure? No problem, it's easy to integrate a blanking plate with two fans. With Actassi KDB, the new flat-pack knock-down boxes, you save 60 % of space in the stock. And it takes only 5 minutes to assemble it.



## Actassi OPB and KDB



**Actassi OPB**  
Open Box with swing  
rack



**Actassi OPB**  
Open Box with fixed  
rack



**Actassi OPB**  
Mobile Open Box



**Actassi KDB**  
Knock-Down Box

## Actassi XS-E



**Actassi XS-E**  
Small office and Home  
office

# Maximised capacity and swift maintenance with Actassi OPB

Time for adjustments? Just open the sides and fold out the swing rack. Replace and add whatever parts you need, no tools are necessary. Fold back the rack, close the sides and you are done. To increase the flexibility of the entire installation, use the Actassi OPB as a distributed solution.



The Actassi OPB serves perfectly as a distributed solution. In a hospital for instance, the need for quick, reliable and easily expandable network connectivity can be crucial.

## Actassi OPB – open for installation

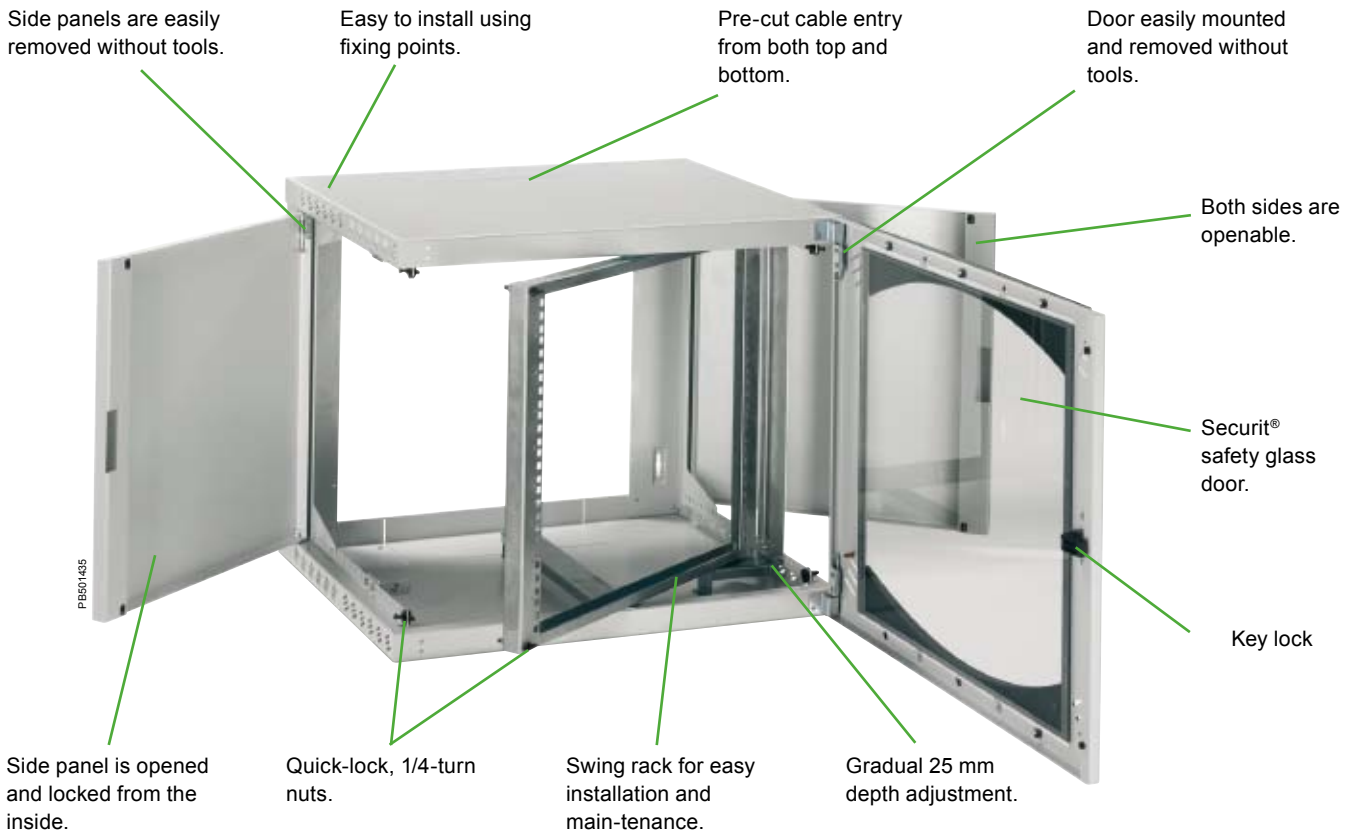
The Actassi OPB is wide open for a swift and struggle-free installation. Steady as a rock, even with the side panels and the door dismantled.

## The swing rack makes all the difference

When making the first installation, as well as continuous upgrades, you will find that the swing rack makes all the difference for you as an installer. Access from all sides, pre-cut cable entries and minimum usage of tools are some of the other features that make the OPB truly open for installation and maintenance.



P131659



# OPB

## 19" Wall Open Box

Ergonomic and adaptable



Actassi OPB is assembled at delivery, ready to use



Side panels, swing rack and door can be opened and removed without tools. Quick and easy.

# 50 kg

The body allows mounting of components up to 50 kg.



PB501472

### Easy to install

The Actassi OPB enclosure can be wall-mounted by a single person using the fixing points intended for the passage of holding screw heads into the wall.



PB501473

### Ergonomics

The side panels swing through 120° and can be easily removed without tools. Rear access is easy. Door easily removable without tools.



PB501474

### Easy to cable

The cable entries, top or bottom, are pre-cut and open into the rear of the Actassi OPB enclosure. The enclosure fits around those cables that are already in place (rear blanking plate optional).



P134923

### Adaptable

The 19" uprights are designed to be depth-adjustable with a step of 25 mm. Their fixing with screws guarantees the rigidity of the Actassi OPB enclosure.



PB501434

### Easy to install and to reverse

Its drilling template on the packaging and its 4 wall-mounting points enable quick and efficient installation while guaranteeing reversibility by simply turning the enclosure around.



PB501475

### Ergonomics

The side panels are locked from the inside by two 1/4-turn nuts, accessible only when the door is open.



# OPB

## 19" Wall Open Box with swing rack

Open for easy installation and maintenance

### Introduction and selection guides



PB501435

- Wall-mounting enclosure made from folded and welded sheet steel, powder paint, leather-grain finish, RAL 7035 light grey epoxy-polyester
- Enclosure made up of a body, 2 hinged and removable side panels, a 19" swing rack and a Securit® glass transparent door with key no. 333
- Protection rating: IP20
  - object size protected against > 12.5 mm
  - no liquid protected
- Impact Protection: IK08
  - impact energy = 5 joules
- Available enclosures:
  - 5 heights: 6, 9, 12, 15, 18U
  - 3 depths: 400, 500 and 600 mm
- Swing rack: acceptable load of 25 kg (Include 25 % of margin load rating according to the IEC 62208)
- Certifications: in compliance with the directive RoHs, with the 19" standard IEC 60297-3-100 and EIA-310-E.



Total accessibility with the swing rack and the swingable and removable side panels and door.

### Installed enclosures



Number of U	Dimensions (mm)			Enclosure reference	Blanking plate	Cable-gland plate with brush gasket	Blanking plate with 2 fans
	Height	Width	Depth				
6	380	600	400	NSYOPB6U4P	NSYOPB6UTPN	NSYECP300	To use this blanking plate with UK PDU, order UK adaptor Ref: NSYAPUFRUK
6	380	600	500	NSYOPB6U5P	NSYOPB6UTPN		
9	515	600	400	NSYOPB9U4P	NSYOPB9UTPN		
9	515	600	500	NSYOPB9U5P	NSYOPB9UTPN		
12	650	600	500	NSYOPB12U5P	NSYOPB12UTPN		
12	650	600	600	NSYOPB12U6P	NSYOPB12UTPN		
15	780	600	500	NSYOPB15U5P	NSYOPB15UTPN		
15	780	600	600	NSYOPB15U6P	NSYOPB15UTPN		
18	915	600	500	NSYOPB18U5P	NSYOPB18UTPN	NSYECVT300	



# OPB

## 19" Wall Open Box with fixed rack

Ergonomic and adaptable

### Introduction and selection guides



PB501434



2U extra space "for free", 1U in the top and 1U in the bottom. Can be used for example for power rails.

- Wall-mounting enclosure made from folded and welded sheet steel, powder paint, leather-grain finish, RAL 7035 light grey epoxy-polyester
- Enclosure made up of a body, 2 hinged and removable side panels, 19" fixed uprights and a Securit® glass transparent door or plain sheet steel door with key no. 333
- Protection rating: IP20
  - object size protected against > 12.5 mm
  - no liquid protected
- Impact Protection: IK08 (for glazed door)
  - impact energy = 5 joules
- Impact Protection: IK10 (for plain door)
  - impact energy = 20 joules
- Available enclosures:
  - 6 heights: 6, 9, 12, 15, 18, 21U
  - 3 depths: 400, 500 and 600 mm
- Fixed 19" rack. Acceptable load: 3 kg/U; max. 50 kg per enclosure (Include 25 % of margin load rating according to the IEC 62208)
- Certifications: in compliance with the directive RoHs, with the 19" standard IEC 60297-3-100 and EIA-310-E.

### Installed enclosures



PB501418



PB501436



PB501440



PB501011

Number of U	Dimensions (mm)			Enclosure reference	Blanking plate	Cable-gland plate with brush gasket	Blanking plate with 2 fans
	Height	Width	Depth				
6	380	600	400	NSYOPB6U4F	NSYOPB6UTPN	NSYECP300	To use this blanking plate with UK PDU, order UK adaptor Ref: NSYAPUFRUK
6	380	600	500	NSYOPB6U5F	NSYOPB6UTPN		
9	515	600	400	NSYOPB9U4F	NSYOPB9UTPN		
9	515	600	500	NSYOPB9U5F	NSYOPB9UTPN		
9	515	600	600	NSYOPB9U6F	NSYOPB9UTPN		
12	650	600	400	NSYOPB12U4F	NSYOPB12UTPN		
12	650	600	500	NSYOPB12U5F	NSYOPB12UTPN		
12	650	600	600	NSYOPB12U6F	NSYOPB12UTPN		
15	780	600	400	NSYOPB15U4F	NSYOPB15UTPN		
15	780	600	500	NSYOPB15U5F	NSYOPB15UTPN		
15	780	600	600	NSYOPB15U6F	NSYOPB15UTPN		
18	915	600	400	NSYOPB18U4F	NSYOPB18UTPN		
18	915	600	500	NSYOPB18U5F	NSYOPB18UTPN		
21	1050	600	500	NSYOPB21U5F	NSYOPB21UTPN		
21	1050	600	600	NSYOPB21U6F	NSYOPB21UTPN		

### Enclosure with plain door



P131668



PB501436



PB501440



PB501011

Number of U	Dimensions (mm)			Enclosure reference	Blanking plate	Cable-gland plate with brush gasket	Blanking plate with 2 fans
	Height	Width	Depth				
9	515	600	400	NSYOPB9U4FR	NSYOPB9UTPN	NSYCP300	To use this blanking plate with UK PDU, order UK adaptor Ref: NSYAPUFRUK NSYECVT300
12	650	600	400	NSYOPB12U4FR	NSYOPB12UTPN		
15	780	600	500	NSYOPB15U5FR	NSYOPB15UTPN		
18	915	600	500	NSYOPB18U5FR	NSYOPB18UTPN		

# OPB

## 19" Mobile Open Box

Flexible and versatile

### Made for audiovisual application

#### Technical characteristics

- The body of the enclosure has cut-outs at the top and bottom to allow natural ventilation
- The cables can enter through the rear opening and through the pre-cut areas on the top and bottom surfaces of the enclosure
- 4 cut-outs are provided for wall-mounting
- The 2 side panels can be opened very easily by means of two 1/4-turn nuts. These panels can be removed, without tools
- The 19" uprights in zinc-coated steel are depth-adjustable on a 25 mm step
- The Securit® glass door is completely reversible. It is equipped with a handle and a lock with closure by key no. 333. It is easily dismantable without tools
- Certifications: in compliance with the directive RoHs, with the 19" standard IEC 60297-3-100 and EIA-310-E.

#### Composition

- Actassi OPB with top and bottom cut-outs
- 1 glazed front door with a lock, key no. 333
- 1 rear plate, reference: **NSYOPB6UTPN** to **NSYOPB21UTPN**
- 4 depth-adjustable 19" uprights. Additional uprights available
- 4 castors, reference **NSYRUFOPB**
- Option of installing a plinth instead of the castors.

P6601476





PB501438

### Rear blanking plate

- Blanking plate made from sheet steel, powder paint, leather-grain finish, RAL 7035 light grey epoxy-polyester
- Delivered with the fixings required for installation.

Number of U	Ref. No
6	NSYOPB6UTPN
9	NSYOPB9UTPN
12	NSYOPB12UTPN
15	NSYOPB15UTPN
18	NSYOPB18UTPN
21	NSYOPB21UTPN



PB501439

### Additional 19" uprights

- Batch of two 19" uprights delivered with the fixings required for installation
- Material: zinc-coated sheet steel, 20/10 mm thick
- Maximum load: 3 kg/U; max. 50 kg per enclosure
- Unit marking.

Number of U	Ref. No
6	NSYOPB6UF
9	NSYOPB9UF
12	NSYOPB12UF
15	NSYOPB15UF
18	NSYOPB18UF
21	NSYOPB21UF



PB501441

### 19" uprights, rear, 2U

- Allows to save 2U on the front and to fix Power Distribution Unit on the back of the enclosure
- Batch made up of 2 partial 2U 19" uprights delivered with the fixings required for installation
- It is fixed to the rear of the enclosure
- It allows the installation of products in 19" format
- Height adjustment with a step of 44.45 mm (1U)
- Material: zinc-coated sheet steel.

Number of U	Ref. No
2	NSYSSOPB



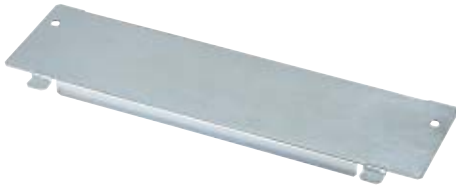
PB501445

### Cable support for enclosure, rear

- Allows to secure and guide the cables on the back of the enclosure
- Fixed to the rear of the enclosure to support and fix the cables
- Height adjustable with a step of 44.45 mm (1U)
- Material: zinc-coated steel
- Delivered with the fixings required for installation.

Cable support
NSYSPBOPB

PB501444



**Top or bottom blanking plate**

- Plain blanking plate
- Material: zinc-coated steel sheet
- Delivered with the fixings required for installation.

Ref. No
<b>NSYEC300</b>

PB501440



**Blanking plate with brush gasket**

- Fixing to the top or bottom openings of the enclosures
- Material: zinc-coated steel sheet
- Delivered with the fixings required for installation.

Dimensions (mm)	Ref. No
35 x 300	<b>NSYECP300</b>

PB501009



**Total brush gasket**

- It is fixed to the top and bottom cable entries.

Dimensions (mm)	Ref. No
100 x 300	<b>NSYECT300</b>

PB501443



**Top or bottom blanking plate with ventilation louvres**

- Fixing to the top or bottom openings of the enclosures
- Material: zinc-coated sheet steel
- Delivered with the fixings required for installation.

Ref. No
<b>NSYECAV300</b>

PB501011



**Top or bottom blanking plate with 2 fans**

- 2 fans installed and wired to on the terminal block, including a protection grille. A power supply cable of 2 m in length is supplied connected
- Free flow of 35 m<sup>3</sup>/h each
- Fixing to the top or bottom openings of the enclosures
- Material: zinc-coated sheet steel
- Delivered with the fixings required for installation
- Sound level: 35 dB (A)
- To use this blanking plate with UK PDU, order UK adaptor Ref: **NSYAPUFRUK**.

Ref. No
<b>NSYECVT300</b>



See also the 19-E  
Universal accessories

PB501488



Thermal management  
page 243

# OPB

## EA accessories

### Base accessories

PR501446



#### Levelling feet

- Delivered with the fixings required for installation
- Require drilling of the enclosure at the knock-out point for direct installation
- Batch of 4 parts.

Ref. No  
**NSYPNOPB**

PR501447



#### Wheels

- Delivered with the fixings required for installation
- Require drilling of the enclosure at the knock-out point for direct installation
- Installation possible on the plinth
- Batch of 4 parts.

Ref. No  
**NSYRUFOPB**

PR501500



#### Plinths

- Material: sheet steel, 15/10 mm thick, powder paint, leather grain finish, RAL 7011 dark grey epoxy-polyester
- Height 100 mm
- Delivered with the fixings required for installation
- Removable surfaces
- Knock-out entries on the side and rear surfaces for cable entry.

Dimensions (mm)		Ref. No
Width	Depth	
600	400	<b>NSYZUN64OPB</b>
600	500	<b>NSYZUN65OPB</b>
600	600	<b>NSYZUN66OPB</b>

PR501530



#### Brush gasket for the cable entries through the plinth

- It is fixed to the knock-out areas for the cable entries
- Delivery as a unit.

Entry width (mm)	Ref. No
75 x 400	<b>NSYJPSVD</b>

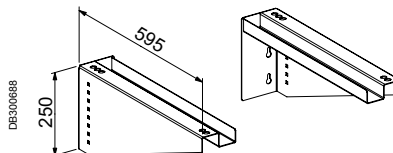
PR501531



#### Wall-mounting kit for the enclosures

- Allows wall-mounting of enclosures from 6U to 29U, with a depth of 600 mm
- Maximum load inside the enclosure: 50 kg
- The kit includes 2 brackets
- Maximum load inside the rack: 100 kg.

Enclosure depth (mm)	Ref. No
600	<b>NSYCFRS</b>



PB501442



#### Partial fixed slides

- Batch of 2 slides for supporting a drawer, a shelf or 19" hardware
- Fixing by attachment on the front 19" uprights
- Material: zinc-coated steel
- Acceptable load: 15 kg.

Width (mm)	Ref. No
140	<b>NSYGF140OPB</b>

PB501449



#### Fixed slides

- Batch of 2 slides for supporting a drawer, a shelf or 19" hardware
- Fixing by attachment between the front and rear 19" uprights
- Material: zinc-coated steel
- Heel of 0 mm
- Acceptable load: 15 kg.

Centre-to-centre distance (mm)	Ref. No
200	<b>NSYGF200OPB</b>

PB501450



#### Rear cable support on 19" uprights

- Fixing to the rear of the 19" uprights to support the cables
- Material: zinc-coated steel
- Delivered with the fixings required for installation.

Ref. No
<b>NSYSRCOPB</b>



# Actassi KDB knock-down boxes – ideal for smaller businesses

Imagine providing excellent equipment for network, telephone, security and audio video while saving up to 60 % on stock space. Add smart benefits like the flat package and the exceptional mounting time of 5 minutes, and you have the major advantages of the KDB enclosure in a little box.

## Actassi KDB knock-down box

A sturdy, robust enclosure made of welded sheet steel, with great opportunities for several kinds of installations, would probably lead to quite time- and space-consuming mounting and installation. Not the Actassi KDB knock-down boxes. The keyword is “easy”.

## Easy to stock, assemble and manage

Let's start with the package. The clever flat pack will help save up to 60 % on storage space. It's easy to stock – just grab a couple of packages from the shelf, load them into the your car and you are ready to go.

On site, the enclosure can be put up, wall-mounted and prepared for the components in just a few minutes. In addition, there are a number of handy features that provide equal easiness: the tool-less door with spring hinges for optimised access to the patch panels, the brush panel for swift cable management and the fan plates for smart ventilation.



## Save 60 % on stock space

The KDB enclosure is easy to stock and load. The flat pack allows you to save up to 60 % on space, which means you can make more installations in less time.



The Actassi KDB boxes are available at your wholesaler. Always quick and easy to find an enclosure for your needs.

**5** minutes  
**1** person  
**1** tool

Actassi KDB enclosure offers exceptional simplicity in terms of mounting and installation. One person can have the KDB set up in less than 5 minutes. And the only tool needed is a regular screwdriver.



# KDB

## 19" Wall Knock-Down Box

Simple and space-saving



P133087



### 5 minutes

You need only five minutes to mount the Actassi KDB enclosure.



Easy to assemble. You only need one single tool. A drilling template facilitates the fixation on the wall.

### 40 kg

The body allows mounting of components up to 40 kg.



P133084

**Easy to stock and ship**  
The flat-pack architecture of KDB saves 60 % of space in the stock. It is also very easy to ship and carry.



P134889

**Easy to assemble**  
The symmetric construction of the top, bottom and side panels gives easy and safe assembling.



P134891

**Easy to use**  
Tool-less door with spring hinges facilitates the access to the patch panels.



P131658

**Easy to manage the cables (option)**  
Use the 19" brush panel to manage the entry of cables in a safe way in the top and bottom.



P131653

**Smart ventilation (option)**  
Secure the installed components like switches and PABX. Use the 19" smart fan plates equipped with a thermostat adjustable from 0°C to 55°C



P134690

**Easy to adapt**  
If you need more space at the front of the enclosure, you can easily move the 19" uprights each 25 mm.

# KDB

## 19" Wall Knock-Down Box

Simple and space-saving



### Introduction and selection guides

- Flat-pack wall-mounting enclosure dismantled in 1 package
- Symmetric enclosure made from welded sheet steel, powder-painted, leather-grain finish, RAL 7035 light grey epoxy-polyester.
- Enclosure made up of a body, one pair of 19" fixed uprights and a Securit® glass transparent door with key no. 333.
- Top and bottom 19" Knock-down plates for entry cables and fans – 0U
- Protection rating: IP20
- object size protected against > 12.5 mm
- no liquid protected
- Impact Protection: IK08
- impact energy = 5 joules
- Acceptable load: 3 kg/U; max. 40 kg per enclosure.  
(Include 25 % of margin load rating according to the IEC 62208)
- Certifications: in compliance with the directive RoHs, with the 19" standard IEC 60297-3-100 and EIA-310-E
- Brush entry cables **NSYCRTM1U1PS** (in option)
- Smart fan **NSY1FAN230T** to manage the temperature from 0°C to 55°C (in option).

60 %

The flat-pack saves 60 % of space in the stock



Number of U	Dimensions (mm)			Enclosure	Brush entry cables	Smart fan
	Height	Width	Depth	Ref. No		
6U	352	600	400	<b>NSYKDB6U4F</b>	<b>NSYCRTM1U1PS</b>	<b>NSY1FAN230T</b>
9U	485	600	400	<b>NSYKDB9U4F</b>		
12U	618	600	600	<b>NSYKDB12U6F</b>		
15U	752	600	600	<b>NSYKDB15U6F</b>		

### Smart and Basic fans

- 19" fan plate
- 0U on top and bottom of the box
- 3U fixed on the 19" uprights
- Equipped with 1 or 2 fans
- 90 CFM for each one (155 m³/h)
- 230 V - AC
- plugs IEC 14 to power
- in: socket IEC C14 - To be powered with IEC C13 plug power cable
- Delivered without cable.

#### Smart fans

- Equipped with 1 adjustable thermostat 0°C to 55°C
- Equipped with 1 led switch On/Off.





#### Basic fans

- Without thermostat and switch.

Smart fans		Type	Ref. No
P133103		1 Fan	<b>NSY1FAN230T</b>
P131633		2 Fans	<b>NSY2FAN230T</b>
<b>Basic fans</b>		Type	Ref. No
P133102		1 Fan	<b>NSY1FAN230</b>
P133104		2 Fans	<b>NSY2FAN230</b>

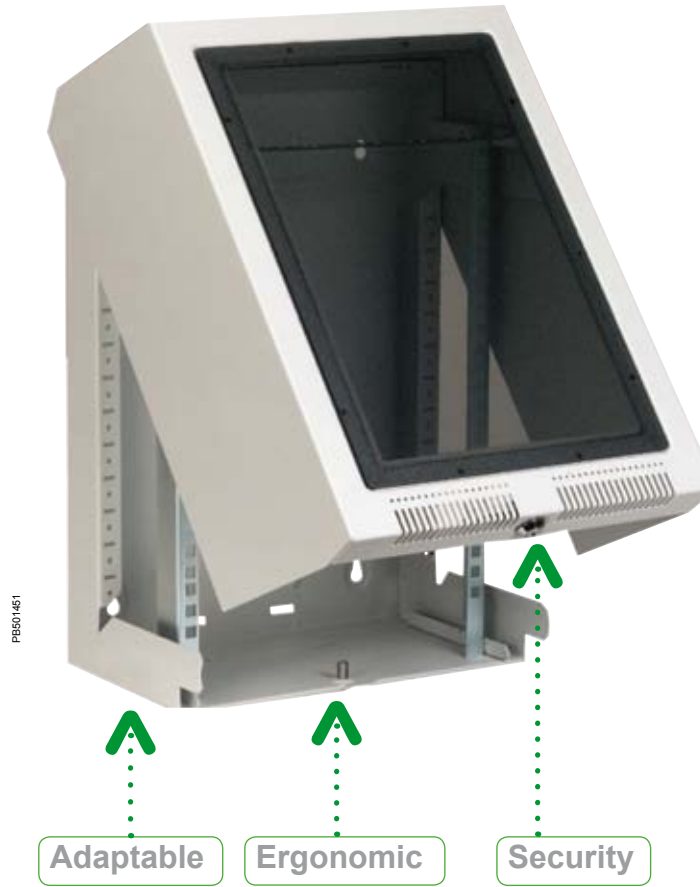
### Cables for smart & basic fan plates

- Black power cables of 3m to power the fan plates.

	Plug Out	Plug In	Ref. No		Plug Out	Plug In	Ref. No		
P133098		IEC C13	Schuko/FR	<b>NSYIEC13SCH</b>	P133100		IEC C13	DK	<b>NSYIEC13DK</b>
P133099		IEC C13	UK	<b>NSYIEC13UK</b>	P133101		IEC C13	IEC C14	<b>NSYIEC13IEC14</b>

# XS-E

Small Office and Home Office  
4 and 8U



# XS-E

## Small Office and Home Office

### 4 and 8U

PB501452



PB501453



#### Adaptable

two uprights, depth-adjustable in steps of 12.5 mm.

PB501454



#### Security

The transparent cover, locking with key no. 410, provides physical protection of the connections and prevents unauthorised manipulation of the interconnections.

PB501458



PB501455



#### Ergonomic

The cover can be completely removed: the internal wiring is easy.

PB501456



PB501457



#### Easy to cable

Knock-out cable entries on each side allow easy insertion of the cables.



# XS-E

## Small Office and Home Office

### 4 and 8U

PE601433



- Wall-mounting enclosure made from folded and welded sheet steel, textured, RAL 7035 light grey epoxy-polyester paint
- monobloc body
- detachable and lockable cover
- Enclosure available in two heights, 4U and 8U.

#### Technical characteristics

##### Enclosure body

- 4 wall-mounting points
- 2 uprights, depth-adjustable in steps of 12.5 mm and centre-to-centre distance for fixing front panels to the rack of 251.8 mm
- Cable entries:
  - on the top and bottom panels (110 x 50 mm)
  - on the side panels (110 x 25 mm)
  - on the rear plate (110 x 150 mm)
- Perforations in the bottom and the sides of the enclosure allow the cables to be fixed by a cable tie.

##### Cover

- Front plate made from tinted transparent polycarbonate set in a metal frame
- Locking by key no. 410
- Equipped with perforations at the bottom for natural ventilation.

PE601459



Number of U	Height (mm)	Width (mm)	Depth (mm)	Ref. No
4	290	310	201	NSYVDH4UF
8	460	310	201	NSYVDH8UF

PB501460

**Shelf for supporting 1U hardware**

- Folded sheet steel, textured, RAL 7035 light grey epoxy-polyester paint
- Assembly with fixings reference **NSYGFR95M65**.

Ref. No

**NSYBFMF1U12**

PB501461

**1U blanking plate**

- Folded sheet steel, textured, RAL 7035 light grey epoxy-polyester paint
- Assembly with fixings reference **NSYGFR95M65**.

Ref. No

**NSYCRTMH1U**

P131676

**1U front panel, with cable-gland opening**

- Folded sheet steel, textured, RAL 7035 light grey epoxy-polyester paint
- Opening protected by a seal
- Assembly with fixings reference **NSYGFR95M65**.

Ref. No

**NSYCRTMH1UPC**

PB501463

**1U front panel, for RJ45 connectors with 45 x 45 mm or 22.5 x 45 mm supports**

- Folded sheet steel, textured, RAL 7035 light grey epoxy-polyester paint
- Option of installing nine 22.5 x 45 mm RJ45 connectors.

Ref. No

**NSYCRTMH1U9T**

P131677

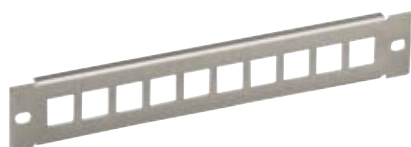
**1U front panel, for RJ45 connectors**

- Delivered without connectors and without support
- Folded sheet steel, textured, RAL 7035 light grey epoxy-polyester paint
- Compatible with Slim and Actassi S-One RJ45 connectors.

Ref. No

**NSYCRTMH1U12T**

PB501465

**1U front panels, for RJ45 connectors**

- Folded sheet steel, textured, RAL 7035 light grey epoxy-polyester paint
- Delivered without connector.

A

15

B

19

Ref. No

**NSYCRTMH1U10T**

# Actassi floor-standing enclosures

Are you looking for an enclosure that is robust and very quick to install? Actassi VDA should be your choice. Smart details and a possibility to choose pre-installed accessories reduce the installation time. If you need a top-of-the-line server enclosure, Actassi VDS is difficult to beat. It can be mounted with up to 750 kg of 19" components, and the micro-perforated door ensures superior air flow (above 80 %).



**Actassi BTR**  
Technical rack



**Actassi VDA**  
Cabling enclosure



**Actassi VDA-B**  
Cabling enclosure



**Actassi VDA-E**  
Cabling enclosure



**Actassi VDA-L**  
Cabling enclosure.  
Prepared for Ruko  
locking system



**Actassi VDS**  
Server enclosure

# BTR

## Technical rack

### Introduction

#### Heights of 24U and 42U

#### Applications

- Test rack
- Mixing rack
- Prototype rack.

#### To be made up of

- 1 steel plinth, 600 x 600 mm
- Two 19" uprights, height of 24 or 42U
- 1 steel cross rail delivered with the 19" uprights
- The fixings required for installation delivered with the 19" uprights.

#### Advantages

- Shorter assembly time
- Simple handling of the unit by a single operator
- Reduced storage space
- Minimum external dimensions
- Quick coupling
- Option of installing handling castors
- Option of installing 19" accessories:
  - shelves with a depth of 600 mm, ref. **NSYBBF1U40P**, **NSYBBF1U40**, **NSYBBT1U40P**, **NSYBBT1U40** on four 19" uprights
  - support plates **NSYBF2U25P** and **NSYBF2U40P** on two 19" uprights,
  - guides **NSYGCA46**, **NSYGCA410** and **NSYGCA1010**.
- Acceptable static load: 150 kg
- Certifications: in compliance with the directive RoHs, with the 19" standard IEC 60297-3-100 and EIA-310D.



No. of usable U	Batirack plinth ref.	19" upright and cross-rail kit	Castor ref.	Cable entry trim strips
24U	<b>NSYZUN66BTR</b>	<b>NSYBTR24U</b>	<b>NSYRUFVDA</b>	-
42U	<b>NSYZUN66BTR</b>	<b>NSYBTR42U</b>	<b>NSYRUFVDA</b>	<b>NSYPEPM42UBTR</b>

# BTR

## Tempory installation

### Composition accessories

PB501613



#### Batirack plinth

- Steel plinth, 2 mm thick, format 600 x 600 mm
- RAL 7011 dark grey paint
- Delivered with 4 installation feet.

Ref. No  
**NSYZUN66BTR**

PB501614



#### 19" upright and cross-rail kits

- Kit made up of:
  - two 19" steel uprights, 2.5 mm thick, RAL 7035 light grey paint, height of 24 or 42U. Depth-adjustable uprights with a pitch of 25 mm (4 adjustments possible).
  - 1 steel cross rail, 2 mm thick, RAL 7035 light grey paint
  - fixings required for installation.

Number of U	Ref. No
24	<b>NSYBTR24U</b>
42	<b>NSYBTR42U</b>

PB501616



#### Coupling kit

- For coupling 2 Batiracks
- Kit made up of 2 spacers, one plate and the fixings required for installation.

Ref. No  
**NSYKYUXBTR**

PB501617



#### Cable-entry trim strips

- Installed on the 2 spacers of the coupling kit, reference **NSYKYUXBTR**
- Fixing by 4 screws.

Number of U	Ref. No
42	<b>NSYPEPM42UBTR</b>

PB501618



### Complementary accessories

#### Floor-standing kit

- Kit made up of 4 brackets and 4 screws.

Ref. No  
**NSYKFSBTR**

PB501619



#### Stiffening kit

- Batch of 2 cable-support stiffening kits
- Installed between the front and rear 19" uprights, with a standard depth of 600 mm.

Ref. No  
**NSYTSCBTR**

# VDA

## Easy to install and to integrate 19" Cabling enclosure

### Adaptable

The Configured offer allows you to clad the rack according to your needs:

- 2 framework models,
- 13 door models,
- 2 side panel models.

### Aesthetics and customisation

3 models referenced: VDA, VDA-B, VDA-E.

2 colour variants:

- bi-colour: RAL 7035 light grey and RAL 7011 dark grey,
- bi-colour: RAL 9011 black and RAL 7011 dark grey.

### Saves time

All the doors can be installed and removed quickly. The cladding can be installed and removed by a single operator. The feet can be adjusted from the inside.

### Rigidity and sturdiness

400 kg of acceptable static load. Option of increasing to 500 kg using a rigidity kit.



PB501419



PB501535



PB501537



PB501532



PB501538



# VDA

## Easy to install and to integrate

### 19" Cabling enclosure



PB501533

#### Innovating

The side cable entry is the most ergonomic and efficient solution on the market. The top and bottom openings, flush with the structure, allow the strands to be prepared before installing the rack. These openings also allow for easy maintenance and are closed when the side panels are installed.



PB501536

#### Ergonomics

The routing of the cable glands is easier:

- Knock-out side cable glands at top and bottom.
- Knock-out rear cable glands at top and bottom.
- Large opening on the roof, offset towards the rear and equipped with a removable plate. Allows the integration of live equipment at the top and the entry of cables by the rear.
- Large opening at the bottom.



PB501543

#### Accessories

The central openings on the roof and the base support multiple blanking plate combinations (plain, with brush gasket or ventilated). Optional installation of the blanking plates with the roof plate thanks to the roof stand-offs.



Panels and doors can be installed and removed quickly by a single operator.



PB501535

PB501534

#### A harmonious design

With modern aesthetics: strip, handle, hinge, in rounded shape, RAL 7011 dark grey.



PB501539

#### Security

The latches of the panels can be equipped with a key locking system (the key is identical for all the doors).



PB501540

#### Smart

The pivot and guide system allows the panels to be returned to their place quickly, with maximum security.



The ventilation is adjustable and does not take up any units (1 to 9 fans).



PB501541

#### Practical

Marking of the units on the front panel and on the side for quick installation of the equipment. The 19" uprights are easily depth-adjustable on the site.



PB501542

#### Adaptable ventilation

The roof ventilation is depth-adjustable and does not take up any units. Option of installing 1 to 9 fans according to the size of your enclosure.

### Introduction

#### VDA racks, RAL 7035 Light Grey

- Designed for circulation applications with switches and routers
- 6 heights: 24U, 29U, 33U, 38U, 42U and 47U
- 2 widths: 600 and 800 mm
- 3 depths: 600, 800 and 1000 mm
- Acceptable static load: 400 kg
- Dynamic load: 250 kg
- Color:
  - light Grey (RAL 7035) for lining
  - dark Grey (RAL 7011) for framework or
  - black (RAL 9011)
- Protection rating: IP20
  - object size protected against > 12.5 mm
  - no liquid protected
- Impact Protection: IK08
  - impact energy = 5 joules
- Certifications: in compliance with the directive RoHs, with the 19" standard IEC 60297-3-100 and EIA-310D.



PB501520

#### VDA rack composition

- Top and bottom frames, mechanically assembled by Torx screws to the vertical structure uprights, thus forming a rigid framework
- Base without blanking plate
- Cut-out roof, closed with a removable blanking plate
- Glazed reversible front door, 4 mm Securit® glass, opening to 180°, 1-point lock with a key no. 333. Hinges on the right as standard
- Plain partial rear door, opening to 180°, 1-point lock with a key no. 333. Hinge on the right as standard
- Top and bottom side cable glands flush with the structure
- Top and bottom side knock-out areas for cable entry, with a width of 800 mm
- Large opening on the bottom and large knock-out area on the rear for cable entry
- Levelling feet installed
- Two 19" uprights made from treated steel, installed 100 mm back from the front surface and depth-adjustable in steps of 25 mm
- Delivered on a pallet covered with film
- Coupling kit not supplied
- If using the rack alone, order the side panels separately
- In the event of coupling, use the coupling kit (ref. **NSYCUNVDA**) and the brush gasket (ref. **NSYCUNPL600**, **NSYCUNPL800** and **NSYCUNPL1000**) to close the cable entry left by the 2 side panels.



PB501546

#### VDA racks, RAL 9011 black

- 2 heights: 24U and 42U
- 2 widths: 600 and 800 mm
- 3 depths: 600, 800 and 1000 mm.

#### VDA rack composition

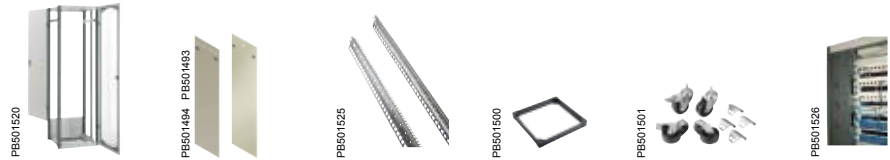
- Identical composition to the above equipped rack
- Delivered assembled.

# VDA

## Functional and adapted for evolution

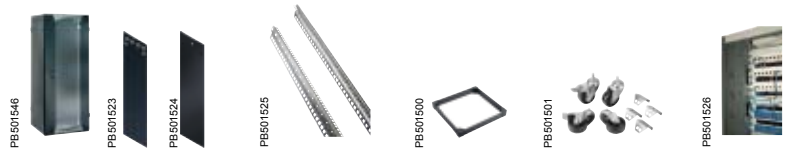
### Selection guide

#### VDA racks, RAL 7035 Light Grey



Number of U	Height (mm)	Width (mm)	Depth (mm)	Rack without panels	Side panels	19" uprights	Plinth 100 mm	Handling castors	Cable-gland trim
24U	1200	600	600	NSYVDAC24U66	NSY2PLVDC24U6	NSYBR9F24	NSYZUN66VDA	NSYRUFVDA	-
24U	1200	600	800	NSYVDAC24U68	NSY2PLVDC24U8	NSYBR9F24	NSYZUN68VDA	NSYRUFVDA	-
24U	1200	600	1000	NSYVDAC24U610	NSY2PLVDC24U10	NSYBR9F24	NSYZUN610VDA	NSYRUFVDA	-
24U	1200	800	600	NSYVDAC24U86	NSY2PLVDC24U6	NSYBR9F24	NSYZUN86VDA	NSYRUFVDA	NSYYPV24
24U	1200	800	800	NSYVDAC24U88	NSY2PLVDC24U8	NSYBR9F24	NSYZUN88VDA	NSYRUFVDA	NSYYPV24
24U	1200	800	1000	NSYVDAC24U810	NSY2PLVDC24U10	NSYBR9F24	NSYZUN810VDA	NSYRUFVDA	NSYYPV24
29U	1400	600	600	NSYVDAC29U66	NSY2PLVDC29U6	NSYBR9F29	NSYZUN66VDA	NSYRUFVDA	-
29U	1400	600	800	NSYVDAC29U68	NSY2PLVDC29U8	NSYBR9F29	NSYZUN68VDA	NSYRUFVDA	-
29U	1400	800	600	NSYVDAC29U86	NSY2PLVDC29U6	NSYBR9F29	NSYZUN86VDA	NSYRUFVDA	-
29U	1400	800	800	NSYVDAC29U88	NSY2PLVDC29U8	NSYBR9F29	NSYZUN88VDA	NSYRUFVDA	-
33U	1600	600	600	NSYVDAC33U66	NSY2PLVDC33U6	NSYBR9F33	NSYZUN66VDA	NSYRUFVDA	-
33U	1600	600	800	NSYVDAC33U68	NSY2PLVDC33U8	NSYBR9F33	NSYZUN68VDA	NSYRUFVDA	-
33U	1600	800	600	NSYVDAC33U86	NSY2PLVDC33U6	NSYBR9F33	NSYZUN86VDA	NSYRUFVDA	NSYYPV33
33U	1600	800	800	NSYVDAC33U88	NSY2PLVDC33U8	NSYBR9F33	NSYZUN88VDA	NSYRUFVDA	NSYYPV33
38U	1800	600	600	NSYVDAC38U66	NSY2PLVDC38U6	NSYBR9F38	NSYZUN66VDA	NSYRUFVDA	-
38U	1800	600	800	NSYVDAC38U68	NSY2PLVDC38U8	NSYBR9F38	NSYZUN68VDA	NSYRUFVDA	-
38U	1800	800	600	NSYVDAC38U86	NSY2PLVDC38U6	NSYBR9F38	NSYZUN86VDA	NSYRUFVDA	NSYYPV38
38U	1800	800	800	NSYVDAC38U88	NSY2PLVDC38U8	NSYBR9F38	NSYZUN88VDA	NSYRUFVDA	NSYYPV38
42U	2000	600	600	NSYVDAC42U66	NSY2PLVDC42U6	NSYBR9F42	NSYZUN66VDA	NSYRUFVDA	-
42U	2000	600	800	NSYVDAC42U68	NSY2PLVDC42U8	NSYBR9F42	NSYZUN68VDA	NSYRUFVDA	-
42U	2000	600	1000	NSYVDAC42U610	NSY2PLVDC42U10	NSYBR9F42	NSYZUN610VDA	NSYRUFVDA	-
42U	2000	800	600	NSYVDAC42U86	NSY2PLVDC42U6	NSYBR9F42	NSYZUN86VDA	NSYRUFVDA	NSYYPV42
42U	2000	800	800	NSYVDAC42U88	NSY2PLVDC42U8	NSYBR9F42	NSYZUN88VDA	NSYRUFVDA	NSYYPV42
42U	2000	800	1000	NSYVDAC42U810	NSY2PLVDC42U10	NSYBR9F42	NSYZUN810VDA	NSYRUFVDA	NSYYPV42
47U	2200	600	600	NSYVDAC47U66	NSY2PLVDC47U6	NSYBR9F47	NSYZUN66VDA	NSYRUFVDA	-
47U	2200	600	800	NSYVDAC47U68	NSY2PLVDC47U8	NSYBR9F47	NSYZUN68VDA	NSYRUFVDA	-
47U	2000	800	600	NSYVDAC47U86	NSY2PLVDC47U6	NSYBR9F47	NSYZUN86VDA	NSYRUFVDA	NSYYPV42
47U	2000	800	800	NSYVDAC47U88	NSY2PLVDC47U8	NSYBR9F47	NSYZUN88VDA	NSYRUFVDA	NSYYPV42

#### VDA racks, RAL 9011 Black



Number of U	Height (mm)	Width (mm)	Depth (mm)	Rack without panels	Side panels	19" uprights	Plinth 100 mm	Handling castors	Cable-gland trim
24U	1200	600	600	NSYVDAC24U66N	NSY2PLVDC24U6N	NSYBR9F24	NSYZUN66VDA	NSYRUFVDA	-
24U	1200	600	800	NSYVDAC24U68N	NSY2PLVDC24U8N	NSYBR9F24	NSYZUN68VDA	NSYRUFVDA	-
24U	1200	600	1000	NSYVDAC24U610N	NSY2PLVDC24U10N	NSYBR9F24	NSYZUN610VDA	NSYRUFVDA	-
24U	1200	800	600	NSYVDAC24U86N	NSY2PLVDC24U6N	NSYBR9F24	NSYZUN86VDA	NSYRUFVDA	NSYYPV24
24U	1200	800	800	NSYVDAC24U88N	NSY2PLVDC24U8N	NSYBR9F24	NSYZUN88VDA	NSYRUFVDA	NSYYPV24
24U	1200	800	1000	NSYVDAC24U810N	NSY2PLVDC24U10N	NSYBR9F24	NSYZUN810VDA	NSYRUFVDA	NSYYPV24
42U	2000	600	600	NSYVDAC42U66N	NSY2PLVDC42U6N	NSYBR9F42	NSYZUN66VDA	NSYRUFVDA	-
42U	2000	600	800	NSYVDAC42U68N	NSY2PLVDC42U8N	NSYBR9F42	NSYZUN68VDA	NSYRUFVDA	-
42U	2000	600	1000	NSYVDAC42U610N	NSY2PLVDC42U10N	NSYBR9F42	NSYZUN610VDA	NSYRUFVDA	-
42U	2000	800	600	NSYVDAC42U86N	NSY2PLVDC42U6N	NSYBR9F42	NSYZUN86VDA	NSYRUFVDA	NSYYPV42
42U	2000	800	800	NSYVDAC42U88N	NSY2PLVDC42U8N	NSYBR9F42	NSYZUN88VDA	NSYRUFVDA	NSYYPV42
42U	2000	800	1000	NSYVDAC42U810N	NSY2PLVDC42U10N	NSYBR9F42	NSYZUN810VDA	NSYRUFVDA	NSYYPV42

# VDA-B

## Simple and functional

### Introduction

#### VDA-B rack

- Designed for circulation applications with switches and routers
- 6 heights: 24U, 29U, 33U, 38U, 42U and 47U
- 2 widths: 600 and 800 mm
- 3 depths: 600, 800 and 1000 mm
- Acceptable static load: 400 kg
- Dynamic load: 250 kg
- Color:
  - light Grey (RAL 7035) for lining
  - dark Grey (RAL 7011) for framework
- Protection rating: IP20
  - object size protected against > 12.5 mm
  - no liquid protected
- Impact Protection: IK08
  - impact energy = 5 joules
- Certifications: in compliance with the directive RoHs, with the 19" standard IEC 60297-3-100 and EIA-310D.

#### Rack composition

- Top and bottom frames, mechanically assembled by Torx screws to the vertical structure uprights, thus forming a rigid framework
- Base without blanking plate
- Cut-out roof, closed with a removable blanking plate
- Glazed reversible front door, 4 mm Securit® glass, opening to 180°, 1-point lock with a key no. 333. Hinges on the right as standard
- Rear panel with quick installation and removal, locking by latches
- Side panels with louvres, with quick installation and removal, locking by latches
- Top and bottom side cable glands flush with the structure
- Top and bottom side knock-out areas for cable entry, with a width of 800 mm
- Large opening on the bottom and large knock-out area on the rear for cable entry.
- Levelling feet installed
- Two 19" uprights made from treated steel, installed 100 mm back from the front surface and depth-adjustable in steps of 25 mm
- Delivered on a pallet covered with film.

#### Composition of the rack without side panels

- Exactly the same composition as the above rack, but without the side panels
- Coupling kit not supplied
- In the event of coupling, use the coupling kit (ref. **NSYCUNVDA**) and the brush gasket (ref. **NSYCUNPL600**, **NSYCUNPL800** or **NSYCUNPL1000**) to close the cable entry left by the 2 side panels.

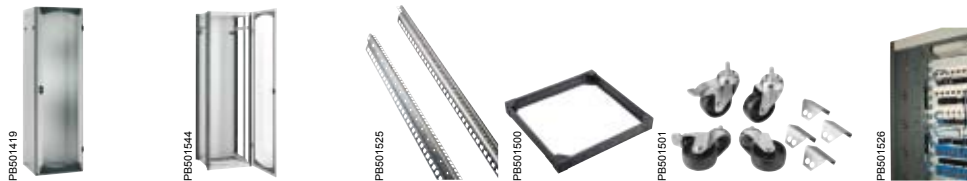


# VDA-B

## Simple and functional

### Selection guide

VDA-B racks, RAL 7035 Light Grey



Number of U	Height (mm)	Width (mm)	Depth (mm)	Rack with side panels	Rack without side panels	19" uprights	100 mm plinth	Handling castors	Cable-gland trim
24U	1200	600	600	NSYVDA24U66B	-	NSYBR9F24	NSYZUN66VDA	NSYRUFVDA	-
24U	1200	600	800	NSYVDA24U68B	-	NSYBR9F24	NSYZUN68VDA	NSYRUFVDA	-
24U	1200	600	1000	NSYVDA24U610B	-	NSYBR9F24	NSYZUN610VDA	NSYRUFVDA	-
24U	1200	800	600	NSYVDA24U86B	-	NSYBR9F24	NSYZUN66VDA	NSYRUFVDA	NSYPV24
24U	1200	800	800	NSYVDA24U88B	-	NSYBR9F24	NSYZUN88VDA	NSYRUFVDA	NSYPV24
24U	1200	800	1000	NSYVDA24U810B	-	NSYBR9F24	NSYZUN810VDA	NSYRUFVDA	NSYPV24
29U	1400	600	600	NSYVDA29U66B	-	NSYBR9F29	NSYZUN66VDA	NSYRUFVDA	-
29U	1400	600	800	NSYVDA29U68B	-	NSYBR9F29	NSYZUN68VDA	NSYRUFVDA	-
29U	1400	800	600	NSYVDA29U86B	-	NSYBR9F29	NSYZUN66VDA	NSYRUFVDA	-
29U	1400	800	800	NSYVDA29U88B	-	NSYBR9F29	NSYZUN88VDA	NSYRUFVDA	-
33U	1600	600	600	NSYVDA33U66B	-	NSYBR9F33	NSYZUN66VDA	NSYRUFVDA	-
33U	1600	600	800	NSYVDA33U68B	-	NSYBR9F33	NSYZUN68VDA	NSYRUFVDA	-
33U	1600	800	600	NSYVDA33U86B	-	NSYBR9F33	NSYZUN66VDA	NSYRUFVDA	NSYPV33
33U	1600	800	800	NSYVDA33U88B	-	NSYBR9F33	NSYZUN88VDA	NSYRUFVDA	NSYPV33
38U	1800	600	600	NSYVDA38U66B	-	NSYBR9F38	NSYZUN66VDA	NSYRUFVDA	-
38U	1800	600	800	NSYVDA38U68B	-	NSYBR9F38	NSYZUN68VDA	NSYRUFVDA	-
38U	1800	800	600	NSYVDA38U86B	-	NSYBR9F38	NSYZUN66VDA	NSYRUFVDA	NSYPV38
38U	1800	800	800	NSYVDA38U88B	-	NSYBR9F38	NSYZUN88VDA	NSYRUFVDA	NSYPV38
42U	2000	600	600	NSYVDA42U66B	NSYVDAC42U66B	NSYBR9F42	NSYZUN66VDA	NSYRUFVDA	-
42U	2000	600	800	NSYVDA42U68B	NSYVDAC42U68B	NSYBR9F42	NSYZUN68VDA	NSYRUFVDA	-
42U	2000	600	1000	NSYVDA42U610B	NSYVDAC42U610B	NSYBR9F42	NSYZUN610VDA	NSYRUFVDA	-
42U	2000	800	600	NSYVDA42U86B	NSYVDAC42U86B	NSYBR9F42	NSYZUN66VDA	NSYRUFVDA	NSYPV42
42U	2000	800	800	NSYVDA42U88B	NSYVDAC42U88B	NSYBR9F42	NSYZUN88VDA	NSYRUFVDA	NSYPV42
42U	2000	800	1000	NSYVDA42U810B	NSYVDAC42U810B	NSYBR9F42	NSYZUN810VDA	NSYRUFVDA	NSYPV42
47U	2200	600	600	NSYVDA47U66B	-	NSYBR9F47	NSYZUN66VDA	NSYRUFVDA	-
47U	2200	600	800	NSYVDA47U68B	-	NSYBR9F47	NSYZUN68VDA	NSYRUFVDA	-
47U	2200	800	600	NSYVDA47U86B	-	NSYBR9F47	NSYZUN66VDA	NSYRUFVDA	NSYPV47
47U	2200	800	800	NSYVDA47U88B	-	NSYBR9F47	NSYZUN88VDA	NSYRUFVDA	NSYPV47

# VDA-E

## Equipped and ready to use

### Introduction

#### VDA-E rack

- Designed for IT and video applications among others
- 4 heights: 24U, 38U, 42U and 47U
- 2 widths: 600 and 800 mm
- 3 depths: 600, 800 and 1000 mm.
- Acceptable static load: 400 kg
- Dynamic load: 250 kg
- Color:
  - light Grey (RAL 7035) for lining
  - dark Grey (RAL 7011) for framework or
  - black (RAL 9011)
- Protection rating: IP20
- object size protected against > 12.5 mm
- no liquid protected
- Impact Protection: IK08
- impact energy = 5 joules
- Certifications: in compliance with the directive RoHs, with the 19" standard IEC 60297-3-100 and EIA-310D.

#### Rack composition

- Top and bottom frames, mechanically assembled by Torx screws to the vertical structure uprights, thus forming a rigid framework
- Base without blanking plate
- Cut-out roof, closed with a removable plain sheet
- Glazed reversible front door, 4 mm Securit® glass, opening to 180°, 2-point lock with a key no. 333 and handle. Hinges on the right as standard. Option of adding a third central locking point as an accessory, with reference **NSYAEDN3PVD**
- Reversible full plain rear door, 1-point lock with a key no. 333, opening to 180°
- Side panels with louvres, with quick installation and removal, locking by latches
- Top and bottom side cable glands flush with the structure
- Top and bottom side knock-out areas for cable entry, with a width of 800 mm
- Large opening on the bottom and large knock-out area on the rear for cable entry
- Levelling feet installed
- Four 19" uprights made from treated steel, installed 100 mm back from the front plate and depth-adjustable in steps of 25 mm
- Delivered on a pallet covered with film
- Earthing kit pre-installed
- 1 bag of fixings with 30 M6 screws + washers + caged nuts.

#### Composition of the rack without side panels

- Exactly the same composition as the above rack, but without the side panels
- Coupling kit not supplied
- In the event of coupling, use the coupling kit (ref. **NSYCUNVDA**) and the brush gasket (ref. **NSYCUNPL600**, **NSYCUNPL800** or **NSYCUNPL1000**) to close the cable entry left by the 2 side panels.
- VDA-E racks, RAL 9011 black cladding
- 1 height: 42U
- 2 widths: 600 and 800 mm
- 3 depths: 600, 800 and 1000 mm
- Rack composition
- Identical composition to the above rack with side pannels
- Delivered assembled.



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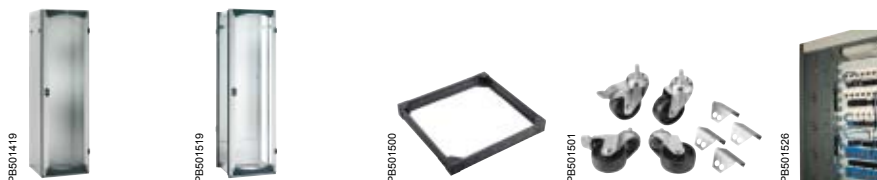


# VDA-E

## Equipped and ready to use

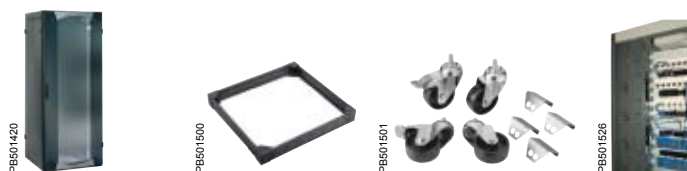
### Selection guide

#### VDA-E racks, RAL 7035 Light Grey,



Number of U	Height (mm)	Width (mm)	Depth (mm)	Rack with side panels	Rack without side panels	100 mm plinth	Handling castors	Cable-gland trim
24U	1200	600	600	NSYVDA24U66E	-	NSYZUN66VDA	NSYRUFVDA	-
24U	1200	600	800	NSYVDA24U68E	-	NSYZUN68VDA	NSYRUFVDA	-
24U	1200	600	1000	NSYVDA24U610E	-	NSYZUN610VDA	NSYRUFVDA	-
24U	1200	800	600	NSYVDA24U86E	-	NSYZUN66VDA	NSYRUFVDA	NSYPV24
24U	1200	800	800	NSYVDA24U88E	-	NSYZUN88VDA	NSYRUFVDA	NSYPV24
24U	1200	800	1000	NSYVDA24U810E	-	NSYZUN810VDA	NSYRUFVDA	NSYPV24
38U	1800	600	600	NSYVDA38U66E	-	NSYZUN66VDA	NSYRUFVDA	-
38U	1800	600	800	NSYVDA38U68E	-	NSYZUN68VDA	NSYRUFVDA	-
38U	1800	800	600	NSYVDA38U86E	-	NSYZUN66VDA	NSYRUFVDA	NSYPV38
38U	1800	800	800	NSYVDA38U88E	-	NSYZUN88VDA	NSYRUFVDA	NSYPV38
42U	2000	600	600	NSYVDA42U66E	NSYVDAC42U66E	NSYZUN66VDA	NSYRUFVDA	-
42U	2000	600	800	NSYVDA42U68E	NSYVDAC42U68E	NSYZUN68VDA	NSYRUFVDA	-
42U	2000	600	1000	NSYVDA42U610E	NSYVDAC42U610E	NSYZUN610VDA	NSYRUFVDA	-
42U	2000	800	600	NSYVDA42U86E	NSYVDAC42U86E	NSYZUN66VDA	NSYRUFVDA	NSYPV42
42U	2000	800	800	NSYVDA42U88E	NSYVDAC42U88E	NSYZUN88VDA	NSYRUFVDA	NSYPV42
42U	2000	800	1000	NSYVDA42U810E	NSYVDAC42U810E	NSYZUN810VDA	NSYRUFVDA	NSYPV42
47U	2200	600	600	NSYVDA47U66E	-	NSYZUN66VDA	NSYRUFVDA	-
47U	2200	600	800	NSYVDA47U68E	-	NSYZUN68VDA	NSYRUFVDA	-
47U	2200	800	600	NSYVDA47U86E	-	NSYZUN66VDA	NSYRUFVDA	NSYPV47
47U	2200	800	800	NSYVDA47U88E	-	NSYZUN88VDA	NSYRUFVDA	NSYPV47

#### VDA-E racks, RAL 9011 black



Number of U	Height (mm)	Width (mm)	Depth (mm)	Rack with side panels	Rack without side panels	100 mm plinth	Handling castors	Cable-gland trim
42U	2000	600	600	NSYVDA42U66EN	-	NSYZUN66VDA	NSYRUFVDA	-
42U	2000	600	800	NSYVDA42U68EN	-	NSYZUN68VDA	NSYRUFVDA	-
42U	2000	600	1000	NSYVDA42U610EN	-	NSYZUN610VDA	NSYRUFVDA	-
42U	2000	800	600	NSYVDA42U86EN	-	NSYZUN86VDA	NSYRUFVDA	NSYPV42
42U	2000	800	800	NSYVDA42U88EN	-	NSYZUN88VDA	NSYRUFVDA	NSYPV42
42U	2000	800	1000	NSYVDA42U810EN	-	NSYZUN810VDA	NSYRUFVDA	NSYPV42



# VDA-L

## Prepared for Ruko locking system

### Introduction

#### VDA-L rack, RAL 7035 Light Grey

- Designed for IT and video applications among others
- Height: 24U - 42U
- 2 widths: 600 and 800 mm
- 2 depths: 600 and 800
- Acceptable static load: 400 kg
- Dynamic load: 250 kg
- Color:
  - light Grey (RAL 7035) for lining
  - dark Grey (RAL 7011) for framework or
  - black (RAL 9011)
- Protection rating: IP20
- object size protected against > 12.5 mm
- no liquid protected
- Impact Protection: IK08
- impact energy = 5 joules
- Certifications: in compliance with the directive RoHs, with the 19" standard IEC 60297-3-100 and EIA-310D.

#### Rack composition

- Top and bottom frames, mechanically assembled by Torx screws to the vertical structure uprights, thus forming a rigid framework
- Base without blanking plate
- Cut-out roof, closed with a removable plate equipped with a brush gasket
- Glazed or front door, 4 mm Securit® glass, opening to 180°, 2-point lock with a key no. EK333 and handle. Hinges on the right as standard. Option of adding a third central locking point as an accessory, with reference **NSYAEDN3PVD**
- Single rear panel
- Side panels with quick installation and removal, locking by latches
- Top and bottom side cable glands flush with the structure
- Top and bottom side knock-out areas for cable entry, with a width of 800 mm
- Large opening on the bottom and large knock-out area on the rear for cable entry
- Levelling feet
- One pair of 19" uprights made from treated steel, installed 100 mm back from the front plate and depth-adjustable in steps of 25 mm
- Delivered on a pallet covered with film.

#### Composition of the rack without side panels

- Exactly the same composition as the above rack, but without the side panels.
- Coupling kit not supplied
- In the event of coupling, use the coupling kit (ref. **NSYCUNVDA**) and the brush gasket (ref. **NSYCUNPL600**, **NSYCUNPL800** or **NSYCUNPL1000**) to close the cable entry left by the 2 side panels.

#### VDA-L racks, RAL 9011 black

- 1 height: 42U
- 1 width: 800 mm
- 1 depths: 1000 mm.

#### Rack composition

- Same composition to the above rack with glazed door
- Two pairs of 19" uprights made from treated steel, installed 100 mm back from the front plate and depth-adjustable in steps of 25 mm
- Delivered assembled.



PB501545



PB501420

## Selection guide

### VDA-L racks, RAL 7035 Light Grey



Number of U	Height (mm)	Width (mm)	Depth (mm)	Rack with glazed door	Rack with plain door	19" uprights	100 mm plinth	Handling castors
24U	1200	600	800	NSYVDA24U68L	-	NSYBR9F24	NSYZUN68VDA	NSYRUFVDA
42U	2000	600	600	NSYVDA42U66L	NSYVDA42U66LR	NSYBR9F42	NSYZUN66VDA	NSYRUFVDA
42U	2000	600	800	NSYVDA42U68L	NSYVDA42U68LR	NSYBR9F42	NSYZUN68VDA	NSYRUFVDA
42U	2000	800	800	NSYVDA42U88L	NSYVDA42U88LR	NSYBR9F42	NSYZUN88VDA	NSYRUFVDA
42U	2000	800	600	NSYVDA42U86L	NSYVDA42U86LR	NSYBR9F47	NSYZUN86VDA	NSYRUFVDA

### VDA-L racks, RAL 9011 black



Number of U	Height (mm)	Width (mm)	Depth (mm)	Rack with glazed door	100 mm plinth	Handling castors
42U	2000	600	1000	NSYVDA42U610LN	NSYZUN610VDA	NSYRUFVDA
42U	2000	600	1000	NSYVDA42U810LN	NSYZUN610VDA	NSYRUFVDA

# VDS

## 19" server enclosure

Robust and ventilated



PB501831



P131339

### Ventilated

The front and rear doors are microperforated on the width of the 19" uprights to channel the air flows onto the equipment. They allow above 80 % of air through for optimum ventilation of the live components that equip the 19" rack.



PB501824

### Rigidity and robustness

750 kg of acceptable static load.



P132763

### Vertical cable manager (as option)

Efficient vertical cable managers can be used to duct, support and hide fibre and copper cables in improving airflow.



PB501830

### Adaptation and customisation

The configured offer allows you to clad the rack according to your needs:

- 2 framework models.
- 13 door models (microperforated double door, etc.).
- 2 side panel models.

# VDS

## 19" server enclosure

### Robust and ventilated



The ventilation is adjustable and does not take up any units (1 to 9 fans).

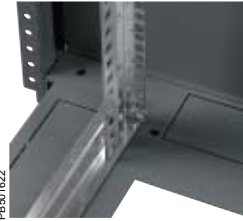


PB501620

#### Innovating

The side cable entry is the most ergonomic and efficient solution on the market.

The top and bottom openings, flush with the structure, allow the strands to be prepared before installing the rack. These openings also allow for easy maintenance and are closed when the side panels are installed.



PB501622

#### Ergonomic

The routing of the cable entries is easier:

- Side cable entries at top and bottom, pre-cut.
- Rear cable entries at the bottom, pre-cut.
- Large opening on the roof, offset towards the rear and equipped with a blanking plate.
- Allows the integration of live equipment at the top and the entry of cables from the rear.
- Large opening at the bottom.



PB501628

#### Adaptable ventilation

The roof ventilation is depth adjustable and does not result in the loss of any units. Option of installing 1 to 9 fans according to the size of your enclosure.



PB501625

#### Security

The latches of the panels can be equipped with a key locking system (the key is identical for all the doors).



PB501626

#### Smart

The pivot and guide system allows the panels to be returned to their place quickly, with maximum security.



PB501627

#### Practical

Marking of the units on the front panel and on the side for quick installation of the equipment. The 19" uprights are easily depth-adjustable on the site.



Panels and doors can be installed and removed quickly by a single operator.



PB501623

#### Saves time

All the doors and panels can be installed and removed quickly. The cladding can be installed and removed by a single person. The feet can be adjusted from the inside.



PB501629

#### Accessories

The central openings on the roof and the base support allow multiple blanking plate combinations (plain, with brush or ventilated). Possibility of installing the blanking plates with the roof plate thanks to the roof stand-offs.

# VDS

## 19" server enclosure

### Robust and ventilated

#### Introduction

##### Technical characteristics

- Folded and welded sheet-steel enclosure, textured, RAL 9011 black epoxy-polyester powder paint
- Earth continuity guaranteed, according to the standard
- Allowed air flow above 80 %
- Acceptable static load: 750 kg
- Color: black (RAL 9011)
- Protection rating: IP20
- object size protected against > 12.5 mm
- no liquid protected
- Impact Protection: IK10
- impact energy = 20 joules
- Certifications: in compliance with the directive RoHs, with the 19" standard IEC 60297-3-100 and EIA-310D.

##### Rack composition

- Top and bottom frames, mechanically assembled by Torx screws to the vertical structure uprights, thus forming a rigid framework
- Base without blanking plate
- Cut-out roof, closed with a blanking plate with dismountable brush gasket
- Reversible microperforated front and rear door, opening to 180°, closure at 2 points with a handle and a key no. 333. Hinges on the right as standard
- Side panels with no louvres, with quick installation and removal, closing by latches
- Top and bottom side cable entries flush with the structure
- Top and bottom side knock-out areas for cable entry, with a width of 800 mm
- Large opening on the bottom and large knock-out area on the rear for cable entry
- Levelling feet installed
- Four 19" uprights made from treated steel, installed 100 mm back from the front plate and depth-adjustable in steps of 25 mm
- Earthing kit installed
- Delivered on a pallet covered with film
- Composition of the rack without side panels
- Exactly the same composition as the above rack, but without the side panels
- Coupling kit not supplied
- In the event of coupling, use coupling kit ref. **NSYCUNVDA** and brush gasket (ref. **NSYCUNPL600**, **NSYCUNPL800** or **NSYCUNPL1000**) to close the cable entry left by the 2 side panels.



P6601631



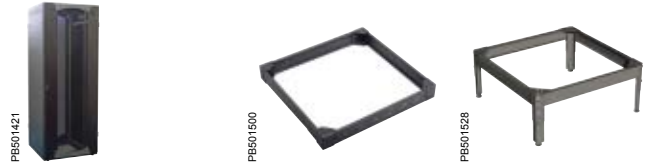
# VDS

## 19" server enclosure

Robust and ventilated

### Selection guide

#### Server rack with and without side panels



Number of U	Ext. dimensions (mm)			Rack	Rack without side panels	100 mm plinth	Stand-off plinth for raised floor
	Height	Width	Depth				
24U	1200	600	800	NSYVDS24U68N	NSYVDSC24U68N	NSYZUN68VDA	NSYAEBP2F68
24U	1200	600	1000	NSYVDS24U610N	NSYVDSC24U610N	NSYZUN610VDA	NSYAEBP2F610
24U	1200	800	800	NSYVDS24U88N	NSYVDSC24U88N	NSYZUN88VDA	NSYAEBP2F88
24U	1200	800	1000	NSYVDS24U810N	NSYVDSC24U810N	NSYZUN810VDA	NSYAEBP2F810
42U	2000	600	800	NSYVDS42U68N	NSYVDSC42U68N	NSYZUN68VDA	NSYAEBP2F68
42U	2000	600	1000	NSYVDS42U610N	NSYVDSC42U610N	NSYZUN610VDA	NSYAEBP2F610
42U	2000	800	800	NSYVDS42U88N	NSYVDSC42U88N	NSYZUN88VDA	NSYAEBP2F88
42U	2000	800	1000	NSYVDS42U810N	NSYVDSC42U810N	NSYZUN810VDA	NSYAEBP2F810



Configured

- Configured service: save time and devote yourself to your installation, we perform the product composition, colour and accessory installation for you.
- A single order, a single delivery.

See page 248



Specific

- Specific service: tailor-made enclosures, we perform the enclosure dimensions (15U rack, 400 mm deep, etc.), knock-outs, product composition, colour and accessory installation for you.
- A single order, a single delivery.

See page 253

# Patching frame

## Overhead patching frame



The Actassi 19" overhead patching frame allows you to use the empty space above the enclosure. Just mount the frame onto the tray, either vertically or at an angle. For mounting on Defem mesh trays, use the Defem B1 fitting. Install patch panels and make the entire enclosure beneath available for server hosting. The patching frame now works as a consolidation point, enabling flexible cabling layout as well as convenient addition of new enclosures and servers.



Robust cord managers for bending radius protection.



Large label for clear visibility from the ground.



For maximum convenience, the brackets enable vertical or angled mounting of the frame.

### Actassi 19" overhead patching frame 4U

- 19" frame
- Designed to be mounted in a mesh tray or cable ladder to provide 4U patching positions and to save space in the enclosure below
- 4U height
- In compliance with the directive RoHS and with 19" standards EIA 310-D and IEC 60297-3-100
- Dimensions: 500 x 350 x 160 mm
- Material: steel AN10130 DC01 painted in Raven Black
- Holds up to 15 Kg
- Equipped with two cord managers that secure the bending radius of the cords going down to the enclosure. It includes 4 self-grip strips of 30 cm
- Equipped with a big label holder for easy readability from the ground.

#### Description

Overhead 19" patching frame 4U

#### Ref. No

VDIM33174



PB601607



#### Locking system (P1)

- Allows the closure of a side panel and the rear panel.
- Lock with key no. 333 with escutcheon plate
- It is installed on the opening latches of the side and rear panels
- Delivery of 2 locks per panel.

Ref. No
<b>NSYSTVDA</b>

#### Adapter for 2-point closure handle

- Assembly on the rear of the handle for doors with 2-point closures as standard on Actassi VDA-E or Actassi VDS
- Adapter supplied without the insert.

Adapter	Ref. No
DIN half-cylinder	<b>NSYAEDN1DVD</b>
ASSA	<b>NSYAEDN1AVD</b>
KABA	<b>NSYAEDN1KVD</b>

PB601420



#### Key insert for 2-point closure

- Assembly on the handle for doors with 2-point closures as standard on the Actassi VDA-E front door or on Actassi VDS.

Key no.	Ref. No
2124E	<b>NSYAEDNH2124EVD</b>

#### 3rd closure point for handle

- Assembly on the handle for doors with 2-point closures as standard on the Actassi VDA-E front door or on Actassi VDS
- Provides a 3rd closure point (central).

Ref. No
<b>NSYAEDN3PVD</b>

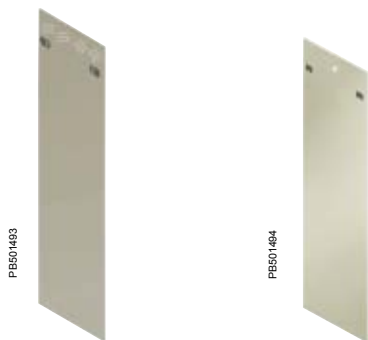
PB601419



#### Key insert for 1-point closure

- Assembly on the handle for doors with 1-point closure as standard on the Actassi VDA or on Actassi VDA-B or on the Actassi VDA-E rear door.

Key no.	Ref. No
2124E	<b>NSYAEDN2124EVD</b>



#### Side panels

- Panels made from folded sheet steel with ventilation louvres and plastic obturators at the ends, epoxy-polyester, textured, powder paint
- Panels with quick assembly and removal by latches
- Unit of 2 panels delivered in cardboard packaging
- Option of installing a lock with key ref. **NSYSTVDA**.

Number of U	Height (mm)	Depth (mm)	RAL 7035 light grey	RAL 9011 black
24U	1200	600	<b>NSY2PLVDC24U6</b>	<b>NSY2PLVDC24U6N</b>
24U	1200	800	<b>NSY2PLVDC24U8</b>	<b>NSY2PLVDC24U8N</b>
24U	1200	1000	<b>NSY2PLVDC24U10</b>	<b>NSY2PLVDC24U10N</b>
29U	1400	600	<b>NSY2PLVDC29U6</b>	-
29U	1400	800	<b>NSY2PLVDC29U8</b>	-
33U	1600	600	<b>NSY2PLVDC33U6</b>	-
33U	1600	800	<b>NSY2PLVDC33U8</b>	-
38U	1800	600	<b>NSY2PLVDC38U6</b>	-
38U	1800	800	<b>NSY2PLVDC38U8</b>	-
42U	2000	600	<b>NSY2PLVDC42U6</b>	<b>NSY2PLVDC42U6N</b>
42U	2000	800	<b>NSY2PLVDC42U8</b>	<b>NSY2PLVDC42U8N</b>
42U	2000	1000	<b>NSY2PLVDC42U10</b>	<b>NSY2PLVDC42U10N</b>
47U	2200	600	<b>NSY2PLVDC47U6</b>	-
47U	2200	800	<b>NSY2PLVDC47U8</b>	-



#### Perforated rear partial panel

- Perforated rear panel for partial door on the VDA enclosures
- Allows the installation of a blanking plate ref. **NSYEC440**, **NSYEC440**, **NSYECVA440**, **NSYECVT3440**, **NSYECVT3V440**, etc.
- 1.5 mm sheet steel, RAL 7035 light grey paint.

Height (mm)	Width (mm)	Ref. No
250	600	<b>NSYPPECC26</b>
250	800	<b>NSYPPECC28</b>



#### 100 mm rear extension kit (D20)

- Frame made from folded sheet steel, RAL 7035 light grey, epoxy-polyester, textured, powder paint
- Assembly on the rear of the enclosure framework
- Allows the assembly of a door or a panel
- Makes it possible to obtain depths of 700, 900 and 1100 mm
- Delivered with assembly instructions
- Other sizes, please consult us.

Number of U	Ref. No	
	Width 600 mm	Width 800 mm
42U	<b>NSYAEPX42U6</b>	<b>NSYAEPX42U8</b>

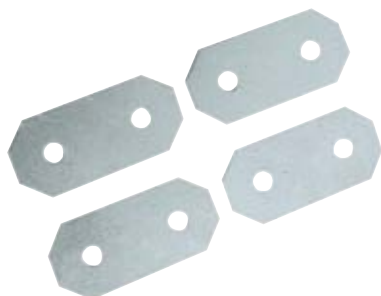
To order your enclosure elements, please consult the configuration sheet on page 246.

# VDA/VDS

## EA accessories

### Coupling

PB501488



#### Coupling kit (R1)

- Kit to be used when coupling two racks side by side
- Kit made up of 4 flanges and the fixings required for assembly.

Ref. No

NSYCUNVDA

PB501584



#### Blanking brush gasket for the cable entries between coupled racks

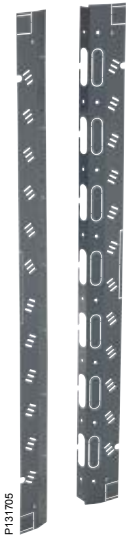
- Blanking plate with brush gasket
- Assembly on the top or bottom frame between two coupled racks, on the cable entry left by the 2 side panels
- Delivered with the fixings required for installation.

Depth (mm)	Ref. No
600	NSYCUNPL600
800	NSYCUNPL800
1000	NSYCUNPL1000

# VDA/VDS

## EA accessories

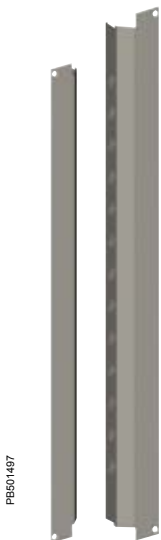
### Cable management and cladding



#### Vertical trim strips with cable entries (H2)

- For enclosures with a width of 800 mm only
- Side cut-outs allowing the entry of cables every 250 mm. Knock-out entries on the front plate every 250 mm
- Assembly on the framework uprights providing aesthetic continuity between the framework and the 19" uprights positioned at least 100 mm away from the door
- RAL 7011 dark grey paint
- Cable-protection strips (not supplied) to be ordered separately
- Dismounting by 1/4-turn screws
- Kit made up of 2 trim strips.

Number of U	Ref. No
24U	NSYPV24
33U	NSYPV33
38U	NSYPV38
42U	NSYPV42
47U	NSYPV47



#### Structure trim strips (H3)

(Incompatible with Actassi VDS)

- For enclosures with widths of 600 and 800 mm
- Assembly on the framework guarantees aesthetic continuity between the framework and the 19" uprights
- RAL 7011 dark grey paint
- They do not allow the assembly of a door or a panel
- Kit made up of 2 trim strips
- Other sizes, please consult us.

Number of U	Ref. No	
	Width 600 mm	Width 800 mm
42U	NSYAEPF42U6	NSYAEPF42U8



#### Vertical trim strips with cable entries

(Incompatible with Actassi VDS)

- For enclosures with a width of 800 mm only
- Cut-outs on front panel allowing the entry of cables
- Assembly on the 19" uprights by modifying the position of the 19" upright supports
- RAL 7035 light grey paint
- Cable-protection strips (not supplied) to be ordered separately
- Kit made up of 2 trim strips
- Other sizes, please consult us.

Number of U	Ref. No
42U	NSYTVRN42U



# VDA/VDS

## EA accessories

### Wall and floor fixing accessories



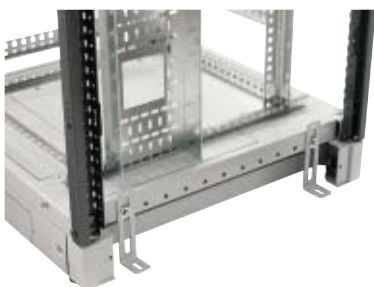
PB601600

#### Fixing kit

- Allows the rack to be fixed to the floor and/or to the wall
- Delivered with assembly instructions.

Ref. No

**NSYCFM**



PB601601



PB601531

#### Wall-mounting kit for Actassi enclosures

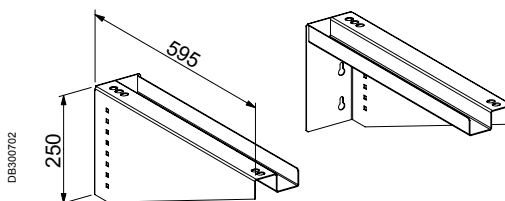
- Allows wall-mounting of racks and enclosures from 6 to 29U, with a depth of 600 mm
- Maximum load inside the rack: 100 kg
- Maximum load inside the enclosure: 50 kg.

Enclosure depth (mm)

600

Ref. No

**NSYCFRS**



DB300702

# VDA/VDS

## EA accessories

### Roof and base accessories

PB501559



#### Plain roof plate (E1)

- Removable plate made from folded sheet steel, RAL 7035 light grey, epoxy-polyester, textured, powder paint
- Plate delivered assembled on the framework
- Option of installing roof stand-offs (reference **NSYEX206**) and blanking plates.

Ref. No
<b>NSYTSPC450</b>

PB501560

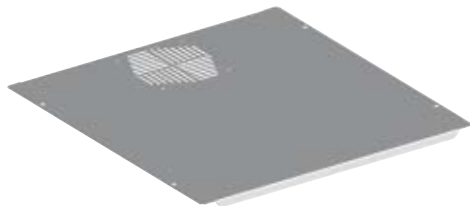


#### Roof plate with brush gasket (E2)

- Removable plate made from folded sheet steel, RAL 7035 light grey, epoxy-polyester, textured, powder paint, equipped with a brush gasket for cable entry
- Plate delivered assembled on the framework
- Option of installing roof stand-offs (reference **NSYEX206**) and blanking plates.

Dimensions	Ref. No
75 x 400 mm	<b>NSYTSP450</b>

PB501561



#### Perforated roof plate (E3)

- Removable plate made from folded sheet steel, RAL 7035 light grey, epoxy-polyester, textured, powder paint, with cut-out for installing a fan
- Plate delivered assembled on the framework
- Option of installing the fans with a fixing centre-to-centre distance of 105 x 105 (see the ClimaSys range)
- Option of assembling roof stand-offs (reference **NSYEX206**) and blanking plates.

Ref. No
<b>NSYTSPV450</b>

PB500983



#### Roof plate elevators for aeration (Q1)

- Direct fixing between the roof and the roof plate
- Stand-offs to be ordered with a minimum of 100 pieces.

Height (mm)	Ref. No
20	<b>NSYEX206</b>

PB501543



PB500694



#### Plain blanking plate (J1) (K1)

- Fixing on the internal surface of the base or roof
- Can be combined with other types of blanking plates
- Treated sheet steel
- Delivered with the fixings required for installation.

Ref. No
<b>NSYEC440</b>

PB500695

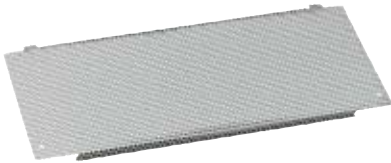


#### Blanking plate with brush gasket (J2) (K2) (L1)

- Fixing on the internal surface of the base or roof or on a 6U knock-out panel of the reduced rear door
- Can be combined with other types of blanking plates
- Treated sheet steel
- Delivered with the fixings required for installation.

Dimensions (mm)	Ref. No
75 x 400 mm	<b>NSYEC440</b>

PB500696



#### Blanking plate with ventilation louvres (J5) (K3) (L4)

- Fixing on the internal surface of the base or roof or on a 6U knock-out panel of the reduced rear door
- Can be combined with other types of blanking plates
- Treated sheet steel
- Delivered with the fixings required for installation.

Ref. No
<b>NSYECAV440</b>

PB500697



#### Blanking plates with or without fans

##### Ø 120 mm (J3) (J4) (L2) (L3)

- Fixing on the internal surface of the base or roof or on a 6U knock-out panel of the reduced rear door
- Equipped with 2 or 3 fans, free flow of 170 m<sup>3</sup>/h each, 220 V-50/60 Hz, installed wired with terminal board. A 3-m power cord is supplied, installed
- Can be combined with other types of blanking plates
- Treated sheet steel
- Delivered with the fixings required for installation
- Noise level: 34 dB (A)
- 1U front panel with thermostat
- To use this blanking plate with UK PDU, order UK adaptor Ref: **NSYAPUFRUK**.

Dimensions (mm)	Ref. No
3 positions without fan	<b>NSYECVT3440</b>
With 3 fans	<b>NSYECVT3V440</b>
2 positions without fan	<b>NSYECVT2440</b>
With 2 fans	<b>NSYECVT2V440</b>

PB630688



**NSYFECVT440**

#### Filter for ventilated blanking plate

- It is fixed on top of the ventilated plates or the plates with ventilation louvres.

Ref. No
<b>NSYFECVT440</b>

Height (mm)	Ref. No
Batch of 5 spare filters	<b>NSYCEFILS</b>

#### Example of possible combinations of blanking plates for network racks

Top frame		Combination 1	Combination 2	Combination 3	Combination 4
Width	Depth				
600 and 800 mm	600 mm 800 mm 1000 mm	 DB300703	 DB300703	 DB300703	 DB300703
Bottom frame	600 mm	 DB300704	 DB300704	 DB300704	 DB300704
600 and 800 mm	800 mm 1000 mm	 DB300705	 DB300705	 DB300705	 DB300705

PB501530



#### Brush gaskets for cable entry on the side panels

- Batch of 2 brush gaskets
- Assembly instead of the plastic obturators, at the top or bottom of the side panels
- Cable-entry width: 35 mm.

Depth (mm)	Ref. No
600	<b>NSYECPL600</b>
800	<b>NSYECPL800</b>
1000	<b>NSYECPL1000</b>

PB501069



#### Brush gasket for a knock-out area

- Assembly on the knock-out areas for cable entry
- Cable-entry width: 75 mm.

Ref. No
<b>NSYJPSVD</b>

# VDA/VDS

## EA accessories

### Roof and base accessories

PB501011



#### Ventilation plate for a knock-out area

- Fixing to the knock-out areas for cable entry
- 2 fans installed wired with a terminal block, protection grille and 3-m power cord
- Treated sheet steel
- Delivered with the fixings required for installation
- Noise level: 34 dB (A)
- Flow rate of 35 m<sup>3</sup>/h for each fan
- To use this blanking plate with UK PDU, order UK adaptor Ref: **NSYAPUFRUK**.

Ref. No

NSYVL400

PB501010



#### Blanking plate for a knock-out area

- Treated sheet steel
- Assembly on the knock-out areas for cable entry.

Ref. No

NSYECS400

PB501602



#### Sheet-edge protection strip

- 10-m roll of rubber protection strip.

Ref. No

NSYTPV

PB501502



## Hoisting accessories

#### Lifting eyes

- Batch of 4 lifting eyes
- Fixing to the framework of the rack
- Maximum load: 360 kg for 4 eyes (slinging at 60°)
- Ø M12.

Ref. No

NSYAELYM12VD

# VDA/VDS

## EA accessories

### Installation supports



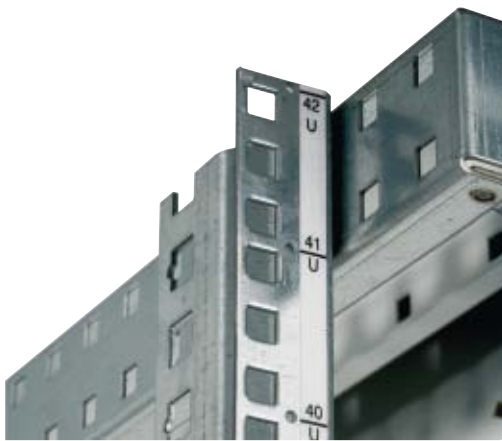
PE501525

PE501603

#### Additional 19" uprights

- Assembly on the depthwise supports
- Depth adjustable in steps of 25 mm
- Kit made up of 2 uprights and the fixings required for assembly
- For partial assembly use depth-support references **NSYSBRF66** to **NSYSBRF88**
- 9.5 mm square holes in the front panel.

Number of U	Ref. No
12U	<b>NSYBR9F12</b>
21U	<b>NSYBR9F21</b>
24U	<b>NSYBR9F24</b>
29U	<b>NSYBR9F29</b>
33U	<b>NSYBR9F33</b>
38U	<b>NSYBR9F38</b>
42U	<b>NSYBR9F42</b>
47U	<b>NSYBR9F47</b>



PE501608

#### Adhesive strip for marking the U

- Batch of 10 self-adhesive strips
- Gluing on the front panel of the 19" upright
- Allows the units to be numbered
- Length: 42U.

Ref. No
<b>NSYENU</b>



PE501506

PE501609

#### Additional 19" upright supports

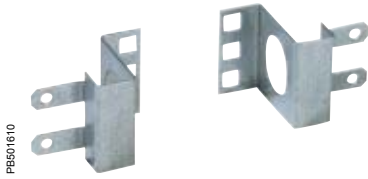
- Assembly in intermediate position on the framework to reinforce the rigidity of the 19" rack and/or to support the cables
- Kit made up of 2 supports and the fixings required for assembly.

NSYSBRF86  
NSYSBRF88  
NSYSBRF810

NSYSBRF66  
NSYSBRF68  
NSYSBRF610

Rack width (mm)	Rack depth (mm)	Ref. No
600	600	<b>NSYSBRF66</b>
600	800	<b>NSYSBRF68</b>
600	1000	<b>NSYSBRF610</b>
800	600	<b>NSYSBRF86</b>
800	800	<b>NSYSBRF88</b>
800	1000	<b>NSYSBRF810</b>





PB501610

#### Fixed partial 19" uprights

- Height: 2U
- Direct assembly on the framework of the rack, 100 mm back from the front panel
- Treated sheet steel
- Kit made up of 2 uprights and the fixings required for assembly.

Number of U	Ref. No	
	Width 600 mm	Width 800 mm
2	<b>NSYBR9F2U6</b>	<b>NSYBR9F2U8</b>



PB501565

#### Metric uprights

- Direct assembly on the framework, with the help of the metric uprights, instead of the 19" uprights
- Kit made up of 2 uprights and the fixings required for assembly
- Depth adjustable in steps of 25 mm.

Rack height (mm)	Number of U	Ref. No
1200	43	<b>NSYBMF43</b>
1800	68	<b>NSYBMF68</b>
2000	75	<b>NSYBMF75</b>



PB501609

#### Metric upright supports

- Fixing on the framework instead of the 19" upright supports, allowing the assembly of the metric uprights
- Kit made up of 2 supports and the fixings required for assembly.

NSYSBMF66

Rack width (mm)	Number of U	Ref. No
600	600	<b>NSYSBMF66</b>



PB501514

NSYTVPSP8

#### Cable-support cross-rails on framework (N)

- Direct assembly on the framework of the enclosure
- Allow cables to be flanged using cable ties
- Treated sheet steel
- Kit made up of 2 cross-rails and the fixings required for assembly.

Width (mm)	Ref. No
600	<b>NSYTVPSL6</b>
800	<b>NSYTVPSL8</b>

Depth (mm)	Ref. No
600	<b>NSYTVPSP6</b>
800	<b>NSYTVPSP8</b>
1000	<b>NSYTVPSP10</b>

PB501446



### Standard levelling feet (M1)

- Batch of 4 feet
- Steel feet, height adjustable, from the inside of the rack
- Direct fixing, under the bottom frame or under the plinth of the rack, by M12 screws
- Height: 30 mm.

Ref. No

**NSYPNVDA**

PB501489



### Anti-vibration levelling feet (M2)

- Batch of 4 feet
- Steel feet, height adjustable, with rubber collar for absorbing vibrations
- Direct fixing, under the bottom frame by M12 screws
- Height 80 mm.

Ref. No

**NSYPRVDA**

PB501501



### Handling wheels (M3)

- Batch of 4 swivel castors, 2 of which are equipped with a locking system
- Direct fixing under the bottom frame of the rack by M12 screws
- Height of the castors: 105 mm.

Acceptable load

250 kg/4 castors

Ref. No

**NSYRUFVDA**

PB501550



### Foot-wheels adaptation kit for plinth (M4)

- Kit made up of 4 adaptation parts, 4 castors without brakes, and fixings
- Allows simultaneous assembly of castor reference **NSYRUFVDA** and levelling foot reference **NSYRUFNPVDA**
- Direct assembly on the base of an enclosure equipped with a plinth
- Use the levelling feet installed as standard on the rack
- Material: treated sheet steel.

Ref. No

**NSYRUFNPVDA**

PB501555



### Foot and wheels kit for rack

- Kit made up of 4 castors without brakes and supports for accommodating the positioning feet
- Allows direct assembly on the base of the rack.
- Allows simultaneous assembly of the castors and levelling feet
- Use the levelling feet installed as standard on the rack
- Height of the castors: 105 mm.

Ref. No

**NSYRUFNPVDA**



PB501500

### Plinths (F1)

- Plinth made from folded sheet steel, RAL 7011 dark grey, epoxy-polyester, textured, powder paint
- Plinth height: 100 mm
- Allows the assembly of standard levelling feet compatibles with handling castors reference **NSYRUFNPVDA**
- Option of removing the 4 strips
- Side and rear strips equipped with a knock-out area for cable entry
- Front strip equipped with ventilation louvres.

Width (mm)	Depth (mm)	Ref. No
600	600	<b>NSYZUN66VDA</b>
600	800	<b>NSYZUN68VDA</b>
600	1000	<b>NSYZUN610VDA</b>
800	600	<b>NSYZUN86VDA</b>
800	800	<b>NSYZUN88VDA</b>
800	1000	<b>NSYZUN810VDA</b>



PB501507

NSYZUNA800VDA + NSYZUN88VDA

### Anti-tilt accessory (F2)

- It is fixed to a standard plinth, on the front or rear panel
- Two adjustable anti-tilt feet
- Material: folded sheet, RAL 7011 dark grey, epoxy-polyester, textured, powder paint.

Depth (mm)	Ref. No
600	<b>NSYZUNA600VDA</b>
800	<b>NSYZUNA800VDA</b>
1000	<b>NSYZUNA1000VDA</b>



PB501506

### Filter for plinth

- Assembly on the inside of the front panel of the plinth
- Washable synthetic filters
- Batch of 5 washable synthetic filters.

Width (mm)	Ref. No
600 and 800	<b>NSYZUNFL108</b>



PB501009

### Brush gasket for the cable entries of the plinth

- It is fixed to the knock-out areas for the cable entries
- Delivery by unit.

Entry width (mm) x L	Ref. No
75 x 400	<b>NSYJPSVD</b>

### Base accessories

#### Stand-off plinth for raised floor

- Folded and welded sheet-steel frame, RAL 9011 black, epoxy-polyester, textured, powder paint
- Delivered with feet adjustable from 0 to 60 mm with holes for fixing to the floor
- Can support Actassi VDA, Actassi VDS, Spacial SM and Spacial SF enclosures
- Standard adjustment for heights from 200 mm to a maximum of 350 mm in steps of 25 mm
- Acceptable static load: 1000 kg
- To adjust heights from 350 to 500 mm, use feet reference **NSYAEBP2F4F**.

PB501528



Dimensions (mm)		Ref. No
Width	Depth	
600	800	<b>NSYAEBP2F68</b>
600	1000	<b>NSYAEBP2F610</b>
800	800	<b>NSYAEBP2F88</b>
800	1000	<b>NSYAEBP2F810</b>

#### Batch of 4 feet for stand-off plinths

- Folded and welded sheet-steel feet, textured, RAL 9011 black epoxy-polyester powder paint
- They are installed on the stand-off plinths for raised floor, reusing the levelling feet delivered with the plinth
- Acceptable static load: 1000 kg on 4 feet.

PB501986

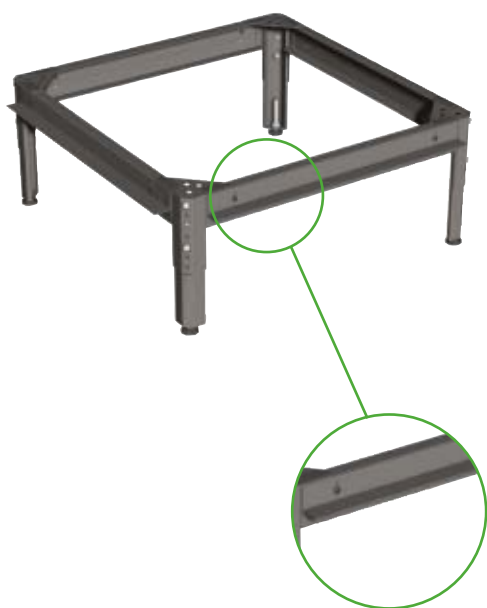


Ref. No
<b>NSYAEBP2F4F</b>

#### Floor-panel support bracket




- Batch of 2 brackets made from folded sheet steel painted RAL 9011 black
- They are installed across the width and/or depth on the stand-off plinth to support the panels of the raised floor
- Height adjustment  $\pm 30$  mm.

PB501969






Width or depth (mm)	Ref. No
600	<b>NSYAEBP2FS6</b>
800	<b>NSYAEBP2FS8</b>
1000	<b>NSYAEBP2FS10</b>





## Mounting components

<p style="text-align: center;"><b>Equipment support</b></p>  <p style="font-size: small;">P8500189</p>	<p style="text-align: center;"><b>Equipment support</b></p>  <p style="font-size: small;">P8501477</p>	<p style="text-align: center;"><b>Equipment support</b></p>  <p style="font-size: small;">P8500190</p>
<p><b>Fixings for 19" racks</b></p>	<p><b>Fixed 19" trays</b></p>	<p><b>Telescopic 19" trays</b></p>
<p style="text-align: center;">Page <b>XX</b></p>	<p style="text-align: center;">Page <b>XX</b></p>	<p style="text-align: center;">Page <b>XX</b></p>



## Power-distribution

<p style="text-align: center;"><b>Current distribution</b></p>  <p style="font-size: small;">P8501479</p>	<p style="text-align: center;"><b>Modular distribution</b></p>  <p style="font-size: small;">P8501480</p>	<p style="text-align: center;"><b>19" cover plate</b></p>  <p style="font-size: small;">P8501461 P8501462</p>	
<p><b>19" distribution rail with or without protection</b></p>	<p><b>19" front plates for modular circuit breakers</b></p>	<p><b>19" cover plates</b> Painted steel: 1.5 mm</p>	<p><b>19" cover plates with ventilation louvres</b> Steel 1.5 mm</p>
<p style="text-align: center;">Page <b>XX</b></p>	<p style="text-align: center;">Page <b>XX</b></p>	<p style="text-align: center;">Page <b>XX</b></p>	<p style="text-align: center;">Page <b>XX</b></p>


## Cable-management

Cable distribution		Cable management	
 <p>PB801483</p>	 <p>PB801484</p>	 <p>PB801485</p>	 <p>PB801487 PB801486</p>
1U or 2U 19" front panels with cable-gland openings	1U 19" cable-gland front panels with brush gasket	1U 19" front panels with insulating guides	1U 19" front panels with metal guides or with cable ducting
Page <b>XX</b>	Page <b>XX</b>	Page <b>XX</b>	Page <b>XX</b>

## Thermal-management

19" thermostats	
 <p>PB801488</p>	 <p>PB801489</p>
1U front panel with switch and thermostat	1U front panel with digital thermostat
Page <b>XX</b>	Page <b>XX</b>

## Monitoring system

Lighting	Keyboard-mouse-screen drawer
 <p>PB 101706</p>	 <p>AW_1901-B-TP-002</p>
Lamp to be fixed on 19"	Keyboard-mouse-screen drawer
Page <b>XX</b>	Page <b>XX</b>



PB501604



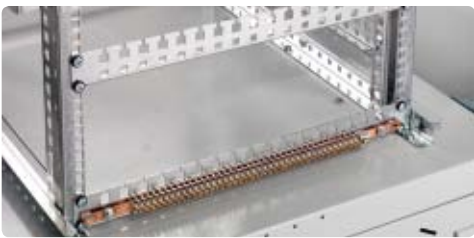
NSYAEECS

PB501642



NSYAEEC1UF

PB501643



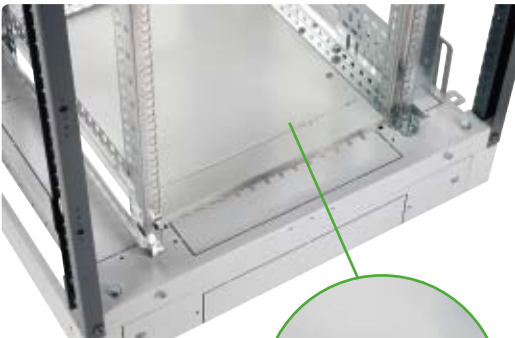
NSYAEEC1UN

### Earthing strip (Y)

- Two models available:
  - insulated: 10 x 5 mm brass bar with 40 connection points by screws for lugs (screws not installed)
  - non-insulated: stainless-steel bar ref. **NSYAEEC1UF**, connection by Faston lug 6.5 or by copper bar with caged terminal ref. **NSYAEEC1UN**
- Fixing to the 19" rack or to the framework
- Length: 480 mm
- Delivered with fixings
- Strip reference **NSYAEEC1UN** is equipped with caged terminal blocks.

Insulated	Ref. No
Yes	<b>NSYAEECS</b>
No	<b>NSYAEEC1UF</b>
No	<b>NSYAEEC1UN</b>

PB501642



### Earthing claws

- Batch of 100 pieces
- Provides earthing continuity of the front panels and blanking plates.

**Note:** it is up to the installer to make sure earth continuity and the earth connections are guaranteed.

Ref. No
<b>NSYAEEC100C</b>

PB500217



### Earthing kit for Actassi OPB

- To earth all the covering components.

Ref. No
<b>NSYCTOPB</b>

### Earthing kit for Actassi VDA / VDS

- Kit for earthing the cladding pieces of the enclosure
- Assembly on all the doors of the enclosure to comply with standard IEC 62208, Section 9.10 regarding the continuity of the protection circuit
- Brass and copper lugs
- Green-yellow PVC insulating sheath.

**Note:** it is up to the installer to make sure earth continuity and the earth connections are guaranteed.

Ref. No
<b>NSYCTVDA</b>

PB501644



### Nuts for 19" uprights

For fixing components to the rear of the 19" uprights.

- Batch of 50 M6 caged nuts
- Bag of M6 caged nuts for 12 mm square holes (holes on the rear of the 19" uprights).

Reference of batch of 50 nuts

**NSYGFR12M65**

PB501689



### Fixings for 19" rack

- They allow 19" accessories to be mounted
- Caged nut compatible with 8.5 x 8.5 mm and 9.5 x 9.5 mm holes.

Batch of	Name	Ref. No
30	M6 screws + washers + nuts	<b>NSYGFR95M63</b>
50	M6 x 16 screws and washers	<b>NSYGFR166P</b>
100	M6 caged nuts	<b>NSYCN9M625</b>
50	M6 screws + washers + nuts	<b>NSYGFR95M65</b>
50	M5 screws + washers + nuts	<b>NSYGFR95M55</b>

# Universal accessories

## Shelves

(compatible only with floor standing enclosures)



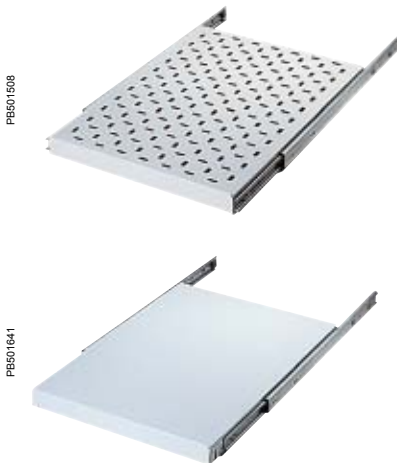
### Fixed perforated and plain 19" trays, 1U

- Fixing by attachment without tools between the front and rear 19" uprights
- Sheet steel, RAL 7035 or RAL 7016 grey paint
- Acceptable load: 100 kg
- Option of installing a handle reference **NSYASR3U** on the front panel and a guide reference **NSYGCA46** on the rear panel (page 237).

Rack depth (mm)	Fixing centre-to-centre distance (mm)	References of RAL 7035 perforated 19" trays	References of RAL 7035 plain 19" trays
600-800-1000	258 (1)	<b>NSYBBF1U40P</b>	<b>NSYBBF1U40</b>
800-1000	458 (1)	<b>NSYBBF1U60P</b>	<b>NSYBBF1U60</b>
1000	658 (1)	<b>NSYBBF1U80P</b>	<b>NSYBBF1U80</b>

Rack depth (mm)	Fixing centre-to-centre distance (mm)	References of RAL 7016 perforated 19" trays
600-800-1000	258 (1)	<b>NSYBBF1U40PG</b>
800-1000	458 (1)	<b>NSYBBF1U60PG</b>
1000	658 (1)	<b>NSYBBF1U80PG</b>

(1) -100 ...+50 mm, adjustable in steps of 25 mm.



### Telescopic perforated and plain 19" trays, 1U

- Fixing by attachment without tools between the front and rear 19" uprights
- Fixing on the telescopic slides supplied
- Sheet steel, RAL 7035 or RAL 7016 grey paint
- Acceptable load: 45 kg
- Option of installing a handle reference **NSYASR3U** on the front panel and a guide reference **NSYGCA46** on the rear panel (page 237).

Rack depth (mm)	Fixing centre-to-centre distance (mm)	Mounting on slides (1)	References of RAL 7035 perforated 19" trays	References of RAL 7035 plain 19" trays
600-800-1000	258 (2)	NSYGT40	<b>NSYBBT1U40P</b>	<b>NSYBBT1U40</b>
800-1000	458 (2)	NSYGT60	<b>NSYBBT1U60P</b>	<b>NSYBBT1U60</b>
1000	658 (2)	NSYGT80	<b>NSYBBT1U80P</b>	<b>NSYBBT1U80</b>

Rack depth (mm)	Fixing centre-to-centre distance (mm)	Mounting on slides (1)	References of RAL 7016 perforated 19" trays
600-800-1000	258 (1)	<b>NSYGT40</b>	<b>NSYBBT1U40PG</b>
800-1000	458 (1)	<b>NSYGT60</b>	<b>NSYBBT1U60PG</b>
1000	658 (1)	<b>NSYGT80</b>	<b>NSYBBT1U80PG</b>

(1) Slides delivered with the tray.

(2) -100 ...+50 mm, adjustable in steps of 50 mm.



### Handle for telescopic 19" tray

- Plastic material, RAL 7011 dark grey
- Delivered with fixings.

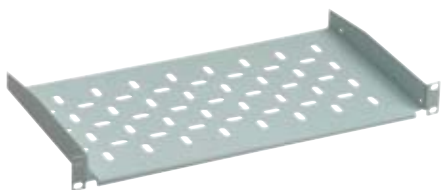
Ref. No
<b>NSYASR3U</b>

# Universal accessories

## Shelves

(compatible only with floor standing enclosures)

PB501646



### 1U fixed 19" tray

- Fixing to the front or rear uprights of the 19" rack
- Heel of 5 mm
- Sheet steel, RAL 7035 or RAL 7016 grey paint
- Acceptable load: 1U 15 kg - 2U 20 kg.

Number of U	Depth (mm)	Load (kg)	Ref. No RAL 7035	Ref. No RAL 7016
2U	250	20	<b>NSYBF2U25P</b>	<b>NSYBF2U25PG</b>
2U	380	20	<b>NSYBF2U40P</b>	<b>NSYBF2U40PG</b>
1U	250	15	<b>NSYBF1U25P</b>	-

PB501190

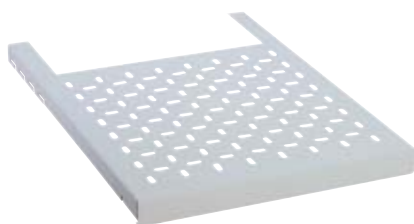


### 2U telescopic 19" tray

- Fixing to the front uprights of the 19" rack
- Sheet steel, RAL 7035 or RAL 7016 grey paint
- Acceptable load: 5 kg
- Delivered with the telescopic slides assembled
- Heel of 5 mm.

Number of U	Depth (mm)	Load (kg)	Ref. No RAL 7035	Ref. No RAL 7016
2U	250	5	<b>NSYBT2U25P</b>	<b>NSYBT2U25PG</b>

PB501647



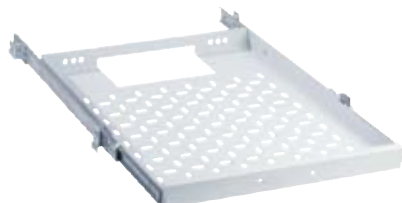
### 19" screen-support tray

(Compatible only with floor standing enclosures)

- Fixing by attachment without tools between the front and rear 19" uprights
- Sheet steel, RAL 7035 light grey paint
- Delivered with all the necessary fixings
- Acceptable load: 45 kg.

Rack depth (mm)	Ref. No
800-1000	<b>NSYBSM80</b>
1000	<b>NSYBSM100</b>

PB501648



### 19" keyboard-support tray

(Compatible only with floor standing enclosures)

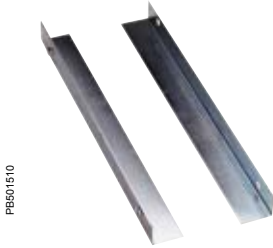
- Sheet steel, RAL 7035 light grey paint
- Delivered with all the necessary fixings
- Acceptable load: 45 kg
- Fixing by attachment without tools between the front and rear 19" uprights
- Fixing on the telescopic slides supplied
- Optional installation of handle reference **NSYASR3U**.

Rack depth (mm)	Ref. No
800-1000	<b>NSYBST80</b>
1000	<b>NSYBST100</b>

# Universal accessories

## Shelves

(compatible only with floor standing enclosures)

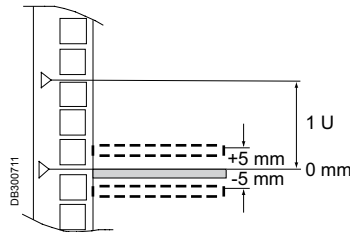


PB501510

### Fixed 19" slides

- Batch of 2 slides for the 19" hardware
- Material: treated steel
- Acceptable load: 60 kg
- Heel 0 mm: fixing by attachment between the front and rear 19" uprights
- Heel ± 5 mm: fixing by screws between the front and rear 19" uprights; supplied with the slides.

Rack depth (mm)	Distance between the front and rear uprights	Fixing centre-to-centre distance (mm)	Reference heel height: 0 mm	Reference heel height: +/-5 mm
600-800-1000	350	258	NSYGF356	NSYGF356H5
800-1000	450	358	NSYGF456	-
800-1000	550	458	NSYGF556	NSYGF556H5
1000	650	558	NSYGF656	-
1000	750	658	NSYGF756	NSYGF756H5

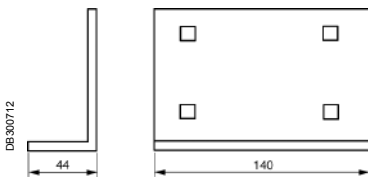


PB501511

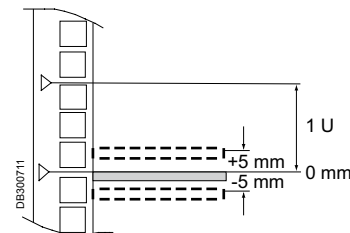
### 2U partial fixed 19" slides

- Batch of 2 slides
- Fixing by attachment on the front or rear 19" uprights
- Material: treated steel
- Acceptable load: 30 kg.

Number of U	Heel height (mm)	Ref. No
2U	0	NSYGB140
2U	+/-5	NSYGB140H5



DB-300712



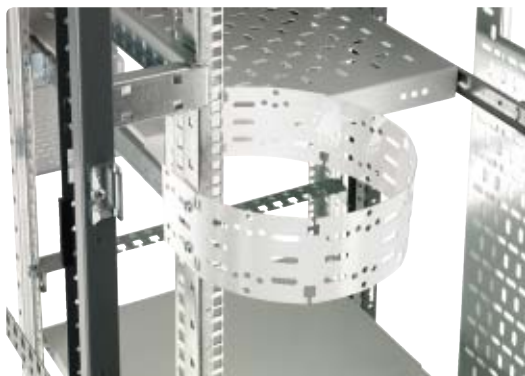
PB501650

### Full telescopic 19" slides

- Batch of 2 slides, for plain or perforated tray, guaranteeing a full pull-out
- Fixing between the front and rear 19" uprights
- Delivered with fixing accessories.

Rack depth (mm)	Fixing centre-to-centre distance (mm)	Ref. No
600-800-1000	258 (1)	NSYGT40
800-1000	458 (1)	NSYGT60
1000	658 (1)	NSYGF80

(1) -100 ...+50 mm, adjustable in steps of 50 mm.



PB501651

### Cable support for telescopic tray

- Plastic strip for containing the cables between the framework and the telescopic accessories
- Delivered with the fixings required for installation
- Delivery by unit.

Ref. No

NSYBTSC



PB501652

### Rear cable support

- Fixing of cables through an opening without effort
- Direct fixing to the framework and the rear part of the tray.

Ref. No

NSYBTSCS



PB501653

### Universal fixing plate

- Fixing to the 19" uprights or to the framework uprights for mounting accessories
- Delivery by unit.

Ref. No

NSYEUV



# Universal accessories

## Electrical power distribution rails

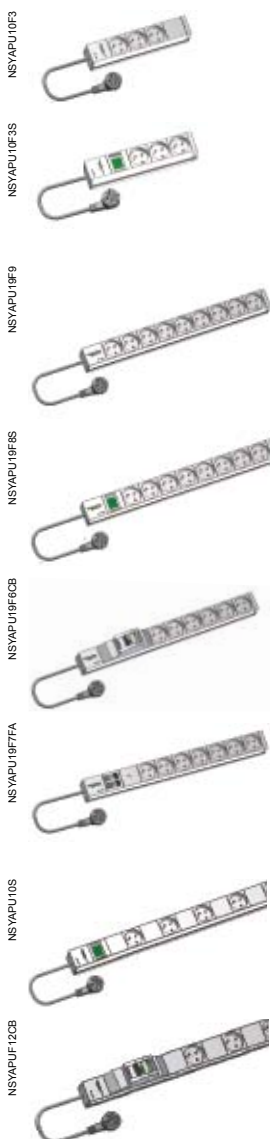
### PDU'S

#### UTE - 16 A/230 V~ with pin-earthed outlets

- Sockets set at 35° with child protection
- Aluminium profile silver - height 1U
- Material: fibreglass polyamide plastic with fire resistance to 850°C
- Equipped with power cord (3G 1.5 mm<sup>2</sup>) type H05 VVF, equipped with a mould right angle plug with earthing contact system
- According to NF C 61314, IEC 60884 and NBNC61112-1 standards
- Could be used in: France, Belgium, Poland, Monaco, Slovakia, Czech Republic.

Number of sockets	Width (mm)	Depth (mm)	Type	UTE
<b>10" Adapted</b>				
3 sockets outlets	10"	44	A	<b>NSYAPU10F3</b>
3 sockets outlets with recessed green led switch	10"	44	B	<b>NSYAPU10F3S</b>
<b>19" Adapted</b>				
9 sockets outlets	19"	44	A	<b>NSYAPU19F9</b>
8 sockets outlets with recessed green led switch	19"	44	B	<b>NSYAPU19F8S</b>
6 sockets outlets with Overvoltage protection 16 A	19"	76	C	<b>NSYAPU19F6CB</b>
7 sockets outlets with Overvoltage protection 16 A + frequency filters	19"	44	D	<b>NSYAPU19F7FA</b>
<b>Vertical – 0U</b>				
10 sockets outlets with recessed green led switch (D. 968 mm)	968	44	B	<b>NSYAPUF10S</b>
12 sockets outlets with Overvoltage protection 16 A (D. 1232 mm)	1232	76	C	<b>NSYAPUF12CB</b>

- A: rail of sockets without protection
- B: rail of sockets with recessed green LED switch
- C: rail of sockets with bi-polar magnetothermal circuit-breaker C16 type C60N 16 A curve C
- D: suppression filter for interferences of up to 30 MHz, guaranteed frequency 400 Hz, attenuation 20 dB per decade.



# Universal accessories

## Electrical power distribution rails

### PDU'S

#### VDE - 16 A / 230 V~ with side-earthed outlets

- Sockets set at 35° with child protection
- Aluminium profile silver - height 1U
- Material: fibreglass polyamide plastic with fire resistance to 850°C
- Equipped with power cord (3G 1.5 mm<sup>2</sup>) type H05 VVF, equipped with a mould right angle plug with earthing contact system
- According to DIN49 440, VDE0620-1, IEC 60884 and UNE20315 standards
- Could be used in: Germany, Austria, Netherlands, Italy (partial), Spain, Portugal, Sweden, Norway, Finland, Slovenia, Romania, Hungary, Afghanistan, Andorra, Vatican City, San Marino, Estonia, South Korea, Indonesia, Iceland, Chile, Bulgaria.

NSYAPU10S3



NSYAPU10S3S



NSYAPU19S9



NSYAPU19S8S



NSYAPU19S6CB



NSYAPU19S7FA



NSYAPUS10S



NSYAPUS12CB



Number of sockets	Width (mm)	Depth (mm)	Type	VDE
<b>10" Adapted</b>				
3 sockets outlets	10"	44	A	<b>NSYAPU10S3</b>
3 sockets outlets with recessed green led switch	10"	44	B	<b>NSYAPU10S3S</b>
<b>19" Adapted</b>				
9 sockets outlets	19"	44	A	<b>NSYAPU19S9</b>
8 sockets outlets with recessed green led switch	19"	44	B	<b>NSYAPU19S8S</b>
6 sockets outlets with Overvoltage protection 16 A	19"	76	C	<b>NSYAPU19S6CB</b>
7 sockets outlets with Overvoltage protection 16 A + frequency filters	19"	44	D	<b>NSYAPU19S7FA</b>
<b>Vertical</b>				
10 sockets outlets with recessed green led switch (D. 968 mm)	968	44	B	<b>NSYAPUS10S</b>
12 sockets outlets with Overvoltage protection 16 A (D. 1232 mm)	1232	76	C	<b>NSYAPUS12CB</b>

- A: rail of sockets without protection
- B: rail of sockets with recessed green LED switch
- C: rail of sockets with bi-polar magnetothermal circuit-breaker C16 type C60N 16 A curve C
- D: suppression filter for interferences of up to 30 MHz, guaranteed frequency 400 Hz, attenuation 20 dB per decade.

# Universal accessories

## Electrical power distribution rails

### PDU'S

#### UK - 13 A/240 V~ with BS standard outlets

- Sockets set at 90° with child protection
- Aluminium profile silver - heigh 1U
- Material: fibreglass polyamide plastic with fire resistance to 850°C
- Equipped with power cord (3G 1.5 mm<sup>2</sup>) type H05 VVF, equipped with a mould right angle plug with earthing contact system.

Number of sockets	Width (mm)	Depth (mm)	Type	UTE
<b>19" Adapted</b>				
7 sockets outlets	19"	44	A	<b>NSYAPU19UK7</b>
6 sockets outlets with recessed green led switch	19"	44	B	<b>NSYAPU19UK6S</b>

NSYAPU19UK7



NSYAPU19UK6S



PE500984



NSYAPUB

#### Fixing brackets

- For vertical assembly of distribution rails
- Batch of 2 brackets, adaptable to all rails, delivered with fixings
- Material: treated steel, thickness 10/10 mm
- Fixing to the ends of the rail: reference **NSYAPUBV**
- Fixing with an orientation of 90°: reference **NSYAPUB**.

Fixing	Ref. No
End of the rail	<b>NSYAPUB</b>
Orientation of 90°	<b>NSYAPUBV</b>

PE500985



NSYAPUBV

PES01480



NSYCRTMR3UD

### 19" front plate for modular circuit-breakers

- Front plates for mounting 22 18 mm modules
- Fixing to the 19" rack
- Delivered with steel DIN rail
- Front panel made from sheet steel, 15/10 mm thick, RAL 7035 or RAL 7016 grey paint
- Front panel made from 3 mm anodised aluminium.

PES01658



NSYCRTA4UD

Number of U	References	
	RAL 7035 steel front panel	RAL 7016 steel front panel
3U	NSYCRTM3UD	NSYCRTM3UDG
4U	-	-

PES01659



### 19" DIN rail

- DIN rail for fixing on the front surface of the 19" uprights
- Delivery by unit.

Ref. No

NSYR19DN

# Universal accessories

## Cable management

(compatible only with floor standing enclosures)



PB501515

### Side cable-support cross-rails on 19" uprights

- For mounting between the front and rear 19" uprights
- Allow cables to be flanged using cable ties
- Batch of 2 pieces.

Rack depth (mm)	Distance between the front and rear 19" uprights (mm)	Fixing centre-to-centre distance (mm)	Ref. No
600-800-1000	350	258	<b>NSYTP356</b>
600-800	550	458	<b>NSYTP556</b>
800-1000	750	658	<b>NSYTP756</b>

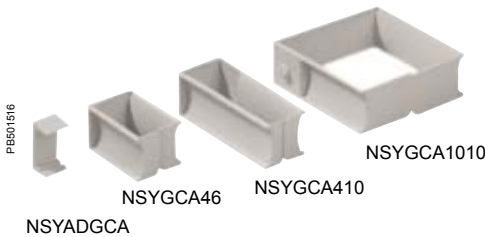


PB501460

### Rear cable-support cross-rails on fixed 19"

- Mounting on the rear of the 19" uprights of the rack
- Allow cables to be fixed and guided at the rear of the circulation panels
- Delivered with the fixings required for installation.

Ref. No
<b>NSYTVAR</b>



PB501516

### Guides (X)

- Mounting on:
  - The 19" uprights (laterally)
  - All the cable-support cross-rails
  - At the rear of the 19" shelves
  - on the framework uprights, with the help of intermediate support reference **NSYADGCA**

- Material: plastic, RAL 7035 light grey
- Guides and supports: batch of 10.

Dimensions (mm)	Ref. No
40 x 60	<b>NSYGCA46</b>
40 x 100	<b>NSYGCA410</b>
100 x 100	<b>NSYGCA1010</b>

Reference of the intermediate support
<b>NSYADGCA</b>



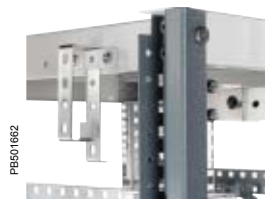
PB501881



PB501517

### Metal guides

- Delivered with the mounting elements (screw, nut)
- Installation on the 19" rack, laterally on the framework uprights inside the rack
- Batch of 10 pieces.



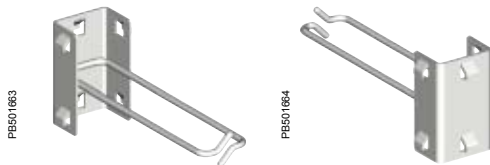
PB501882

Description	Ref. No
100 x 100 guide	<b>NSYGC1010</b>
40 x 100 guide	<b>NSYGC410</b>

# Universal accessories

## Cable management

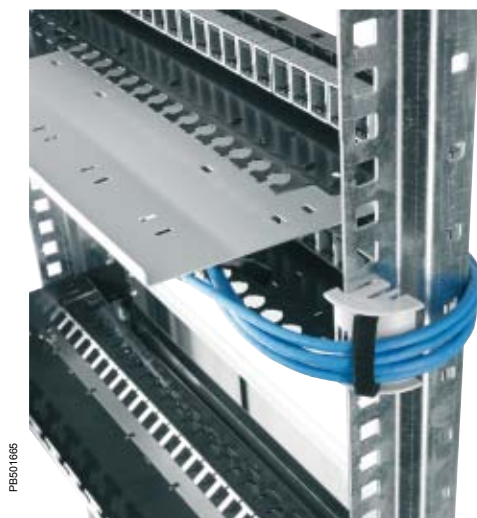
(compatible only with floor standing enclosures)



### Wired guides

- Batch of 10 wired guides
- Side mounting on the 19" uprights
- Material: treated steel.

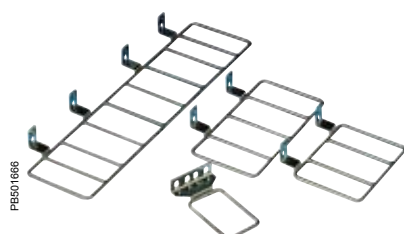
Dimensions (mm)	Ref. No
24 x 130	<b>NSYGCH213</b>



### Cable guide

- Protects and guides the cables on the sheet edges
- Batch of 10 plastic guiding flanges
- Fixed by simply clipping onto the sheet edge.

Ref. No
<b>NSYGCP</b>



### 19" vertical cable guides

- Fixing on the 19" uprights
- Material: nickel steel
- Delivery by unit.

Number of U	Depth (mm)	Ref. No
1.5U	120	<b>NSYGC1US19</b>



### Self-grip strips

- For holding the cables on the supports
- Models available in 3 shapes:
  - cable tie 13 mm wide, 225 mm long; batch of 10 pieces
  - strap in a roll 16 mm wide and 5 metres long, black colour
  - adhesive cable strap, 50 x 20 mm, black colour, in a batch of 10 pieces.

NSYACC2N

Colour	Reference of 225 mm strips
Black	<b>NSYACC2N</b>

Colour	Reference of 5 m strips
Black	<b>NSYACC50N</b>

Colour	Reference of adhesive strap
Black	<b>NSYACCA</b>



# Universal accessories

## Cable management

(compatible only with floor standing enclosures)



P8501687

### Support for the management of cable surplus

- Used for winding cable surplus
- Delivered with the fixings required for installation.

Ref. No
NSYACGCS



Image003

### Performa Zinc+ Mesh trays prepared for Actassi VDA / VDS - 42U enclosures (W)

- 2 models available with depths of 35 or 70 mm; width of 200 mm and length of 1800 mm
- Made from high-quality steel wires with an innovative surface coating for improved corrosion resistance
- Mounting on cable support (references NSYTVPSL6 to NSYTVPSP10) or on the 19" upright supports (rack width 800 mm only)
- Delivered with fixing accessories.

Usable depth (mm)	Ref. No
35	NSYBPC3
70	NSYBPC5

### A summary of the Performa Zinc+ benefits

- A new innovative surface coating for improved corrosion resistance, aesthetic finish and reduced environmental impact
- Double transversal wires for outstanding working load
- Reduced installation time with screw-less accessories
- Patented solution for safety edges
- Delivered in a protective film, colour coded for easy identification.



P126483



PB501486

NSYCRTM1U32B

### 1U 19" front panels with metal guides

- Channels the cables over the front panel of the rack
- Fixing to the 19" rack
- Sheet steel, RAL 7035 or RAL 7016 grey paint.

Number of guides		RAL 7035 cable-guide reference	RAL 7016 cable-guide reference
Vert.	Horiz.		
4	0	<b>NSYCRTM1U40B</b>	<b>NSYCRTM1U40BG</b>
3	2	<b>NSYCRTM1U32B</b>	-



PB501487

### 2U 19" front panel with cable ducting

- Channels and protects the cables over the front panel of the rack
- Fixing on the 19" uprights
- Reinforces the aesthetics of the equipment
- Sheet steel, RAL 7035 light grey paint.

Ref. No

**NSYCRTM2UC**

PB501483

### 1U 19" front panel with cable-gland openings

- Fixing on the 19" uprights
- Openings protected by a gasket
- Sheet steel, RAL 7035 or RAL 7016 grey paint.

RAL 7035 reference

**NSYCRTM1U2**

RAL 7016 reference

**NSYCRTM1U2G**

PB501688

### 1U 19" front panel with openings and cable support

- Fixing on the 19" uprights
- Openings protected by a gasket
- Performs the duty of a cable tray
- Sheet steel, RAL 7035 light grey paint.

Ref. No

**NSYCRTM1UA2**

PB501484

NSYCRTM1U1P

### 1U 19" front panels with cable-gland and brush gasket

- Fixing on the 19" uprights
- Sheet steel, RAL 7035 or RAL 7016 paint
- 150 mm cable support.

Type	RAL 7035 reference	RAL 7016 reference
With cable support at the rear	<b>NSYCRTM1U1P</b>	<b>NSYCRTM1U1PG</b>
Without cable support at the rear	<b>NSYCRTM1U1PS</b>	-



PB501485

### 1U 19" front panel with insulating guides

- Channels the cables over the front panel of the rack
- Fixing on the 19" uprights
- Steel front panel, RAL 7035 light grey paint
- Equipped with 5 guides (reference **NSYGCA46**) in horizontal, vertical and 45° positions.

Ref. No

**NSYCRTM1U5GCA**



PB501669

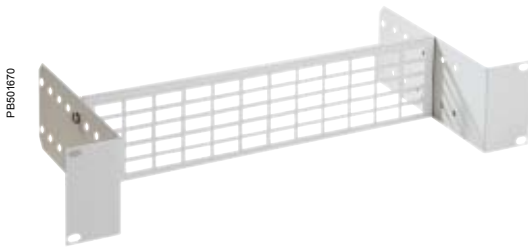
NSYCRTM2U3

### 2U 19" front panel with cable-gland

- Fixing to the 19" rack
- Openings protected by a gasket
- Sheet steel, RAL 7035 light grey paint.

Ref. No

NSYCRTM2U3



PB501670

### 2U depth-adjustable 19" support

- Fixing on the 19" uprights
- Depth-adjustable from 50 to 200 mm; it allows the installation of non-19" devices or the fixing of cables, ducting, etc.
- Sheet steel, RAL 7035 light grey paint
- Delivered with assembly fixings.

Ref. No

NSYCRTM2US



PB501671

### Frontal 19" cable-support cross-rails

- For frontal assembly on the 19" uprights
- Allow cables to be flanged using cable ties
- Batch of 2 pieces.

Ref. No

NSYTVA



Sheet steel.

### Plain 19" front panel

- Fixing to the 19" rack
- Front panel made from sheet steel, 15/10 mm thick, RAL 7035 or RAL 7016 grey paint
- Front panel made from 3 or 4 mm anodised aluminium
- Fixing by screws reference **NSYGFR95M65**
- Earthing claws reference **NSYAEEC100C**.

Number of U	References	
	RAL 7035 steel front panel	RAL 7016 steel front panel
1U	<b>NSYCRTM1U</b>	<b>NSYCRTM1UG</b>
2U	<b>NSYCRTM2U</b>	<b>NSYCRTM2UG</b>
3U	<b>NSYCRTM3U</b>	<b>NSYCRTM3UG</b>
4U	<b>NSYCRTM4U</b>	-
5U	<b>NSYCRTM5U</b>	-
6U	<b>NSYCRTM6U</b>	-
9U	<b>NSYCRTM9U</b>	-
10U	<b>NSYCRTM10U</b>	-
12U	<b>NSYCRTM12U</b>	-



### Front panel with ventilation louvres

- Direct fixing to the 19" rack
- Sheet steel, 15/10 mm thick, RAL 7035 light grey paint
- Allow the entry of air for natural ventilation of the installations
- Option of installing reference **NSYCRTMR3U** with 3 fans reference: **NSYCVF65M230PF** as accessories
- Fixing by screws reference **NSYGFR95M65**
- Earthing claws reference **NSYAEEC100C**.

Number of U	Ref. No
1U	<b>NSYCRTMR1U</b>
3U	<b>NSYCRTMR3U</b>



PE601488

### 1U 19" front panel with ventilation switch and thermostat

- Direct fixing to the 19" rack
- Switch with LED
- Thermostat 0 ... +60°C, In 5 A/250 V
- Front panel made from RAL 7035 or RAL 7016 sheet.

Ref. No RAL 7035	Ref. No RAL 7016
NSYCRTM1UVT	NSYCRTM1UVTG



PE601489

### 1U 19" front panel with digital thermostat

- Direct fixing to the 19" rack
- Thermostat 0 ... +60°C, In 5 A/250 V
- Front panel made from RAL 7035 sheet
- Delivery with thermal sensor with 2 m of cable.

Ref. No
NSYCRTM1UVTD



PE601516

NSYAVD1U1450

### 1U 19" mixing drawer

- Speeds up the upward circulation of air
- Frontal operating LED
- Delivered without connection cord
- The installation of slides reference **NSYGB140** is recommended to guarantee optimum support for the drawer.

P (W)	I (mA)	dB (A)	Depth (mm)	Flow rate (1) (m³/h)	Voltage (V)	Number of fans	Weight (kg)	Drawer reference
34	–	50	200	312	230	2	2.5	NSYAVD1U312T (3)
45	300	43	208	486	230	3	3.3	NSYAVD1U480
68	–	52	320	624	230	4	5	NSYAVD1U624T (3)
90	600	44	330	972	230	6	5.5	NSYAVD1U970
135	900	45	452	1458	230	9	7.8	NSYAVD1U1450
21.3	330	43	208	552	48 (2)	3	3.3	NSYAVD1U550M48

(1) Flow measured without back pressure.

(2) Direct current.

(3) Drawers equipped with a thermostat and a switch.

### 2U 19" tangential fan

- Voltage: 220 V/50 Hz
- Flow rate: 300 m³/h
- Power: 37 W
- Noise level: 53 dB (A).

Ref. No
NSYAVG2U300



PE601068

AW\_1901-B-TP-002



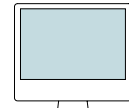
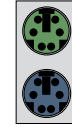
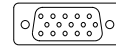
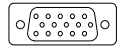
### Telescopic keyboard-screen drawer, 1U

- Single-rail sliding console for any 1U (19") system rack
- Lockable rail (screw type) on both ends to prevent unit from sliding out during transportation
- 19" LCD display, integrated console keyboard & touchpad in a 1U rack drawer
- RGB analog LCD display up to 1280 x 1024 resolution.

Type of keyboard	Ref. No
French	<b>NSYAUSK1UF</b>
English	<b>NSYAUSK1UE</b>

- A/C INPUT: 100-240 V, 1.5 A, 50-60 Hz
- VGA/Keyboard/Mouse contact

Detailbehor





# 19-E Universal accessories lighting







PB607061

### Multi-fixing lamp

This lamp is designed to optimise the space and accessibility of the enclosure, as well as having four fixing options as standard in each model.



Supply: 1 lamp and fixing elements.

Description	Voltage	Socket	Ref. No
Multi-fixing lamp with socket	230 V	Schuko	 <b>NSYLAMCS</b>
Multi-fixing lamp with socket	230 V	UTE	 <b>NSYLAMCF</b>
Multi-fixing lamp with socket	230 V	British	 <b>NSYLAMCB</b>
Multi-fixing lamp with socket	120 V	UL-CSA	 <b>NSYLAMCU</b>



PB60715

### Cost-effective lamp

These lamps offer excellent value for money and can adapt to any installation.



Supply: 1 lamp and fixing elements.

Power	Voltage	Frequency	Lumens*	Dimensions		Ref. No
				(mm)	(in)	
8 W	220 V	50-60 Hz	400 lm	213 x 20 3 36	12.17 x 0.78 x 1.40	<b>NSYLAM8T5</b>



PB60714

### Rack for VDI

1U, 19" rack. For lamp installation in VDI enclosures. Supplied with fixing elements.

Description	Ref. No
1U 19" rack for lamp	<b>NSYLAM1U</b>

# The customised offer

Do you want to have other enclosures than standard? No problem. With Actassi enclosures it's possible to customize colour, accessories, specific lining etc according to your personal needs.

## Two levels of customisation

At Schneider Electric we have developed two levels of customised services based on more than 50 years of experience in the market:

- > Configured offer (standard, modified)
- > Specific offer (custom-built enclosures).



We perform machining, mounting of accessories and painting.



We manufacture customised solutions with our industrial tools. Example: cut-outs made before painting.



# Examples of customised solutions



## Configured offer



Make your own definition based on our standard claddings.

Example: Actassi VDS enclosure in RAL 9011

Equipped with:

- Double Front door with two-points locking system. Airflow above 80 %
- Double Rear door with two-points locking system. Airflow above 80 %
- Two side-doors with locks
- Roof equipped with 6 fans and 1 brush-entry cables



## Specific offer



Built exactly according to your needs







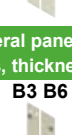





Example: Actassi VDA

One specific VDA enclosure splitted in four compartments to allocate different cabling zones to different customers. This enclosure is delivered equipped, machined and ready to use.



Definition example

Number of	Size guide	
	Width (mm)	Depth (mm)
24	600	600
		800
		1000
29	600	600
		800
		1000
33	600	600
		800
		1000
38	600	600
		800
		1000
42	600	600
		800
		1000
47	600	600
		800
		1000

Rack elements		Front door		
Framework	Side panels	Single (1)	Double (2)	Single door (1)
		<b>A1</b>  With cut-out entries <b>A4</b>  Without cut-out entries <b>A5</b>  With cut-out entries on the top frame, rigidity of 500 kg <b>A6</b>  Without cut-out entries on the top frame, rigidity of 500 kg	<b>Plastic obturator</b> <b>B1 B2</b>  With louvres    Without louvres <b>Brush gasket</b> <b>B4 B5</b>  Without cut-out entries <b>Lateral panels with louvres, thickness 50 mm</b> <b>B3 B6</b>  With cut-out entries on the top frame, rigidity of 500 kg <b>Panel lock kit</b> <b>D1</b>  <b>Coupling kit</b> <b>R1</b> 	<b>C1 C5</b>  Plain <b>C2 C6</b>  Glazed <b>C9 C10</b>  Microperforated

(1) In red: doors with 2-point closure  
(2) In blue: double doors with 3-point closure

S T	
1	RAL 7035
2	RAL 5015
3	RAL 3003
4	RAL 9001
5	RAL 7011
6	RAL 1021
7	RAL 9011
Other colours, consult us	

**Simplified order**  
Tick here to show whether this is an order or a price request (estimate).

Please specify the reference number of your request.

**Easy**  
Please specify the dimensions of the required rack.

Order     Estimate

Your ref. ....

Configure your rack

Number of identical racks required

No.	U	Width	Depth	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	V	W	X	Y	Z	
29	600	800						2			1	1	3	2													

Company ..... Name .....  
 Address ..... Telephone .....  
 Postcode - Town ..... Fax .....  
 Photocopy this form and fax it to your sales office ..... E-mail .....

**Smart**  
If your order is only for spare parts, please use the configuration sheet on page XX.

Please specify the reference of the chosen element.  
Example: E2 is a roof plate with brush gasket.

**Choice**  
Your choice of colours.  
Example: grey uprights and yellow cladding.

Rack elements							
Rear	Double door (2)	Rear panel	Roof plate	Plinth	19" upright	Escutcheon	Top blanking plate
<b>D6</b> PB501552 Plain	<b>D7</b> PB501554 Glazed	<b>D4</b> PB501558 Plain	<b>E1</b> PB501559 Plain <b>E2</b> PB501560 Brush gasket <b>E3</b> PB501561 Perforated	<b>F1</b> PB501562 <b>F2</b> PB501563 Anti-tilt	<b>G1</b> PB501564 Front <b>G2</b> PB501565 Front and rear <b>G3</b> PB501566 12U partial front <b>G4</b> PB501567 12U partial front and rear	<b>H2</b> PB501573 Cable gland width 800 mm <b>H3</b> PB501487 Of the structure	<b>J2 J1</b> PB501568 Plain <b>J3 J4</b> PB501569 3 fans 2 fans <b>J5</b> PB501570 Ventilation louvres <b>Bottom blanking plate</b> <b>K2 K1</b> PB501568 Brush gasket <b>K3</b> PB501570 Ventilation louvres <b>Rear blanking plate</b> <b>L1</b> PB501571 Brush gasket <b>L2 L3</b> PB501569 3 fans 2 fans <b>L4</b> PB501570 Ventilation louvres
<b>D10</b> PB501552 Microperforated	<b>D20</b> PB501485 Rear extension kit, 100 mm thick	<b>Q1</b> PB500883 Roof stand-offs	<b>M1</b> PB501446 Levelling feet <b>M2</b> PB501499 Anti-vibration feet <b>M3</b> PB501501 Wheels <b>M4</b> PB501550 Foot-wheels adaptation kit	<b>Z3</b> PB500217 Panel earthing	<b>Partial 19" uprights</b>		

**Non-mounted accessories description**

Ref. No	Amount
.1U 19" front plate	2
.5U front panel	1
.1U fixed shelf	2
.2U adjustable support	1
.....	.....
.....	.....

**Smart**

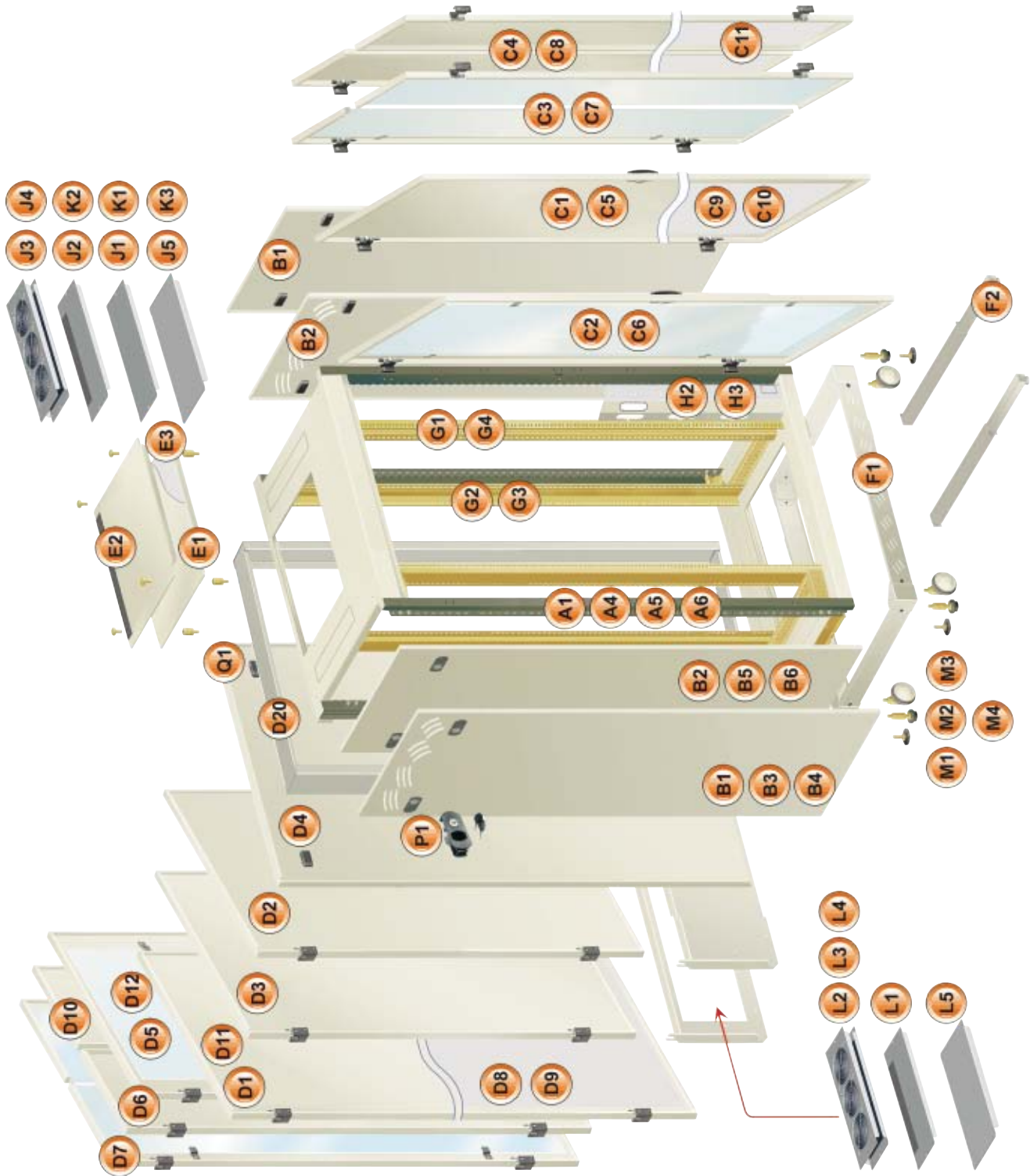
To order exactly identical racks, please specify the number of racks required.  
To order different racks, fill in a separate form for each type of rack.

Please specify the required rack accessories.

**Practical**

Choose the door opening direction.

Elements of a rack



PRB01422

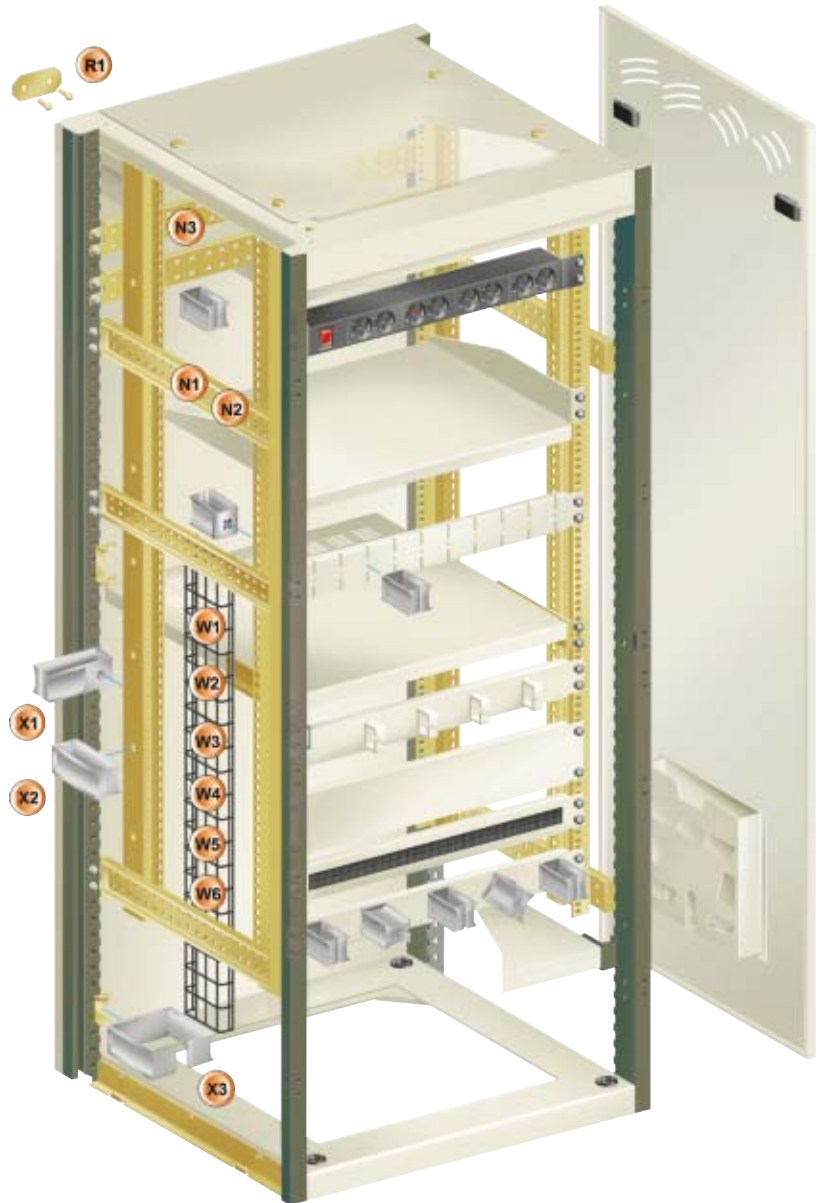


Elements of a rack

- A** Framework
- B** Side panels
- C** Front doors
- D** Rear doors or panels
- E** Plain roof plate
- F** Plinths
- G** 19" uprights
- H** Trim strips
- J** Blanking plates for the top of the rack
- K** Blanking plates for the bottom of the rack (1)
- W** Blanking plates for the rear of the rack (1 plate)
- M** Standard levelling feet
- N** Cable-support cross-rails
- D** Lock kit for rear and side panels
- Q** Roof stand-offs
- R** Coupling kit
- S** Colour of the paint on the structure uprights
- T** Colour of the paint on the cladding elements
- W** Steel wired cable trays
- X** Cable-gland guides
- Y** Earthing strips
- Z** Door switch, fixings, earthing kit

(1) Number of plates

Rack depth (mm)	Number of plates at the top	Number of plates at the bottom
600	3	2
800	3	3
1000	3	3



PB501572



## Cladding elements and accessories

### Rack elements

- A1** Framework with knock-out entries (top frame)
- A4** Framework without knock-out entries (top frame)
- A5** Framework with knock-out entries (top frame) rigidity 500 kg
- A6** Framework without knock-out entries (top frame) rigidity 500 kg

### Cladding accessories

- B1** Side panels with ventilation louvres
- B2** Side panels without ventilation louvres
- B3** Side panels, with 50 mm ventilation louvres
- B4** Side panels, with ventilation louvres and brush gasket
- B5** Side panels, without ventilation louvres and brush gasket
- B6** Side panels with 50 mm ventilation louvres and brush gasket
- R1** Coupling kit
- P1** Lock kit for rear and side panels
- C5 C1** Plain front door (1)
- C6 C2** Glazed front door (1)
- C7** Front door with double leaf, glazed (2)
- C8** Front door with double leaf, plain (2)
- C10 C9** Microperforated front door (1)
- C11** Front door with double leaf, microperforated (2)
  - H3** Structure trim strips (rack without door)
- D11 D1** Plain rear door (1)
  - D2** Partial rear door with plain 6U panel
  - D3** Partial rear door with cut-out 6U panel
  - D4** Rear panel
- D12 D5** Glazed rear door (1)
- D6** Rear door with double leaf, plain (2)
- D7** Rear door with double leaf, glazed (2)
- D9 D8** Microperforated rear door (1)
- D10** Rear door with double leaf, microperforated (2)
  - D20** Rear extension kit
    - E1** Plain roof plate
    - E2** Roof plate with brush gasket
    - E3** Perforated roof plate
    - Q1** Roof stand-offs
    - Z3** Panel earthing kit
  - S** Colour of the structure upright paint
  - T** Colour of the paint of the cladding elements

(1) Code in red: doors with 2-point closure.

(2) Code in blue: double door with 3-point closure.

### Base accessories

- F1** Plinth
- F2** Anti-tilt plinth
- M1** Standard levelling feet
- M2** Anti-vibration levelling feet
- M3** Handling castors
- M4** Castor adaptation kit

### Blanking plates for the top of the rack (2)

- J1** Plain blanking plate
- J2** Blanking plate with brush gasket
- J3** Blanking plate with 3 fans
- J4** Blanking plate with 2 fans
- J5** Blanking plate with ventilation louvres

### Blanking plates for the bottom of the rack (2)

- K1** Plain blanking plate
- K2** Blanking plate with brush gasket
- K3** Blanking plate with ventilation louvres

### Blanking plates for the rear of the rack (1 plate)

- L1** Blanking plate with brush gasket
- L2** Blanking plate with 3 fans
- L3** Blanking plate with 2 fans
- L4** Blanking plate with ventilation louvres

(2) Top frame: always 3 plates; bottom frame depth 600 mm: 2 plates; depth 800 and 1000 mm: 3 plates.

### Installation accessories

- G1** Front 19" uprights and depth supports
- G2** Front/rear 19" uprights and depth supports
- G3** 12U partial 19" uprights
- G4** Front/rear 12U partial 19" uprights installed at the top
- Z2** Bag of 19" fixings (30 pieces)

### Cable-management accessories

- H2** Trim strips with cable glands (rack width 800 mm)
- N1** Cable-support cross-rails on framework, on the left
- N2** Cable-support cross-rails on framework, on the right
- N3** Cable-support cross-rails on framework, on the rear
- W1** Wired cable tray, 35 mm deep, on the left
- W2** Wired cable tray, 35 mm deep, on the right
- W3** Wired cable tray, 35 mm deep, on the rear
- W4** Wired cable tray, 70 mm deep, on the left
- W5** Wired cable tray, 70 mm deep, on the right
- W6** Wired cable tray, 70 mm deep, on the rear

- X1** 40 x 60 mm guides mounted on the 19" uprights
- X2** 40 x 100 mm guides mounted on the 19" uprights
- X3** 100x 100 mm guides mounted on the 19" uprights

### Complementary accessories

- Y1** Insulated earthing strip
- Y2** Non-insulated earthing strip
- Z1** Door switch
- Z2** Bag of fixings
- Z3** Panel earthing kit

Example of realisations



Colocation

**Colocation 19" enclosure**  
Enclosure separated in 4 parts to give different access to each customer. Each hosted customer has his own secured access and cannot make some operation to the other part of the enclosure space.



ICM

**Branded 19" enclosure equipped with saloon glazed doors**  
Enclosure totally customized with the customer requirements. 42U enclosure equipped with double glazed doors permits to open the doors when you don't have space.



Reck with ventilation

**Ventilated 19" enclosure with fans mounted on the doors**  
Enclosure dedicated to extract a lot of heat. Mainly dedicated to server application. This configuration permits to ensure the stability of the installation



Reck 400mm

**19" enclosure – Depth 400 mm**  
19" enclosure with a very limited depth (Depth 400 mm) for cabling application. Required by the customer to reduce the size of the installation.



PE601564

**Wall-mounting enclosure – Depth 1000 mm**  
Enclosure totally customized with the customer requirements. 12U – Width 600 mm and Depth 1000 mm.



NATIXIS1

**Racks structure merged with a middle zone cabling**  
Totally dedicated for cabling, this structure permits to easily manage the cables and to give the best access to install the components.

## Degree of protection

Standard IEC 60364-5-51 lists and codifies a large number of external influences to which electrical installations can be subjected, including the presence of water, solid objects, shocks, vibrations, corrosive substances, etc.

## IP code

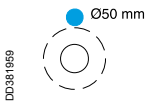
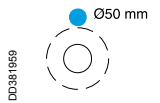
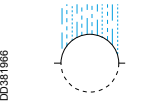

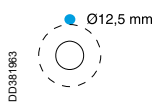

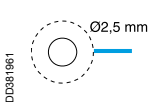
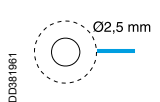
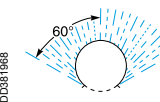
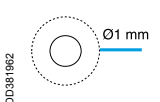
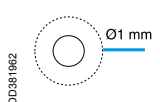
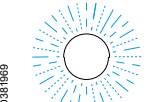
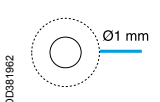
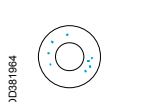
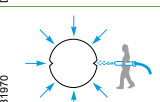
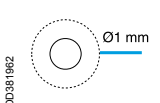
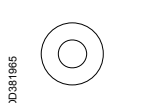
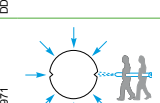
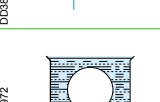
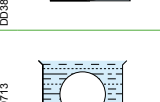
Standard IEC 60529 (IP code, February 2001) indicates the degrees of protection provided by an enclosure for electrical devices against access to hazardous parts, against penetration of solid foreign objects and against penetration of water.

These standards do not apply for the protection against the risks of explosion or conditions such a humidity, corrosive vapour, fungus or vermin.

The IP code is made up of two characteristic numerals and can include an additional letter when the actual protection for persons against access to the hazardous parts is better than that indicated by the first numeral.

The first numeral characterises the protection provided against the ingress of solid foreign objects and the protection of persons.

The second numeral characterises the protection provided against the ingress of water with harmful effects.

1 <sup>st</sup> numeral	2 <sup>nd</sup> numeral	Protection of persons	Protection against ingress of solid objects	2 <sup>nd</sup> numeral	Protection against ingress of water
1	1	Protected against access with back of hand	Protection against solid foreign objects larger than 50 mm	1	Protected against vertically dripping water (condensation)
		 DD381959	 DD381959		 DD381966
2	2	Protected against access with a finger	Protection against solid foreign objects larger than 12.5 mm	2	Protected against dripping water up to 15° from vertical
		 DD381960	 DD381963		 DD381967
3	3	Protected against access with a tool	Protection against solid foreign objects larger than 2.5 mm	3	Protected against spraying water up to 60° from vertical
		 DD381961	 DD381961		 DD381968
4	4	Protected against access with a wire	Protection against solid foreign objects larger than 1 mm	4	Protected against splashing water from all directions
		 DD381962	 DD381962		 DD381969
5	5	Protected against access with a wire	Protected against dust (dust protected)	5	Protected against water jets from all directions
		 DD381962	 DD381964		 DD381970
6	6	Protected against access with a wire	Dust tight	6	Protected against powerful water jets from all directions
		 DD381962	 DD381965		 DD381971
				7	Protected against the effects of temporary immersion in water
					 DD381972
				8	Protected against the effects of continuous immersion in water
					 DD381973

## IK code

Standard IEC 62262 defines an IK code characterising the capacity of products to resist mechanical impacts from all sides.

IK code	Impact energy (joules)
01	0.14
02	0.2
03	0.35
04	0.5
05	0.7
06	1
07	2
08	5
09	10
10	20

IK codes can be selected according to the risks of impacts on a given site.

Risk	Site	Recommended IK
No risk of major impact	Technical premises	07
Significant risk of impact that can damage devices	Hallways	08 (switchboard with door)
Maximum risk of impact that can damage the switchboard	Workshops	10





# Wall plates with RJ45

**Countries are encouraged to add their RJ45 wall plate offers.**

<b>2</b>			
2D4P6T2PS3Rxx	66		
<b>A</b>			
ACT4P5ESCM3RBxx	62	ACTC6110PC4PA2	105
ACT4P5ESCR3RBxx	62	ACTC6110PC4PA3	105
ACT4P5ESLS3RBxx	62	ACTC6110PC4PB1	105
ACT4P5EUCM3RBxx	62	ACTC6110PC4PB2	105
ACT4P5EUCR3RBxx	62	ACTC6110PC4PB3	105
ACT4P5EULS3RBxx	62	ACTC6110PDT4P	103
ACT4P6SCM3RBxx	64	ACTC6110RM96P	103
ACT4P6SLS3RBxx	64	ACTC6110RM192P	103
ACT4P6UCM3RBxx	64	ACTC6110RM288P	103
ACT4P6UCR3RBxx	64	ACTC6110WMW48	103
ACT4P6ULS3RBxx	64	ACTC6110WMW96	103
ACT5E110PC1PB1	106	ACTC6110WMW288	103
ACT5E110PC1PB2	106	ACTFA1CMMZP	170
ACT5E110PC1PB3	106	ACTFA1CSMZP	170
ACT5E110PC2PB1	106	ACTFA1TMMZM	170
ACT5E110PC2PB2	106	ACTFA1TSMZM	170
ACT5E110PC2PB3	106	ACTFA2CLMMZP	170
ACT5E110PC4PB1	106	ACTFA2CLSMZP	170
ACT5E110PC1PA1	104	ACTFA2CMMZP	170
ACT5E110PC1PA2	104	ACTFA2CSMZP	170
ACT5E110PC1PA3	104	ACTFA2CTMMZP	170
ACT5E110PC2PA1	104	ACTFA2CTSMZP	170
ACT5E110PC2PA2	104	ACTFA2LMMZP	170
ACT5E110PC2PA3	104	ACTFA2LSMZP	170
ACT5E110PC4PA1	104	ACTFA2MMMP	170
ACT5E110PC4PA2	104	ACTFCLCMM1	124
ACT5E110PC4PA3	104	ACTFCLCMM3	124
ACT25P3UCM3RGY	61	ACTFCLCSM1	124
ACT25P3UCR3RGY	61	ACTFCLCSM3	124
ACT25P3ULS3RGY	61	ACTFCMTRJMM1	124
ACT25P5EUCM3RGY	63	ACTFCSCMM3	124
ACT25P5EUCR3RGY	63	ACTFCSCMM9	124
ACT25P5EULS3RGY	63	ACTFCSCSM3	124
ACT50P3UCM3RGY	61	ACTFCSCSM9	124
ACT50P3UCR3RGY	61	ACTFCSTMM3	124
ACT50P3ULS3RGY	61	ACTFCSTMM9	124
ACT100P3UCM3RGY	61	ACTFCSTSM3	124
ACT100P3UCR3RGY	61	ACTFCSTSM9	124
ACT100P3ULS3RGY	61	ACTFM1UF2LC6PMM	168
ACT110CMP	102	ACTFM1UF2LC6PSM	168
ACT3100E30IDF	108	ACTFM1UF2LC12PM	168
ACT3100E100IDF	108	ACTFM1UF2LC12PS	168
ACT3100F250MDF	107	ACTFM1UF2SC3PMM	168
ACT3100F500MDF	107	ACTFM1UF2SC3PSM	168
ACT3100LABHLDRH	109	ACTFM1UF2SC6PMM	168
ACT3100VCM10	109	ACTFM1UF2SC6PSM	168
ACT3100VDM10	109	ACTFMSPT4USET	168
ACT3100VEM10	109	ACTFMSPTKIT	164, 168
ACTC5E110BL4P	102	ACTFP1C1S19S10	156
ACTC5E110BL5P	102	ACTFP1C1S19S20	156
ACTC5E110BL45P	102	ACTFP1C1S19S30	156
ACTC5E110PDT4P	102	ACTFP1C1S19S50	156
ACTC5E110RM100P	102	ACTFP1C1S19S100	156
ACTC5E110WMN50	102	ACTFP1CL1S19S10	158
ACTC5E110WMN50K	102	ACTFP1CL1S19S20	158
ACTC5E110WMN100	102	ACTFP1CL1S19S30	158
ACTC5E110WMN100K	102	ACTFP1CL1S19S50	158
ACTC5E110WMW50	102	ACTFP1CL1S19S100	158
ACTC5E110WMW50K	102	ACTFP1L1S19S10	155
ACTC5E110WMW100	102	ACTFP1L1S19S20	155
ACTC5E110WMW100K	102	ACTFP1L1S19S30	155
ACTC6110BL4P	103	ACTFP1L1S19S50	155
ACTC6110PC1PA1	105	ACTFP1L1S19S100	155
ACTC6110PC1PA2	105	ACTFP1T1S19S10	157
ACTC6110PC1PA3	105	ACTFP1T1S19S20	157
ACTC6110PC1PB1	105	ACTFP1T1S19S30	157
ACTC6110PC1PB2	105	ACTFP1T1S19S50	157
ACTC6110PC1PB3	105	ACTFP1T1S19S100	157
ACTC6110PC2PA1	105	ACTFP1TC1S19S10	159
ACTC6110PC2PA2	105	ACTFP1TC1S19S20	159
ACTC6110PC2PA3	105	ACTFP1TC1S19S30	159
ACTC6110PC2PB1	105	ACTFP1TC1S19S50	159
ACTC6110PC2PB2	105	ACTFP1TC1S19S100	159
ACTC6110PC2PB3	105	ACTFP2C1M16M10	156
ACTC6110PC4PA1	105	ACTFP2C1M16M20	156
		ACTFP2C1M16M30	156
		ACTFP2C1M16M50	156
		ACTFP2C1M16M100	156
		ACTFP2C1M25M10	156
		ACTFP2C1M25M20	156
		ACTFP2C1M25M30	156
		ACTFP2C1M25M50	156

ACTFP2C1M25M100	156	ACTFP2T1M45M20	157
ACTFP2C1M35M10	156	ACTFP2T1M45M30	157
ACTFP2C1M35M20	156	ACTFP2T1M45M50	157
ACTFP2C1M35M30	156	ACTFP2T1M45M100	157
ACTFP2C1M35M50	156	ACTFP2T1S19S10	157
ACTFP2C1M35M100	156	ACTFP2T1S19S20	157
ACTFP2C1M45M10	156	ACTFP2T1S19S30	157
ACTFP2C1M45M20	156	ACTFP2T1S19S50	157
ACTFP2C1M45M30	156	ACTFP2T1S19S100	157
ACTFP2C1M45M50	156	ACTFP2TC1M16M10	159
ACTFP2C1M45M100	156	ACTFP2TC1M16M20	159
ACTFP2C1S19S10	156	ACTFP2TC1M16M30	159
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ACTFP2CL1M16M50	158	ACTFP2TC1M35M10	159
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ACTFP2CL1M25M100	158	ACTFP2TC1M45M20	159
ACTFP2CL1M35M10	158	ACTFP2TC1M45M30	159
ACTFP2CL1M35M20	158	ACTFP2TC1M45M50	159
ACTFP2CL1M35M30	158	ACTFP2TC1M45M100	159
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ACTFP2CL1M45M20	158	ACTFP2TC1S19S50	159
ACTFP2CL1M45M30	158	ACTFP2TC1S19S100	159
ACTFP2CL1M45M50	158	ACTFSMODULE180	45
ACTFP2CL1M45M100	158	ACTFSPUNCH110	45
ACTFP2CL1S19S10	158	ACTFT1C1M25M10	161
ACTFP2CL1S19S20	158	ACTFT1C1M25M15	161
ACTFP2CL1S19S30	158	ACTFT1C1M25M20	161
ACTFP2CL1S19S50	158	ACTFT1C1M35M10	161
ACTFP2CL1S19S100	158	ACTFT1C1M35M15	161
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