Network Connectivity

The Actassi system
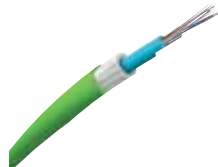
Seamless end-to-end network connectivity

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.

Contents

Enhanced performance, that's the Actassi effect.

Actassi enhances the network performance in offices, data centres, hospitals and schools.

A network set-up never gets better than the way it was planned from the start. That's why the Actassi system includes everything you need, from enclosures and patch panels, to cables and connectors. All are easily integrated with our products to improve accessibility, such as the OptiLine pop-ups and posts. To make it even simpler to select your Actassi system products, we have developed a tool called Digital Rule. It's an intelligent e-catalogue which will facilitate your choices and ensure an error-free specification of the total Actassi system. The application is easy to use and easy to update.

Your skills + Our skills and innovations = **Connectivity to the power of you!**

By choosing Actassi, which is integrated with all other Schneider Electric solutions, your skills will be greatly empowered. Designed for, and in cooperation with installers and IT professionals our network connectivity solutions combine all areas of expertise, allowing you to make the most of your networks.

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.

P121600

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 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.

P126680

P127364

P131339

The high-performance CL-MX cable

A new and innovative shielded Cat 6_A 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.

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.

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.

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

Actassi 19" Panels

Sliding function, automatic earthing, quick-release button and rear cable identification make the Actassi 19" panel a delight to install.
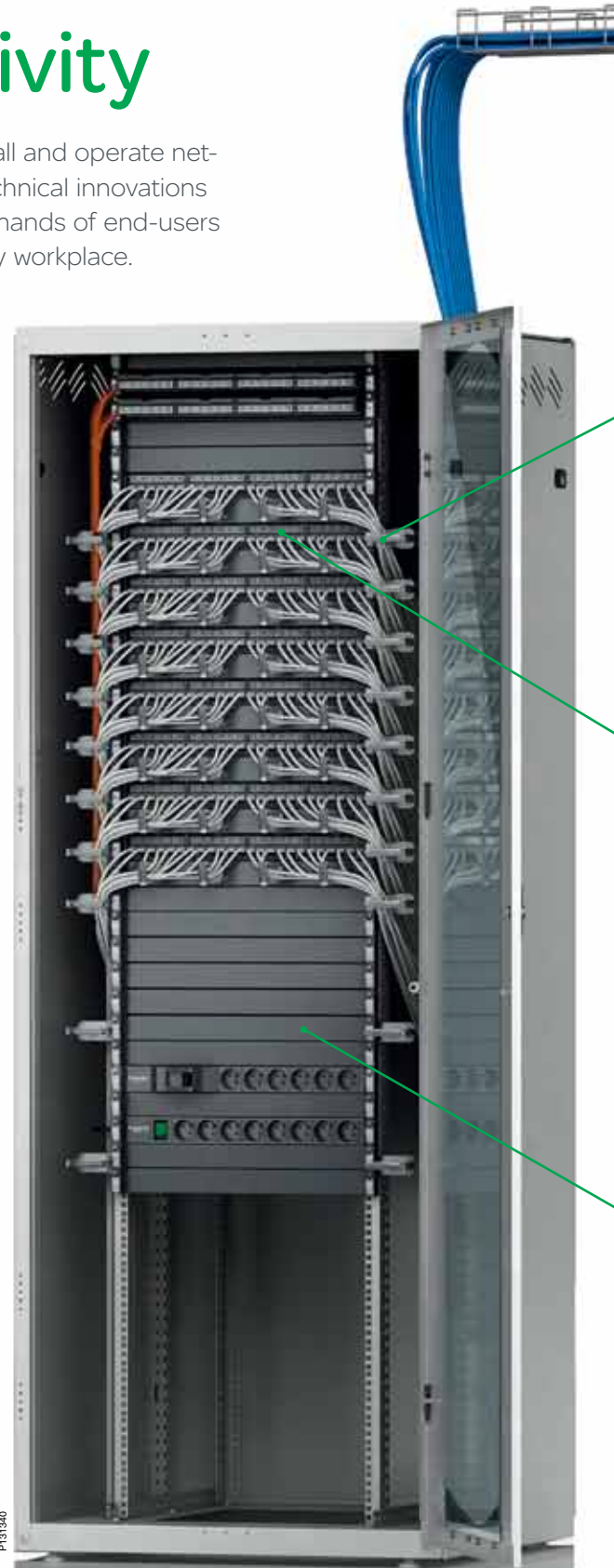
CL-MX cable
The new Actassi CL-MX cable has a patented metallic crossfiller which brings 3x shielding and superior EMC. Still it's 3 times faster to install!

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.

OptiLine
Consolidation point

Performa
Mesh trays

Cable management for perfectionists
Every cord and cable is easily fixed and fastened
in its designated place.
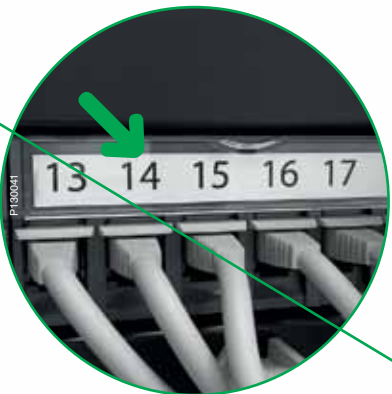
Clear marking
Both patch panels and connector face plates are
equipped with a system for clear marking.
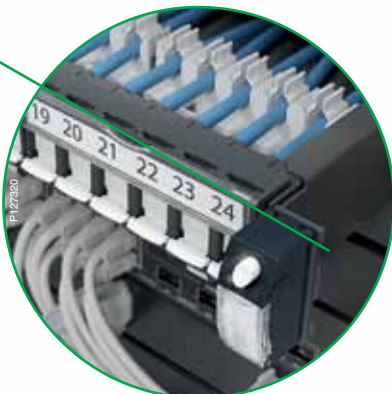
Expand in no time
The patch panels are pre-equipped and have
benefits such as the Quick Fix and a convenient
sliding function.

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, tech-
nology and design by
providing network and
power access for complete
flexibility.
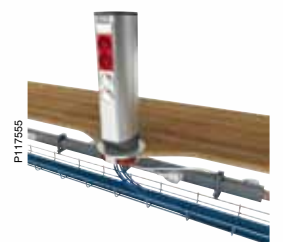
Floor installation
For a truly flexible solution,
use our two-sided post.
It's equipped with a fixing
for the innovative floor
grommet, enabling easy
future adjustments.

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.

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 and try our Digital Rule. It's an intelligent online e-catalogue which will facilitate your choices and ensure an error-free specification.

OptiLine makes power and the Actassi network accessible with style

Why not go all the way to increase function, technology and good design at the office? The OptiLine installation system leads power and IT from the source and is as easy to extend and adapt, as to use.

The OptiLine installation system is built to save all kinds of energy. The product range consists of post, poles, pop-ups, boxes and trunking, enabling elegant access everywhere. Power, telecom and data are easily supplied to every workplace and accessible through elegant wiring devices and outlets.

Make the entire installation complete with KNX energy control. This range provides comfortable adjustments of room temperature, ventilation, light, roller blinds and other conveniences through presence detectors and a central touch panel. The OptiLine installation system, monitored by the KNX energy control, is a future-proof investment.

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.

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, Infraplus, 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_A 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 14-15.

The Actassi system consists of a comprehensive set of products:

> Connectors for Cat 5e, Cat 6 and Cat 6_A performance

> Cross-connect panels

> Copper and fibre optic LAN cables

> Patch cords and connecting hardware

> Cabling and server enclosures
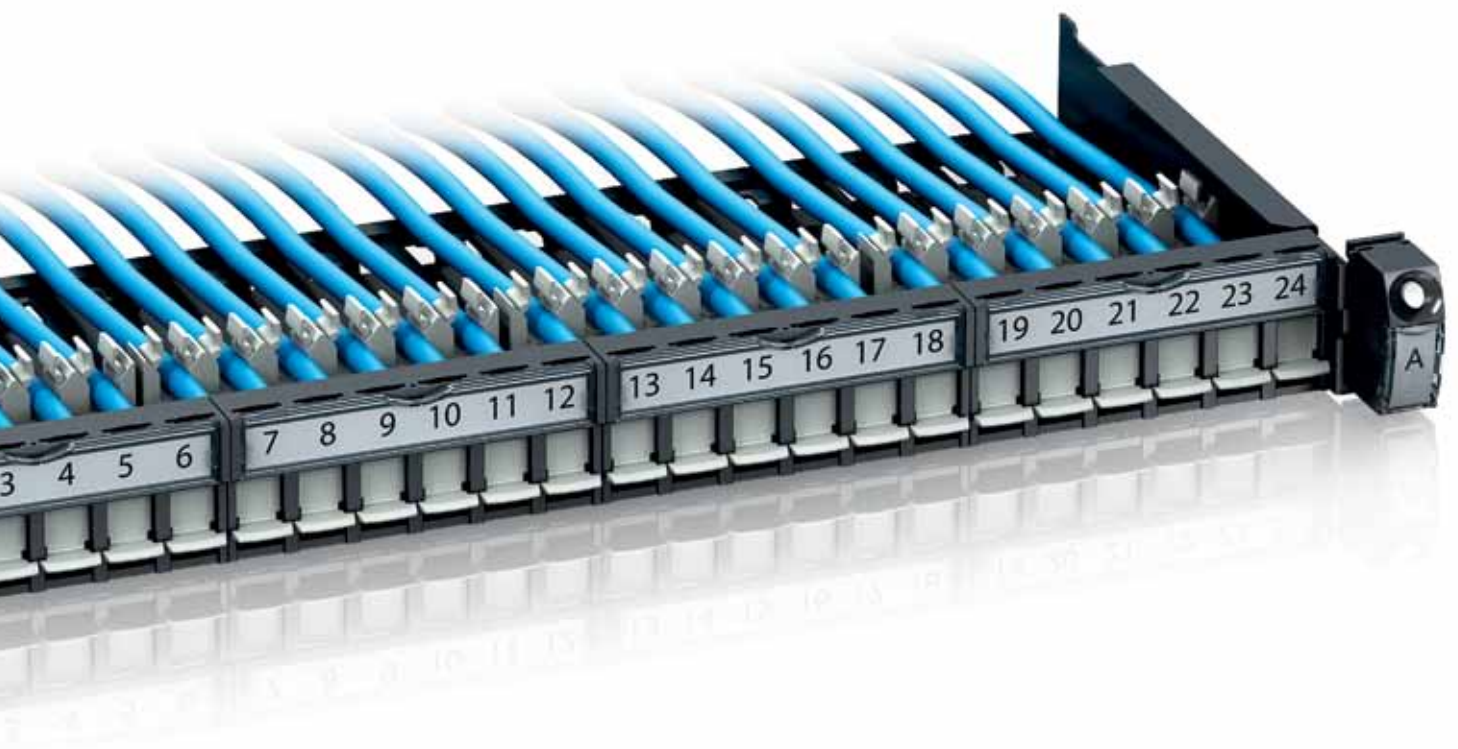
Actassi Copper solution

Actassi S-One RJ45 connectors

P121615

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 shielded and unshielded connectors of all categories.

P121597

P121620

P121599
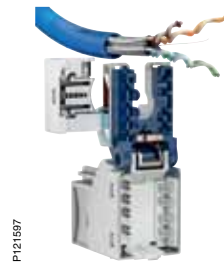
Ready...

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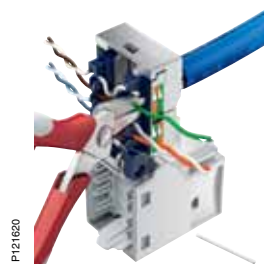
Steady...

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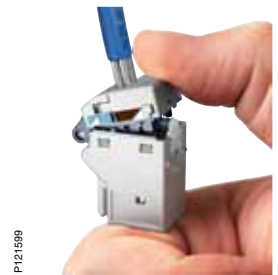
Done.

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.

Safe and automatic 360° earthing

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

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.

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.

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

Integrated earth-drain contact provides double earthing.

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 shielded and unshielded connectors are coded according to the same system. Dark blue for Cat 6_A, light blue for Cat 6 and green for Cat 5e.

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

Integrated hook for the 19" rack.

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.

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.

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.

Schneider Electric

Cat 6A	Cat 6	Cat 5e

P121216

P121215

P121214

P121213

P121212

P121211

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 6A, so you can always count on an outstanding performance and reliability.

Actassi S-One RJ45 connectors

■ Performance categories: Cat 6_A, 6 and 5e, shielded and unshielded.
■ Material: Shielded in zamak, unshielded in ABS plastic.
■ 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_A connecting hardware.
   – ANSI/TIA-568-C.2 Cat 6_A 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 C6$_A$ – Cat 6$_A$

Description	Qty/pack	Reference
RJ45 Connector Cat 6$_A$ Unshielded	12	VDIB1772XU12
RJ45 Connector Cat 6$_A$ Unshielded	96	VDIB1772XU96
RJ45 Connector Cat 6$_A$ Unshielded	1	VDIB1772XU01
RJ45 Connector Cat 6$_A$ Shielded	12	VDIB1772XB12
RJ45 Connector Cat 6$_A$ Shielded	96	VDIB1772XB96
RJ45 Connector Cat 6$_A$ Shielded	1	VDIB1772XB01

S-One C6 – Cat 6

Description	Qty/pack	Reference
RJ45 Connector Cat 6 Unshielded	12	VDIB17726U12
RJ45 Connector Cat 6 Unshielded	96	VDIB17726U96
RJ45 Connector Cat 6 Unshielded	1	VDIB17726U01
RJ45 Connector Cat 6 Shielded	12	VDIB17726B12
RJ45 Connector Cat 6 Shielded	96	VDIB17726B96
RJ45 Connector Cat 6 Shielded	1	VDIB17726B01

S-One C5e – Cat 5e

Description	Qty/pack	Reference
RJ45 Connector Cat 5e Unshielded	12	VDIB17725U12
RJ45 Connector Cat 5e Unshielded	96	VDIB17725U96
RJ45 Connector Cat 5e Unshielded	1	VDIB17725U01
RJ45 Connector Cat 5e Shielded	12	VDIB17725B12
RJ45 Connector Cat 5e Shielded	96	VDIB17725B96
RJ45 Connector Cat 5e Shielded	1	VDIB17725B01

P121213

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P121215

P121211

P121214

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 punch-down tool (recommended). Actassi S-110 range provides full compliance to the latest international standards ISO/IEC 11801:2011 Ed.2.2 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

P134682

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
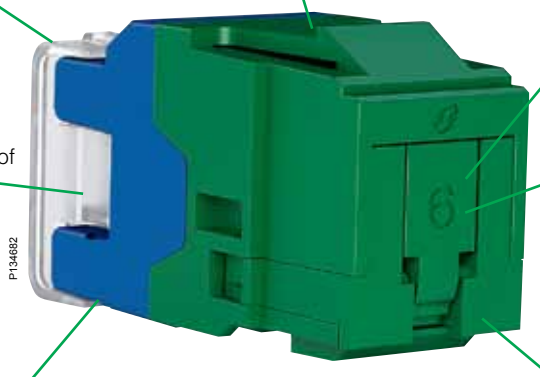
Two fixed panels – empty and equipped with the S-110 connectors

The Actassi S-110 product range also includes two fixed panels – one is empty and one is pre-equipped with 24 RJ45 S-110 connectors. Both panels have a Quick Fix function on both sides, and they are equipped with 4 label holders and a metall tray cable manager.

Empty fixed panel for S-110 connectors

Equipped fixed panel with S-110 connectors

Actassi S-110 RJ45 connectors

- Performance categories: Cat 6, Cat 5e 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

S-110 C6 Cat 6

Description	Qty/pack	Reference
Without shutters		
Connector RJ45 Keystone Unshielded, white	1	VDIB17766UWE
Connector RJ45 Keystone Unshielded, black	1	VDIB17766UBK
With shutters		
Connector RJ45 Keystone Unshielded, white	1	VDIB17746UWE
Connector RJ45 Keystone Unshielded, black	1	VDIB17746UBK
Connector RJ45 Keystone Unshielded, blue	1	VDIB17746UBU
Connector RJ45 Keystone Unshielded, green	1	VDIB17746UGR
Connector RJ45 Keystone Unshielded, red	1	VDIB17746URD
Connector RJ45 Keystone Unshielded, yellow	1	VDIB17746UYL

S-110 C5 Cat 5e

Description	Qty/pack	Reference
Without shutters		
Connector RJ45 Keystone Unshielded, white	1	VDIB17765UWE
Connector RJ45 Keystone Unshielded, black	1	VDIB17765UBK

S-110 Tools

Description	Qty/pack	Reference
Recommended punch down tool Included blade	1	ACTTRJ45PDT
Recommended punch down tool blade	1	ACTTRJ45PDTB

P134686
P134688
P134679
P134680
P134681
P134682
P134683
P134684
P134685
P134687
P136447
P136448

Actassi copper cables

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_A. 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_A 1000 MHz. Exceeding international standards by 3 dB minimum on NEXT & RL. Full Delta certification for components and permanent links.

CL-MX offer

Exclusively designed LAN copper cables for category 6_A with a patented single-foil metallic Xfiller, providing high performance and reliable shielded installations. Exceeding international standards by 3 dB minimum on NEXT & RL. Full Delta certification for components and permanent links.

P119658

P119665

P126513

Actassi offer overview

Type of shielding	Performances			
	Cat. 5	Cat. 6	Cat6$_A$	Cat7$_A$
S/FTP				CL-MNC**
F/FTP			CL-MNC CL-MX	CL-MNC
U/FTP		CL-MNC	CL-MNC	
SF/UTP		CL-C		
F/UTP	CL-C*	CL-C	CL-C CL-MNC	
U/UTP	CL-C*	CL-C* 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
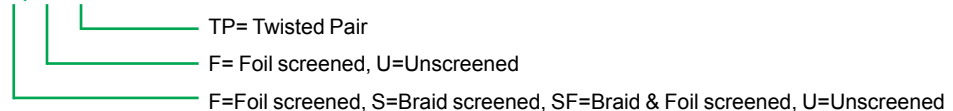
Actassi copper cables

Some important advantages

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-MNC crossfiller with optimized design and micro-blades

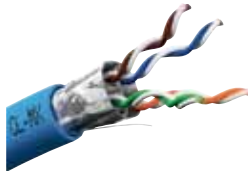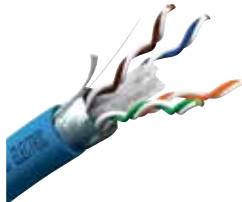With an optimized design and specific micro-blades, you will have better performances in NEXT and ELFEXT, and a better resistance to the mechanical constraints.

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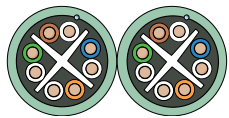
CL-C, CL-MNC, CL-MX dual cables

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.

Performances

Frequency (MHz)				250		500		1000
Attenuation (dB)*			33	33	33	45.3	45.3	61.9
NEXT (dB)*			39.3	42.3	59.3	34.8	54.8	60.4
ACR-F (dB)*			20	23	20	14	24	35.3
Propagation speed (%c)			66	66	78	70	70	78

Cat 6

CL-C U/UTP

CL-MNC U/UTP

CL-C F/UTP

CL-MNC U/FTP

Cat 6A

CL-C F/UTP

CL-MNC F/UTP

CL-MNC U/FTP

CL-MNC F/FTP

CL-MX F/FTP

Cat 7A

CL-MNC F/FTP

CL-MNC S/FTP

CL-MNC S/FTP
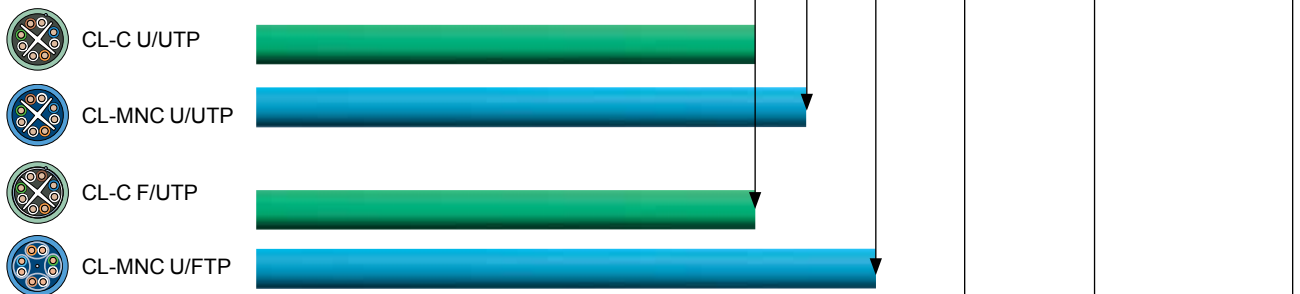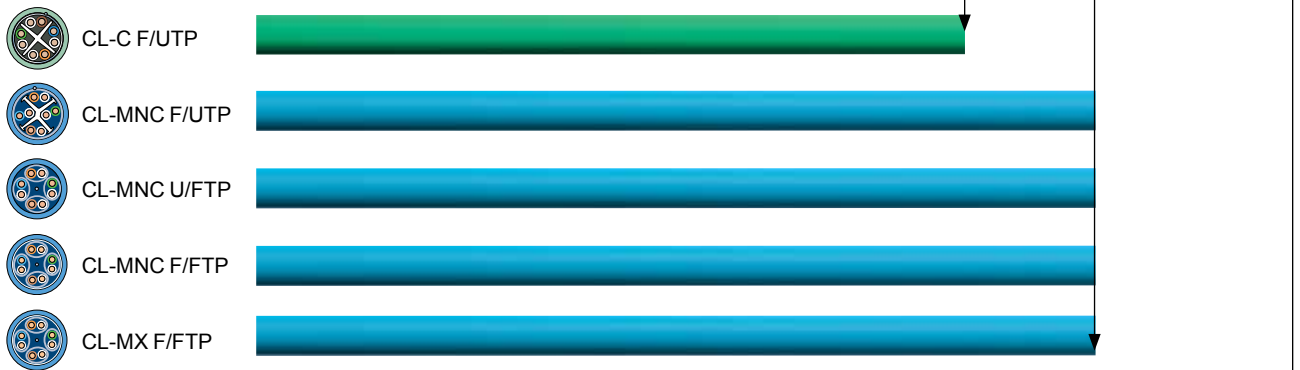
* Nominal characteristics given for 100 meters at maximum frequencies:
  250 MHz for category 6, 500 MHz for category 6A, 1000 MHz for category 7A.

Actassi CL-MX cables

3 times improved performance with 1 new metallic crossfiller

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.

P127327

New!
Patented metallic crossfiller for superior EMC and reduced installation time

Drain wire

Outer sheath in LSZH or LSFRZH

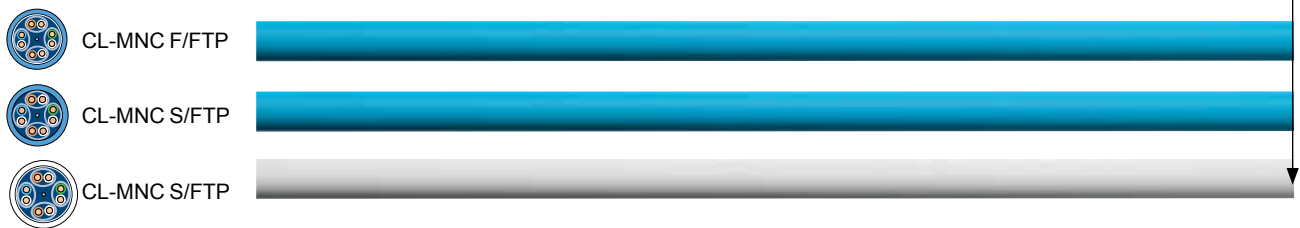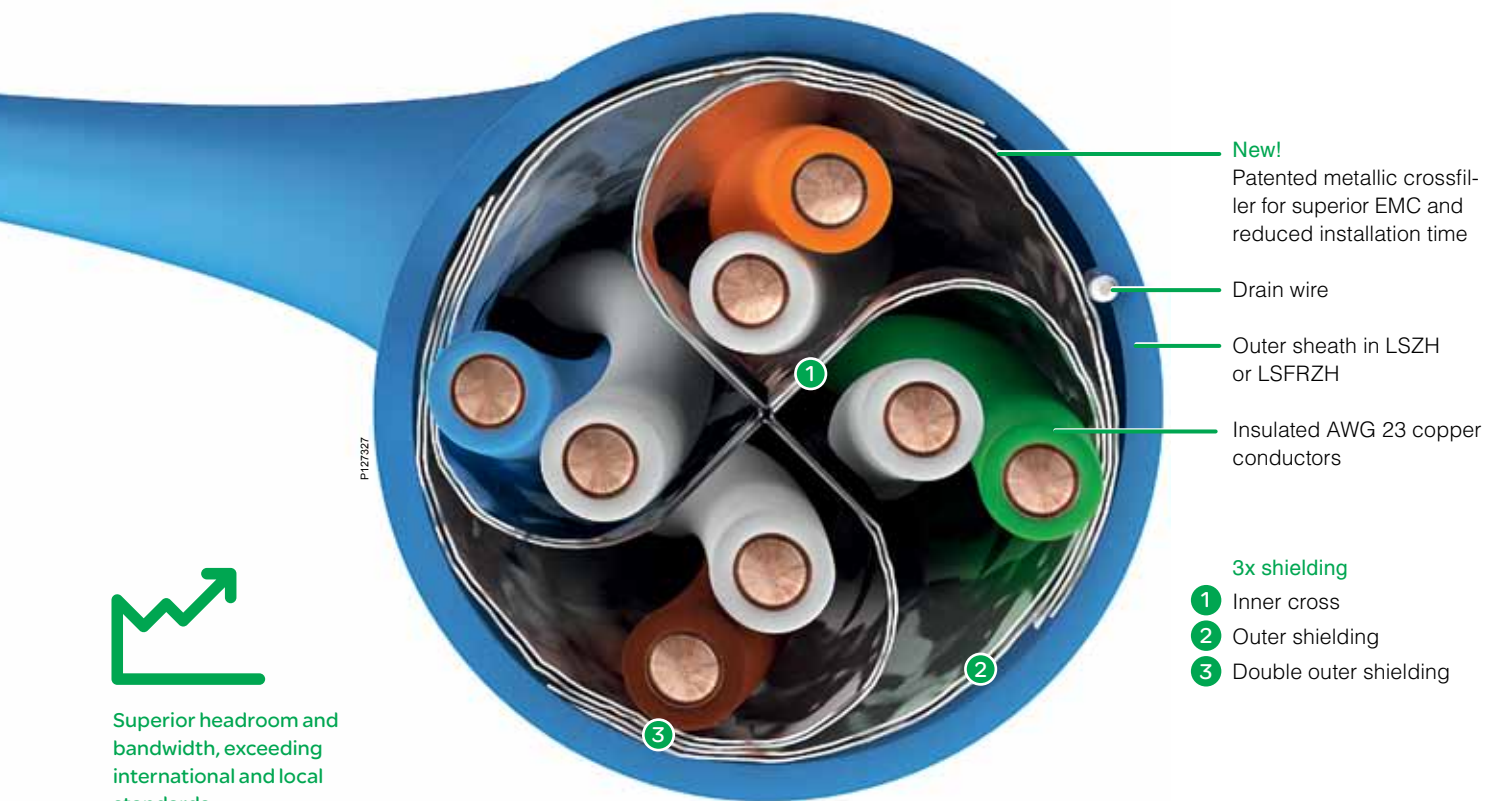Insulated AWG 23 copper conductors

3x shielding
1 Inner cross
2 Outer shielding
3 Double outer shielding

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.

Transfer Impedance
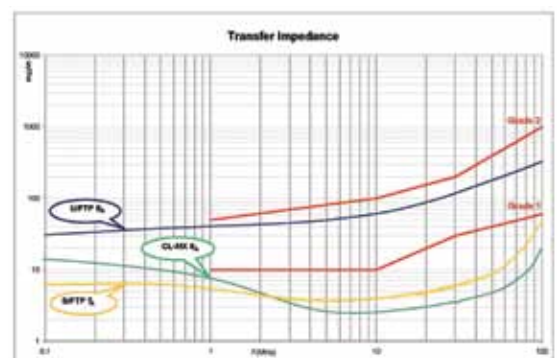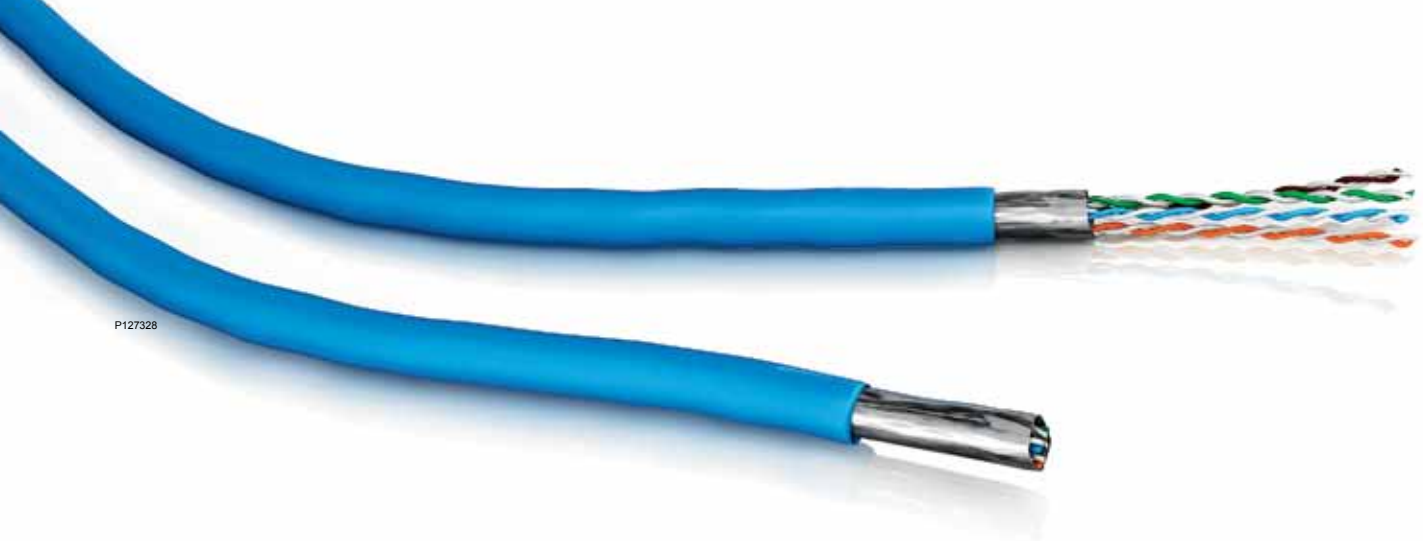
P127328

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.

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

P128280

Less cutting with Actassi CL-MX

3x

Three times faster installation 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.
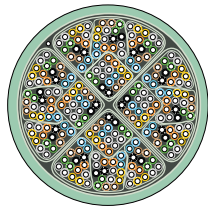
Separate all pairs and the drain wire.

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.

CL-C Copper LAN cables
Range

CL-C Cat 3 F/UTP Multi pair cable
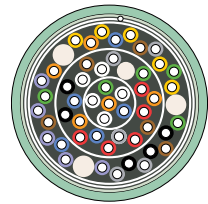
Specifications
- 100 ohms, 16 MHz, AWG24, 128 twisted pairs with overall screen
- Compliant to IEC61156-1 standard

Use
- Phone backbone

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
128 pair cable	759 kg/km	< 23.5 mm	LSZH	Drum/meter	VDIC235212

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, EN50173 and IEC61156-4 standard

Use
- Phone backbone

Type	Weight	Diameter	Sheath	Cond/Length	Ref. No
25 pair cable	210 kg/km	13.6 mm	LSZH	Drum/meter	VDIC235225

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.

CL-C Category 5e Copper LAN cables

CL-C Cat 5e U/UTP

Specifications
- 100 Ohms, 155 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 13W or 25W

Performances
- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2 and TIA/EIA-568-C.2 standards
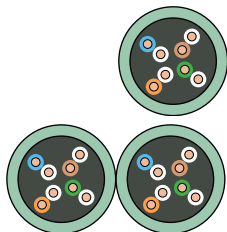
NEXT	Nominal	Standard IEC
100 MHz	35.3 dB	≥ 35.3 dB

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	37 kg/km	5.2 mm	LSZH	305 m	VDIC115118
			LSZH	500 m	VDIC115218
			PVC	305 m	VDIC115118P
			PVC	500 m	VDIC115218P
2x4 pair cable	74 kg/km	5.2x11.4 mm	LSZH	500 m	VDIC115228

CL-C Cat 5e F/UTP

Specifications
- 100 Ohms, 155 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 13W or 25W

Performances
- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2 standards

NEXT	Nominal	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	38 kg/km	6.1 mm	LSZH	305 m	VDIC135118
			LSZH	500 m	VDIC135218
			PVC	305 m	VDIC135118P
			PVC	500 m	VDIC135218P
2x4 pair cable	76 kg/km	6.1x13.2 mm	LSZH	500 m	VDIC135228

CL-C Copper LAN cables
Range

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 13W or 25W

Performances
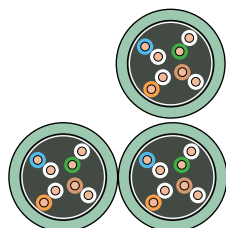- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2, EN50288-6-1 and TIA/EIA-568-C.2 standards

NEXT	Nominal	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	48 kg/km	6.1 mm	LSZH	305 m	VDIC116118
			PVC	305 m	VDIC116118P
			PVC	500 m	VDIC116218P
2x4 pair cable	96 kg/km	6.1x13.2 mm	LSZH	500 m	VDIC116228

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 13W or 25W
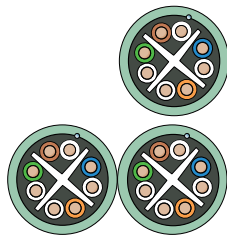
Performances
- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2 and EN50288-5-1 standards

NEXT	Nominal	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	56 kg/km	7.5 mm	LSZH	500 m	VDIC136218
2x4 pair cable	113 kg/km	7x15 mm	LSZH	500 m	VDIC136228

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 13W or 25W

Performances
- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2 and EN50288-5-1 standards

NEXT	Nominal	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	56 kg/km	7.9 mm	LSZH	500 m	VDIC176218

Schneider Electric

CL-MNC Copper LAN cables
Range

CL-MNC Category 6 Copper LAN cables

CL-MNC Cat 6 U/UTP

Specifications
- 100 ohms, 300 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 13W or 25W
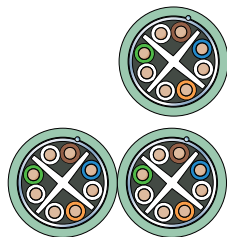
Performances
- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2, EN50288-6-1 and TIA/EIA-568-C.2 standards

NEXT	Nominal	Standard IEC
300 MHz	44 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	6.3 mm	LSZH	500 m	VDIC616218

CL-MNC Cat 6 U/FTP

Specifications
- 100 ohms, 300 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 13W or 25W
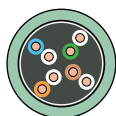
Performances
- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2 and EN50288-5-1 standards

NEXT	Nominal	Standard IEC
300 MHz	44 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	56 kg/km	7.5 mm	LSZH	500 m	VDIC626218
				1000 m	VDIC626318
2x4 pair cable	113 kg/km	7x15 mm	LSZH	500 m	VDIC626228

CL-MNC Category 6A Copper LAN cables

CL-MNC Cat6A U/UTP

Specifications
- 100 ohms, 550 MHz, AWG23, 4 pairs without screen. Crossfiller to organise the pairs. Specific notched sheath.
- NVP = 65%
- Compatible with PoE (Power over Ethernet) and PoEP (Power over Ethernet Plus) which allow to supply equipments (IP phone, camera, WIFI hotspot…) until 13W or 25W

Performances
- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2 and Draft EN50288-10-1 standard

NEXT	Nominal	Standard IEC
550 MHz	37.2 dB	>34,8 db

Use
- Network cabling systems for category 6A 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	79 kg/km	8.5 mm	LSZH	500 m	VDIC61X218

Schneider Electric

CL-MNC Copper LAN cables
Range

CL-MNC Cat 6$_A$ F/UTP

Specifications
- 100 ohms, 550 MHz, AWG23, 4 pairs and 2x4 pairs with overall screen. Specific cross filler to organize the pairs
- 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 13W or 25W
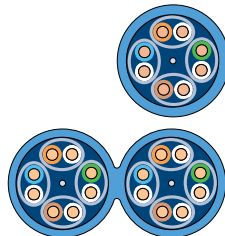
Performances
- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2 and Draft EN50288-10-1 standards

NEXT	Nominal	Standard IEC
550 MHz	40 dB	> 34.8 dB

Use
- Network cabling systems for category 6$_A$ 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	53 kg/km	7.8 mm	LSZH	500 m	VDIC63X218
				1000 m	VDIC63X318
2x4 pair cable	106 kg/km	7.8x16.6 mm	LSZH	500 m	VDIC63X228

CL-MNC Cat 6$_A$ U/FTP

Specifications
- 100 ohms, 550 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 13W or 25W

Performances
- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2 and Draft EN5028810-1 standards

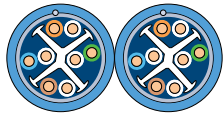| NEXT	Nominal	Standard IEC
550 MHz	67dB	> 34.8 dB

Use
- Network cabling systems for category 6$_A$ 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	8.3 mm	LSZH	500 m	VDIC62X218
				1000 m	VDIC62X318
2x4 pair cable	114 kg/km	8.3x17 mm	LSZH	500 m	VDIC62X228

CL-MNC Cat 6$_A$ 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 13W or 25W

Performances
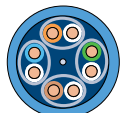- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2 and Draft EN5028810-1 standards

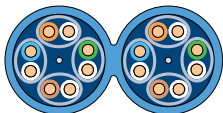| NEXT	Nominal	Standard IEC
550 MHz	67dB	> 34.8 dB

Use
- Network cabling systems for category 6$_A$ 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	8.3 mm	LSZH	500 m	VDIC64X218
				1000 m	VDIC64X318
2x4 pair cable	114 kg/km	7.9x16.8 mm	LSZH	500 m	VDIC64X228

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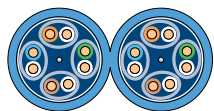
CL-MNC Category 7A Copper LAN cables

CL-MNC Cat 7A 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 13W or 25W

Performances
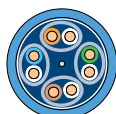- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2 and Draft EN5028810-1 standards

NEXT	Nominal	Standard IEC
1000 MHz	60.4 dB	> 60.4 dB

Use
- Network cabling systems for category 7A 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	7.9 mm	LSZH	500 m	VDIC648218
				1000 m	VDIC648318
2x4 pair cable	106 kg/km	7.9x16.8 mm	LSZH	500 m	VDIC648228

CL-MNC Cat 7A 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 13W or 25W

Performances
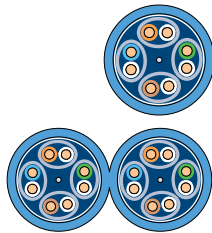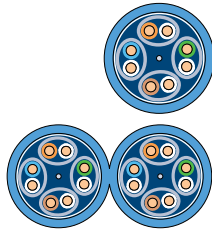- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2 and Draft EN5028810-1 standards

NEXT	Nominal	Standard IEC
1000 MHz	60.4 dB	> 60.4 dB

Use
- Network cabling systems for category 7A 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	7.9 mm	LSZH	500 m	VDIC658218
				1000 m	VDIC658318
2x4 pair cable	114 kg/km	8.3x17 mm	LSZH	500 m	VDIC658228

CL-MNC Cat 7A S/FTP

Specifications
- 100 ohms, 1000 MHz, AWG23, 4 pairs and 2x4 pairs with individual screen and metallicbraid, 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 13W or 25W
- Fire retardant properties according to IEC60332-3C, NFC32070 2.1, NFC32070 2.2

Performances
- Compliant to EN50173-1, ISO/IEC 11801:2011 Ed2.2, IEC61156-5 Ed2 and Draft EN50288-10-1 standards

NEXT	Nominal	Standard IEC
1000 MHz	60.4 dB	> 60.4 dB

Use
- Network cabling systems for category 7A 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	7.9 mm	LSFRZH	1000 m	VDIC658318F01
2x4 pair cable	114 kg/km	7.9x16.8 mm	LSFRZH	500 m	VDIC658228F01
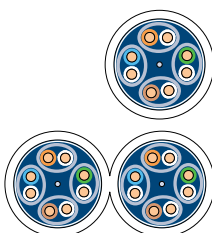
CL-MX Category 6A Copper LAN cables

CL-MNC Cat 6A F/FTP

Specifications
- 100 ohms, 550 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 IEC60332-3C, NFC32070 2.1, NFC32070 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 13W or 25W

Standards
- Compliant to EN50173-1, ISO/IEC11801:2011 Ed2.2, IEC61156-5 Ed2 and Draft EN50288-10-1 standards

| NEXT	Nominal	Standard IEC
550 MHz	67 dB	> 34.8 dB

Use
- Network cabling systems for category 6A 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	55 kg/km	7.8 mm	LSZH	500 m	VDIC68X218
4 pair cable	55 kg/km	7.8 mm	LSZH	1000 m	VDIC68X318
2x4 pair cable	110 kg/km	7.8 mm x 16.8	LSZH	500 m	VDIC68X228
4 pair cable	65 kg/km	8.2 mm	LSFRZH	500 m	VDIC68X218F01
4 pair cable	65 kg/km	8.2 mm	LSFRZH	1000 m	VDIC68X318F01
2x4 pair cable	130 kg/km	8.2 mm x 17.4	LSFRZH	500 m	VDIC68X228F01

P126513

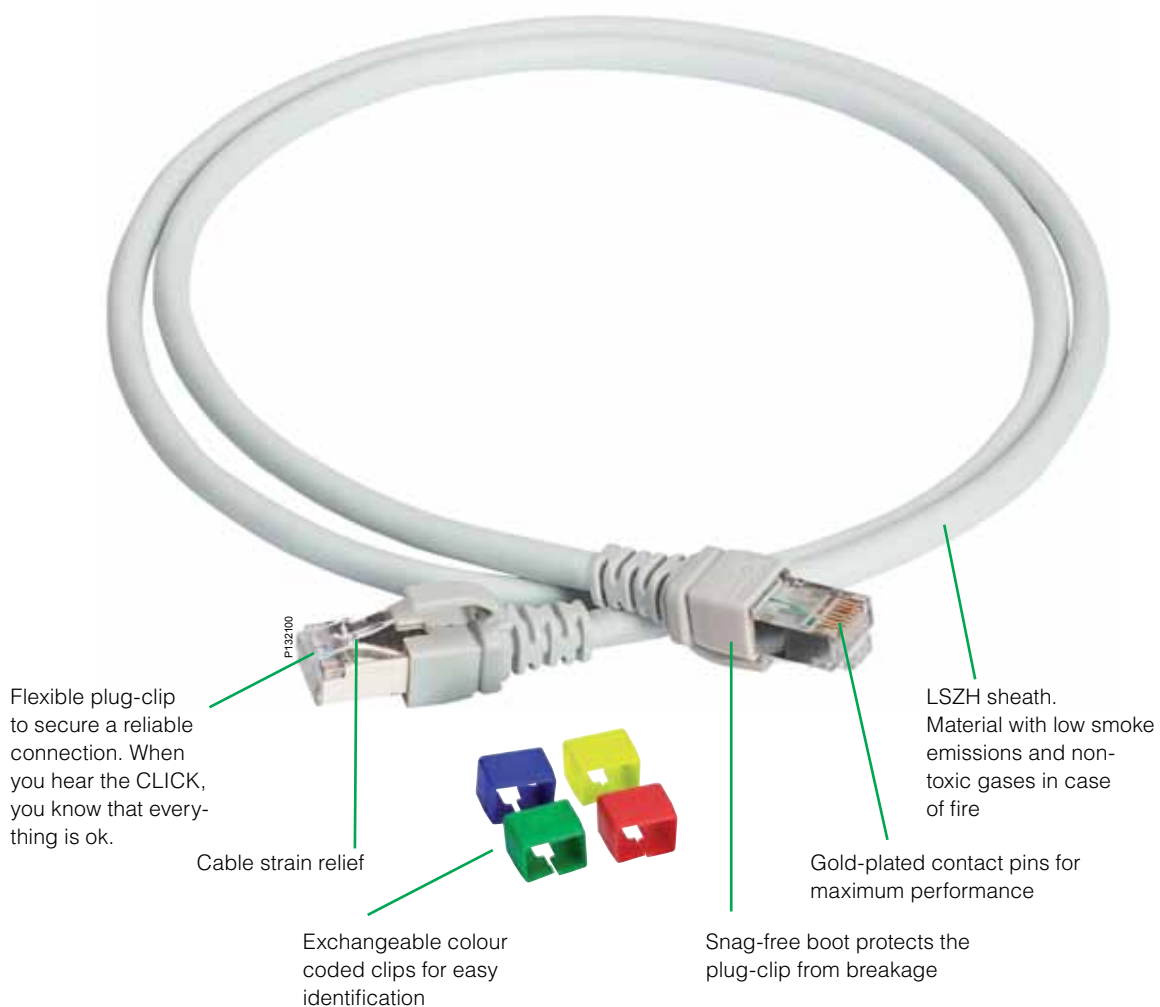P139186

Actassi copper patch cords

Actassi copper patch cords ensure a reliable transmission in data networks. They are available in several lenghts, from Cat 5e to Cat 6A performances, covering both shielded and unshielded needs.

All patch cords are compliant with ISO/IEC 11801 Ed2.2. They are all Delta certified and also compliant to EN50173ed.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.

Flexible plug-clip to secure a reliable connection. When you hear the CLICK, you know that every-thing is ok.

Cable strain relief

Exchangeable colour coded clips for easy identification

Snag-free boot protects the plug-clip from breakage

Gold-plated contact pins for maximum performance

LSZH sheath. Material with low smoke emissions and non-toxic gases in case of fire

CL-MNC Copper patch cords
Range

CL-MNC Patchcords

Application
Ensures and gives transmission of data networks

Performances
■ High performance : From Cat 5e up to Cat 6$_A$ for copper systems, standard & system warranty
■ Compliant with : ISO / IEC 11801 Ed 2.2
■ Full latest standards Delta certified - EN50173ed.3. , EIA/TIA 568 - C.2, IEC 61935-2

Specifications
■ Low Smoke Zero Halogen (LSZH), 4 pairs, 100 ohms, pre-wired and tested in factory, with light grey colour design (RAL7035)
■ 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

Patch cord U/UTP category 5e

Specifications
■ 155 MHz, outer sheath LSZH.

Type	Colour of sheath	Length (m)	Ref. No
4 pair	Grey	0.5	VDIP181546005
		1.0	VDIP181546010
		2.0	VDIP181546020
		3.0	VDIP181546030
		5.0	VDIP181546050
		10.0	VDIP181546100

Patch cord F/UTP category 5e

Specifications
■ 155 MHz, outer sheath LSZH.

Type	Colour of sheath	Length (m)	Ref. No
4 pair	Grey	0.5	VDIP184546005
		1.0	VDIP184546010
		2.0	VDIP184546020
		3.0	VDIP184546030
		5.0	VDIP184546050
		10.0	VDIP184546100

Patch cord U/UTP category 6

Specifications
■ 250 MHz, outer sheath LSZH.

Type	Colour of sheath	Length (m)	Ref. No
4 pair	Grey	0.5	VDIP181646005
		1.0	VDIP181646010
		2.0	VDIP181646020
		3.0	VDIP181646030
		5.0	VDIP181646050
		10.0	VDIP181646100

Patch cord F/UTP category 6

Specifications
■ 250 MHz, outer sheath LSZH.

Type	Colour of sheath	Length (m)	Ref. No
4 pair	Grey	0.5	VDIP184646005
		1.0	VDIP184646010
		2.0	VDIP184646020
		3.0	VDIP184646030
		5.0	VDIP184646050
		10.0	VDIP184646100

Patch cord U/UTP category 6$_A$

Specifications
■ 550 MHz, outer sheath LSZH.

Type	Colour of sheath	Length (m)	Ref. No
4 pair	Grey	1.0	VDIP181X46010
		2.0	VDIP181X46020
		3.0	VDIP181X46030
		5.0	VDIP181X46050

Patch cord S/FTP category 6$_A$

Specifications
■ 550 MHz, outer sheath LSZH.

Type	Colour of sheath	Length (m)	Ref. No
4 pair	Grey	1.0	VDIP185X46010
		2.0	VDIP185X46020
		3.0	VDIP185X46030
		5.0	VDIP185X46050
		10.0	VDIP185X46100

Coloured clips

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

P131531
P131531
P131532

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.
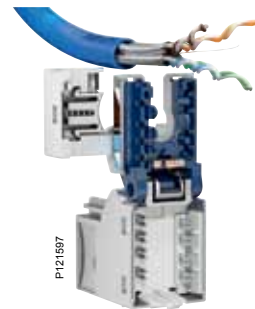

P121216

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

P110421

P110429

P121597

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 6A, ensuring optimized network performance.

P110418

P110417

P110807

P110416

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.

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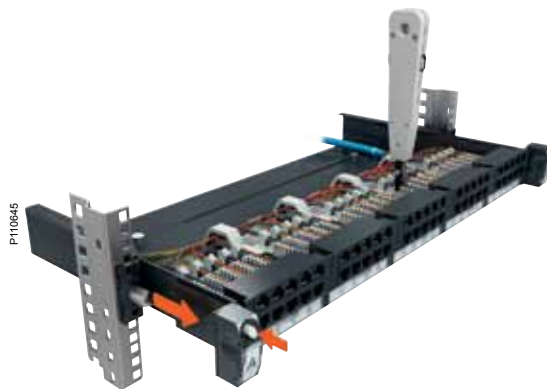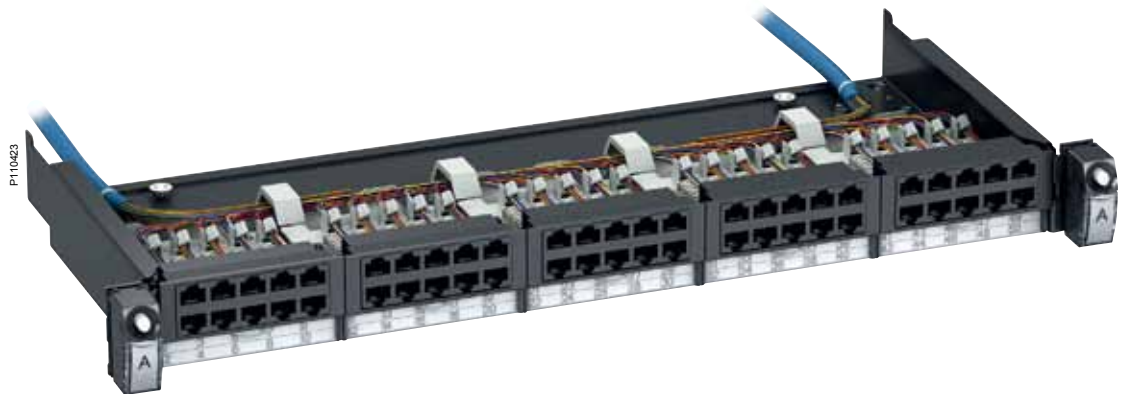
Exceptional robustness
The sliding function does not deteriorate the stability. As a proof you can use the punch down tool for LSA contacts with the panel in a sliding-out position. You don´t need to remove it from the rack first!

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 patch-cords guiding panel is equipped with four openable rings, managing up to 48 cords.

P110142

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

P133073
P110145

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

P110148
P133071

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.

P110464

P110149
P133072

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.

P110464

P110143

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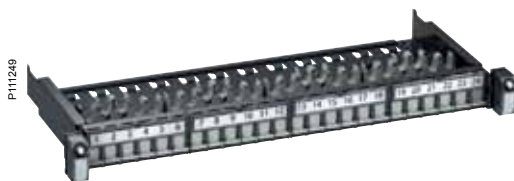

P110615

19-C Copper panels
Range

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	Reference
Empty panel 1U UTP 24 ports	VDIG112241U
Empty panel 1U FTP/STP 24 ports	VDIG112 241F

Basic version: Without label holders and cable organizer

Description	Reference
Empty panel 1U UTP 24 ports	VDIG012241U
Empty panel 1U FTP/STP 24 ports	VDIG012241F

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

	Reference
Category 5e	
Equipped panel 1U with 24 RJ45 Cat 5e UTP	VDIG118241U50
Equipped panel 1U with 24 RJ45 Cat 5e FTP	VDIG118241F50
Category 6	
Equipped panel 1U with 24 RJ45 Cat 6 UTP	VDIG118241U60
Equipped panel 1U with 24 RJ4 Cat 6 STP	VDIG118241B60
Category 6A	
Equipped panel 1U with 24 RJ45 Cat 6A STP	VDIG118241BX0

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.

Description	Reference
Telecom panel 50 ports	VDIG141501

Empty fixed panel for S-110 connectors
1U 24 ports

- 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

Description	Reference
Empty panel 1U for S-110 connectors Keystone UTP 24 ports	VDIG113241U
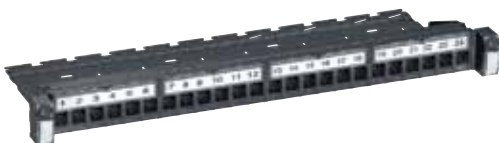
Equipped fixed panel with S-110 connectors
1U 24 ports

- 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

Description	Reference
Category 5e	
Equipped panel 1U with 24 RJ45 S-110 connectors Keystone Cat 5e UTP	VDIG113241U50
Category 6	
Equipped panel 1U with 24 RJ45 S-110 connectors Keystone Cat 6 UTP	VDIG113241U60

19-C Copper panels, High-density
Range

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	Reference
Empty flat panel for connectors in angle 1U FTP/STP 24 ports	VDIG328241B

Equipped flat panel with S-One connectors in angle, Cat 6$_A$ 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	Reference
Equipped flat panel with connectors in angle 1U with 24 RJ45 Cat 6$_A$ STP	VDIG328241BX0

P133074

P133070

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	Reference
Patch cord guiding panel 1U with 4 openable rings	VDIG188141
Patch cord guiding panel 2U with 4 openable rings	VDIG188142

Brush guiding panel

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

Description	Reference
Patch cord brush guiding panel 1U	VDIG188201

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 QuickFix system panel or guiding panel.
- Large capacity up to 48 cords.

Description	Reference
Horizontal ring for vertical management of patch cords, 1U, for rack 800x800 mm	VDIM189112
Vertical ring for vertical management of patch cords, 2U, for rack 800x800 mm	VDIM189412
Ring for vertical management of patch cords, using self-grip strip, for rack 600x600 mm	VDIM189111

Cable organizer

Description	Reference
Cable organizer for fixation of up to 24 cables inside the panel	VDIM11U001

Label holders for data panels

Description	Reference
Transparent label holders pack of 4 pcs	VDIM11U002

RJ45 Shutters

Description	Reference
Shutters, blue, pack of 24 pcs	VDIM11U241
Shutters, yellow, pack of 24 pcs	VDIM11U242
Shutters, green, pack of 24 pcs	VDIM11U243
Shutters, red, pack of 24 pcs	VDIM11U244
Shutters, grey, pack of 24 pcs	VDIM11U246

Rack earthing kit

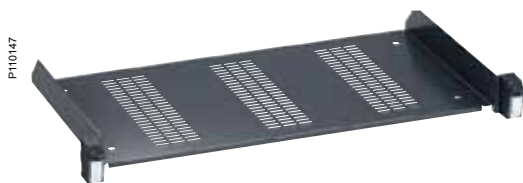| Description	Reference
Rack earthing kit, pack of 10 pcs	VDIM48E011

Metal blank panel

19-C Cable management and Accessories
Range

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

Description	Reference
Blank panel 1U	VDIG188021

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

Description	Reference
Shelf 1U, depth 250 mm, for max weight 15 kgs	VDIG188011

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

Description	Reference
Punch down tool LSA Contacts	VDIB299001

Others

Description	Reference
Ericsson rack panel mounting accessory	VDIM18W001

19-C Power panels
Range

19" power panel 16A/250V
■ Profile : 1U height ALU Anodize.
■ Sockets : 2-pole with earthing contact 16A/3680W, AC250V, 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	Reference
Power panel 9 x French outlets according to NFC 61314.	VDIG161911
Power panel 9 x Schuko outlets according to DIN 49 440	VDIG161931

With protected light switch

Description	Reference
Power panel 8 x French outlets according to NFC 61314	VDIG162711
Power panel 8 x Schuko outlets according to DIN 49 440	VDIG162731

Actassi Fibre solution

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

Schneider Electric

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.

Fibre optic technology offers several advantages

- Very high data rates
- Flexible, reliable net 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
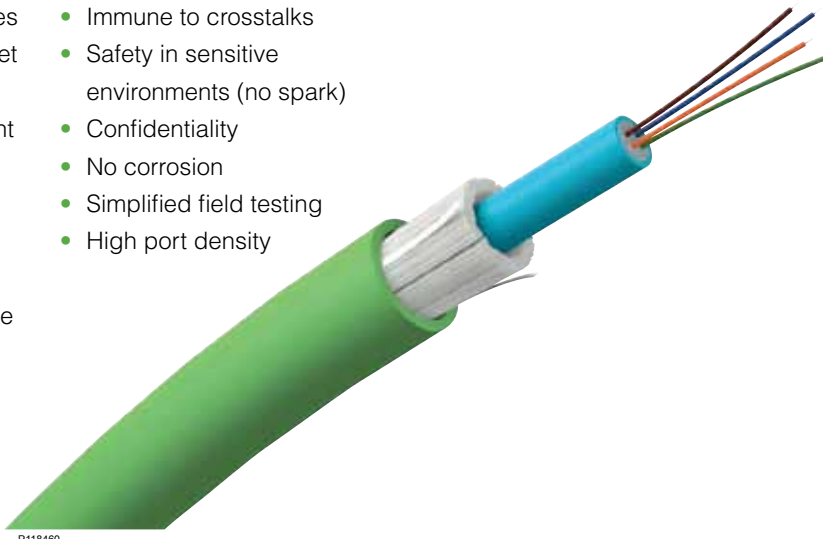
Fibre optic performances

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 (850nm and 1300nm).
- Low attenuation. Optimized to decrease the signal attenuation at both operating wavelengths (850nm and 1300nm).
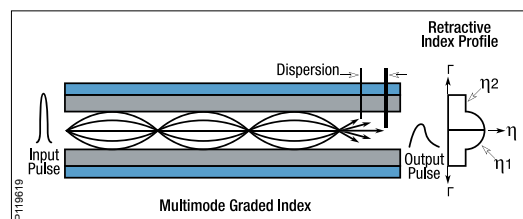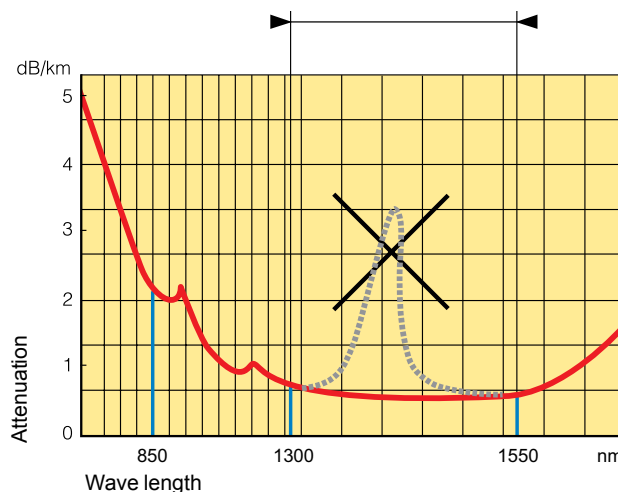
Single-mode (OS1/OS2)
- Single-mode optic fibres performances: OS1/OS2 9/125.Meeting the markets needs for all single-mode applications.
- Low Water Peak and PMD. Optimized to decrease the signal attenuation between 1260 to 1625nm allowing for multiplexing (modern optical transmission technologies like DWDM).
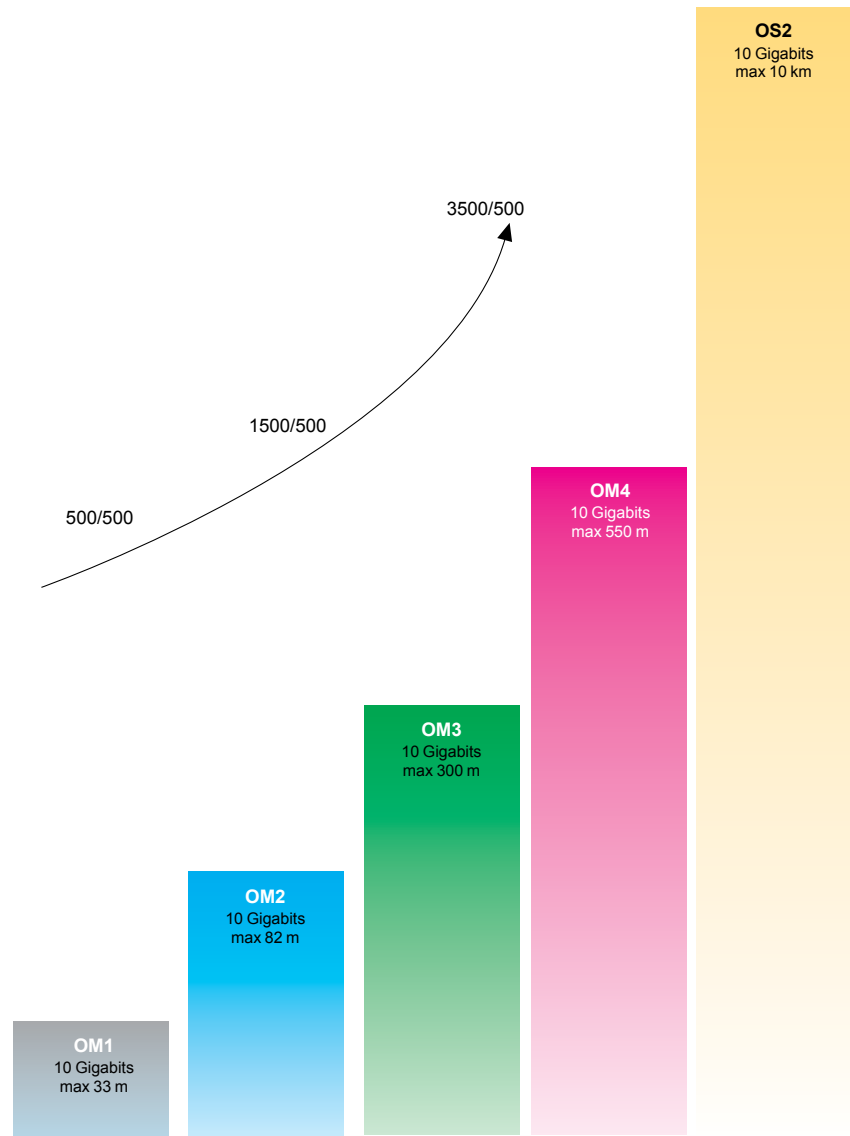

Multimode Graded Index

Single-Mode Step Index
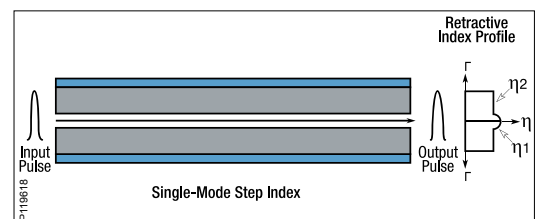
Full Spectrum Fibre

Supports all kinds of network applications

3500/500

1500/500

500/500

OS2
10 Gigabits
max 10 km

OM4
10 Gigabits
max 550 m

OM3
10 Gigabits
max 300 m

OM2
10 Gigabits
max 82 m

OM1
10 Gigabits
max 33 m

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 *Draft IEEE 802.3ba		-	-	100 m	125 m	10 km / 40 km
40 Gbit/s *Draft 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

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

FL-C Fibre optic connectors
Range

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

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

P67232

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FL-C Fibre optic toolkits
Range
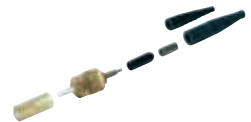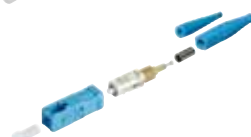
Unicam toolkits and accessories	
Type	**Ref. No**
Cleaver	VDIB699100
Toolkit Unicam without CTS	VDIB699001U
Tool Unicam	VDIB699003U
Toolkit CTS without VFL	VDIB699004U
Visual Fault Locator VFL	VDIB699005U
Toolkit Unicam High Performance	VDIB699006U

P133757

P134696

Schneider Electric

FL-C Fibre optic connectors and FL-C toolkits
Range

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
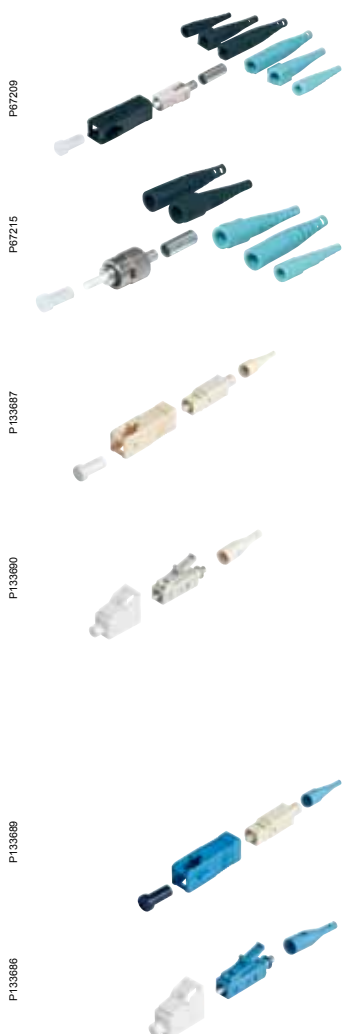
Cold cured connectors
 - Connectors delivered with boots for 900 µm, 2- and 3mm jacketed cables, crimp rings for 2- and 3mm jacketed cables (and 1,6mm for LC version)
 - Color coding for easy identification of performances (both black and aqua boots for Multimode, blue boot for singlemode)
 - Zirconia 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

Cold cured toolkits and accessoriess	
Cleaver	VDIB699100
Toolkit Cold cured	VDIB699011C
Consumables kit for 500 connectors	VDIB699012C

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P67215
P133687
P133690
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P133686

FL-C Fibre optic pigtails
Range

FL-C Fibre optic pigtails

Specifications
■ Optic pigtails suitable for splices termination with fibre optic cables inside optic patchpanels and/or at workstation:
- Factory terminated
- Zirconia ceramic material ferrules
- 900 μm fibre buffered
- Low Smoke Zero Halogen buffer sheath
- 70 cm length

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

Pigtail multimode	
Type	**Ref. No**
Pigtail OM1 62,5/125 SC	VDIP641201
Pigtail OM1 62,5/125 ST	VDIP641101
Pigtail OM1 62,5/125 LC	VDIP641401
Pigtail OM2 50/125 SC	VDIP642201
Pigtail OM2 50/125 ST	VDIP642101
Pigtail OM2 50/125 LC	VDIP642401
Pigtail OM3 50/125 SC	VDIP643201
Pigtail OM3 50/125 LC	VDIP643401
Pigtail OM4 50/125 LC	VDIP644401

Pigtail singlemode	
Type	**Ref. No**
Pigtail OS2 9/125 SC	VDIP645201
Pigtail OS2 9/125 LC	VDIP645401

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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.

VDIM15C201
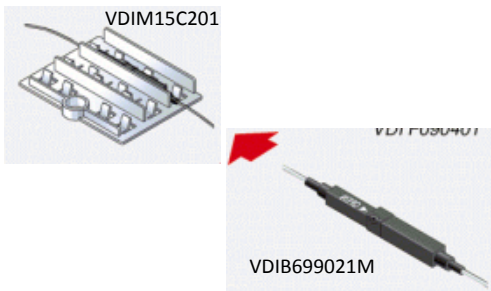
VDIB699021M

| Camsplice	
Type	**Ref. No**
Camsplice connector	VDIB699021M
Toolkit Camsplice	VDIB699022M
Camsplice Tool	VDIB699023M
Fixation spreader for 5 Camsplice connectors	VDIM15C201

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

P118457

Tight buffered

P118466

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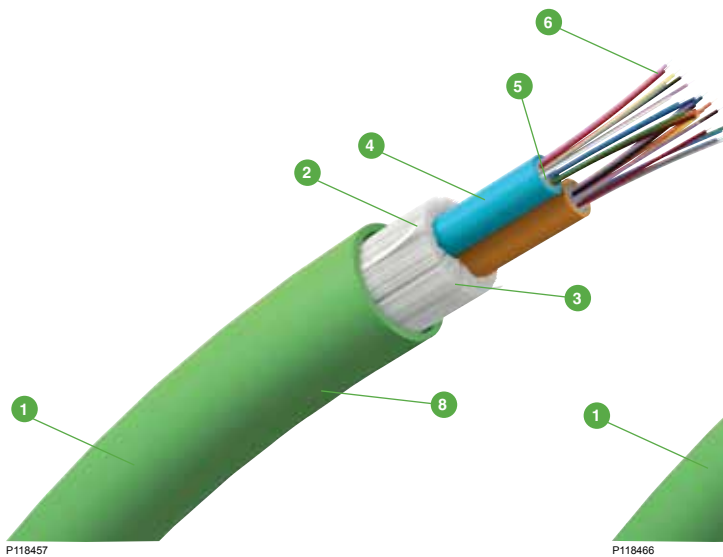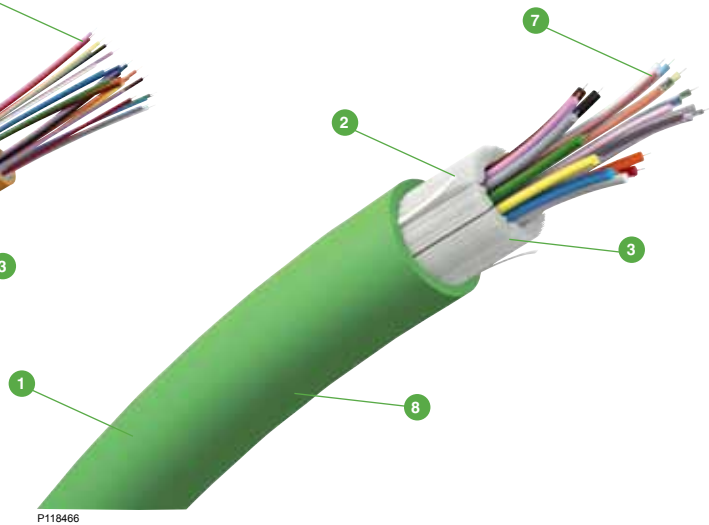
① Robust sheath

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 ingression while guarantee-ing cable perfomance.

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 longitudinall water ingression while guarantee-ing cable perfomance.

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 (conve-nient small sized drums or cut to length).

Colour code

Fibre n°1 to n°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 n°13 to n°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.

FL-C Fibre optic cables
Range Loose tube

P118455

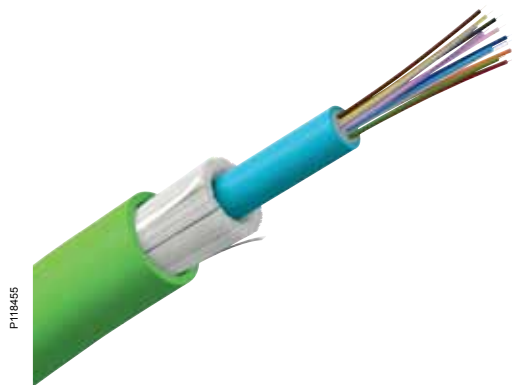## FL-C Loose tube Fibre optic cables

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 unitube 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, NFC 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
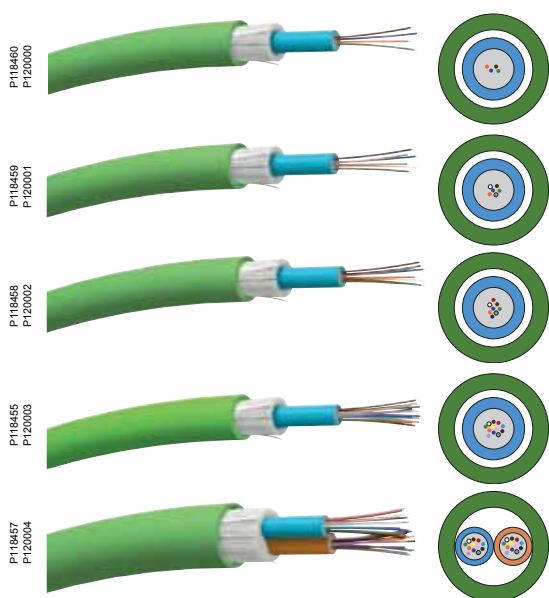■ Suitable for splicing termination: installation with pigtails by fusion or mechanical splices.

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

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P118468 P120002

P118455 P120003

P118457 P120004

Schneider Electric

FL-C Fibre optic cables
Range Loose tube

OM3 50/125 µm

Type	Length	Ref. No
Optic cable Indoor/outdoor OM3 50/125 µm multimode fibres, green overall jacket.		
OM3 50/125, Loose tube, 6 fibres	525 m	VDIC42306L
	2100 m	VDIC52306L
	Cut to length	VDIC52306LM
OM3 50/125, Loose tube, 12 fibres	525 m	VDIC42312L
	2100 m	VDIC52312L
	Cut to length	VDIC52312LM
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.		
OM4 50/125, Loose tube, 6 fibres	2100 m	VDIC52406L
	Cut to length	VDIC52406LM
OM4 50/125, Loose tube, 12 fibres	2100 m	VDIC52412L
	Cut to length	VDIC52412LM
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.		
OS1/OS2 9/125, Loose tube, 4 fibres	2100 m	VDIC52504L
	Cut to length	VDIC52504LM
OS1/OS2 9/125, Loose tube, 6 fibres	525 m	VDIC42506L
	2100 m	VDIC52506L
	Cut to length	VDIC52506LM
OS1/OS2 9/125, Loose tube, 8 fibres	2100 m	VDIC52508L
	Cut to length	VDIC52508LM
OS1/0S2 9/125, Loose tube, 12 fibres	525 m	VDIC42512L
	2100 m	VDIC52512L
	Cut to length	VDIC52512LM
OS1/0S2 9/125, Loose tube, 24 fibres	525 m	VDIC42524L
	2100 m	VDIC52524L
	Cut to length	VDIC52524LM

FL-C Fibre optic cables
Range Tight buffered

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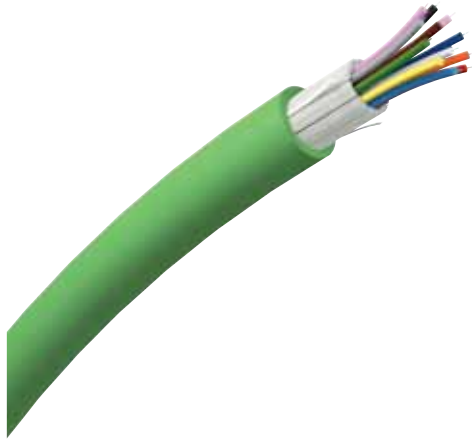
FL-C Tight buffered Fibre optic cables

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, NFC 32 070 2.1 (Category C2). Fire retardant according to IEC 60 332-3 C, EN 50 266, NFC 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).

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

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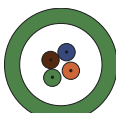
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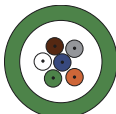
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FL-C Fibre optic cables
Range Tight buffered

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 2100 m Cut to length	VDIC42302T VDIC52302T VDIC52302TM
OM3 50/125, Tight buffered, 6 fibres	525 m 2100 m Cut to length	VDIC42306T VDIC52306T VDIC52306TM
OM3 50/125, Tight buffered, 12 fibres	525 m 2100 m Cut to length	VDIC42312T VDIC52312T VDIC52312TM
OM3 50/125, Tight buffered, 24 fibres	525 m 2100 m Cut to length	VDIC42324T VDIC52324T 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 Cut to length	VDIC52406T VDIC52406TM
OM4 50/125, Tight buffered, 12 fibres	2100 m Cut to length	VDIC52412T VDIC52412TM
OM4 50/125, Tight buffered, 24 fibres	2100 m Cut to length	VDIC52424T VDIC52424TM

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

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P118463 P120006
P118465 P120008
P118466 P120009

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 (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.

LSFRZH sheath.
Fire retardant material with low smoke emissions and non-toxic gases in case of fire

Colour coding of sheath

Colour coding of connector body

Duplex bracelet

FL-C Fibre optic patch cords
Range
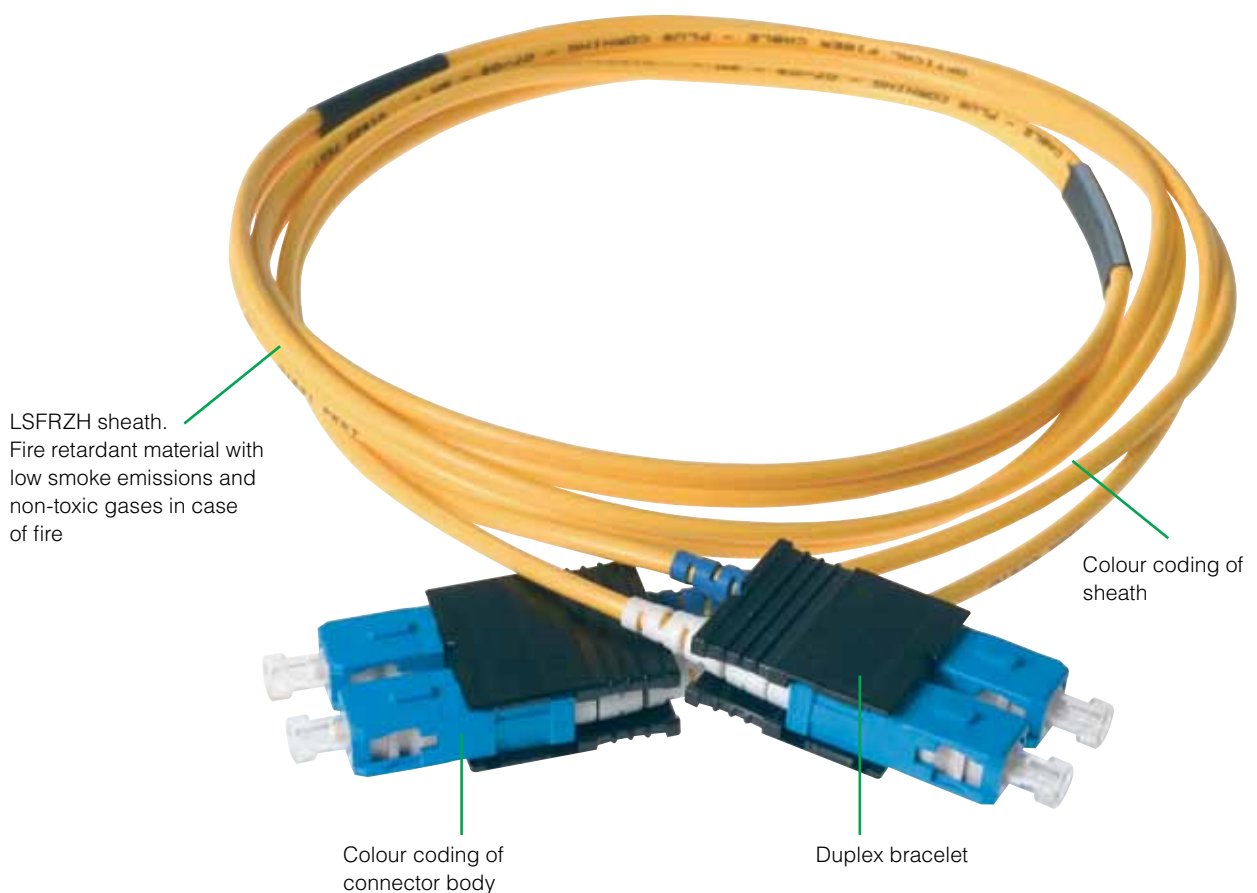
Specifications

■ Optic patchcords suitable for patching within technical rooms and at workstation between passive and active equipments:
- Factory terminated
- 100% optically tested
- Delivered with insertion loss report tests
- Zirconia ceramic material ferrules
- Available in OM2, OM3, OM4 performances
- Available with ST, SC and LC types of connectors
- 2mm coloured sheath for a quick and easy identification of performances
- Low Smoke Zero Halogen (LSZH) sheath

■ Flame retardant according to IEC 60 332-1, EN 50 265 2.1, NFC 32 070 2.1 (Category C2). Fire retardant according to IEC 60 332-3 C, EN 50 266, NFC 32 070 2.2 (Category C1)

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 TIA/EIA 604-2 and IEC 61754-2
■ 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

Fibre Optic Patch cords OM2 50/125

Type	Length	Ref. No
Optic Patch cord SCd/SCd LSZH	1 m	VDIP542331
	2 m	VDIP542332
	3 m	VDIP542333
	5 m	VDIP542335
Optic Patch cord LCd/SCd LSZH	1 m	VDIP542351
	2 m	VDIP542352
	3 m	VDIP542353
	5 m	VDIP542355
Optic Patch cord LCd/LCd LSZH	1 m	VDIP542551
	2 m	VDIP542552
	3 m	VDIP542553
	5 m	VDIP542555
Optic Patch cord ST/ST LSZH	1 m	VDIP542111
	2 m	VDIP542112
	3 m	VDIP542113
	5 m	VDIP542115

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Fibre LAN cables
Range

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Fibre Optic Patch cords OM3 50/125

Type	Length	Ref. No
Optic Patch cord SCd/SCd LSZH	1 m	VDIP543331
	2 m	VDIP543332
	3 m	VDIP543333
	5 m	VDIP543335
Optic Patch cord LCd/SCd LSZH	1 m	VDIP543351
	2 m	VDIP543352
	3 m	VDIP543353
	5 m	VDIP543355
Optic Patch cord LCd/LCd LSZH	1 m	VDIP543551
	2 m	VDIP543552
	3 m	VDIP543553
	5 m	VDIP543555

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Fibre Optic Patch cords OM4 50/125

Type	Length	Ref. No
Optic Patch cord LCd/LCd LSZH	1 m	VDIP544551
	2 m	VDIP544552
	3 m	VDIP544553
	5 m	VDIP544555

Fibre Optic Patch cords OS1/OS2 9/125

Type	Length	Ref. No
Optic Patch cord SCd/SCd LSZH	1 m	VDIP545331
	2 m	VDIP545332
	3 m	VDIP545333
	5 m	VDIP545335
Optic Patch cord LCd/SCd LSZH	1 m	VDIP545351
	2 m	VDIP545352
	3 m	VDIP545353
	5 m	VDIP545355
Optic Patch cord LCd/LCd LSZH	1 m	VDIP545551
	2 m	VDIP545552
	3 m	VDIP545553
	5 m	VDIP545555

FL-C Fibre optic patch cords
Range

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Fibre Optic Patch cords OM4 50/125		
Type	**Length**	**Ref. No**
Optic Patch cord LCd/LCd LSZH	1 m	VDIP544551
	2 m	VDIP544552
	3 m	VDIP544553
	5 m	VDIP544555

Fibre Optic Patch cords OS1/OS2 9/125		
Type	**Length**	**Ref. No**
Optic Patch cord SCd/SCd LSZH	1 m	VDIP545331
	2 m	VDIP545332
	3 m	VDIP545333
	5 m	VDIP545335
Optic Patch cord LCd/SCd LSZH	1 m	VDIP545351
	2 m	VDIP545352
	3 m	VDIP545353
	5 m	VDIP545355
Optic Patch cord LCd/LCd LSZH	1 m	VDIP545551
	2 m	VDIP545552
	3 m	VDIP545553
	5 m	VDIP545555

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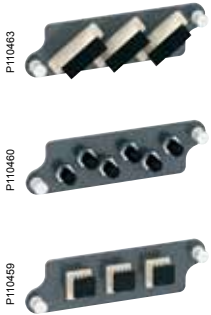
To match your fibre optic panel we have developed a range of pre-equipped coverplates. It's a time-saving, safer and smarter way to work with your installations.

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 21mm 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 slided or completely removed for a more convenient working position.
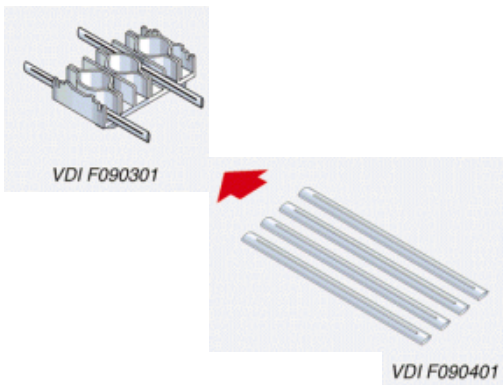
19-C Fibre optic panels
Range

P111266

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	Reference
Evolution Fibre optic panel 1U with 3 blank plates for direct terminations	VDIG150991

P111267

Evolution panel for splices
■ Equipped with one coiling wheel, 2 PG9 (Ø 7 mm max.) cable glands and one splicing cassette (without splice holder)
■ Possibility to stack up to 3 splicing casettes for high density

Description	Reference
Evolution Fibre optic panel 1U with 3 blank plates, for splices	VDIG150991001

Splicing optic cassette
■ Compatible with three references of fibre optic panels above, VDIG150991, VDIG150991001, VDIG050991.
■ Delivered with a cover
■ Capacity up to 24 fibres. Recommended for 12 fibres
■ 3 cassettes can be stacked inside the 1U fibre optic panel

P120600

Description	Reference
Fibre optic splicing cassette with cover	VDIM15C112

VDI F090301

VDI F090401

Description	Reference
Comb for fixing heat-shrink protective devices for 6 FO, pack of 10	VDIF090301

Description	
Heat-shrink protective devices for 1 FO, pack of 100	VDIF090401

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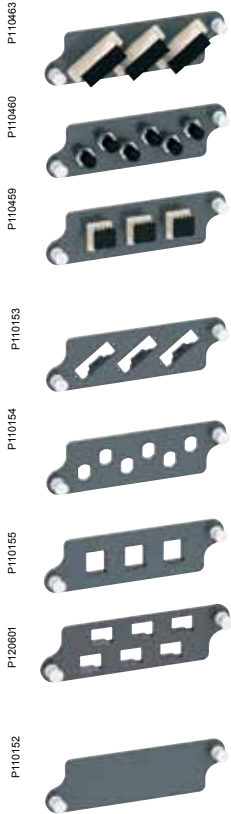
Coverplates with adapters

Description	Reference
Coverplate provided with 3 SC duplex multimode adapters	VDIM1530311
Coverplate provided with 6 ST multimode adapters	VDIM1510611
Coverplate provided with 3 LC duplex multimode adapters	VDIM1550311

Coverplates without adapters

Description	Reference
Coverplate for 3 SC duplex adapters	VDIM153031
Coverplate for 6 ST adapters	VDIM151061
Coverplate for 3 LC duplex adapters (compatible with LC duplex Adapters / square VDIB6051001, VDIB6051002, VDIB6052001 and VDIB6052002).	VDIM155031
Coverplate for 6 LC duplex adapters (compatible with LC duplex Adapters / rectangular VDIB6051003, VDIB6051004, VDIB6052003 and VDIB6052004).	VDIM155061

Blank plate

Description	Reference
Blank plate for fibre optic panel	VDIM150061

Fibre LAN adapters
Range

Adapters

■ Fibre optic adapters 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 adapters with beige color
- Identification of singlemode adapters with blue color
- Available in SC, SC APC, ST, LC and MPO formats
- Zirconia ceramic material ferrules
- Snap-in latch

Multimode (MM) adapters		
Type	**Qty/pack**	**Ref. No**
SC Duplex Adapter MM	1	VDIB6031001
SC Duplex Adapter MM	100	VDIB6031002
SC Simplex Adapter MM	1	VDIB6021001
ST Simplex Adapter MM	1	VDIB6011001
ST Simplex Adapter MM	100	VDIB6011002
LC Duplex Adapter sq MM	1	VDIB6051001
LC Duplex Adapter sq MM	100	VDIB6051002
LC Duplex Adapter rect MM	1	VDIB6051003
LC Duplex Adapter rect MM	100	VDIB6051004

Singlemode (SM) adapters		
Type	**Qty/pack**	**Ref. No**
SC Duplex Adapter SM	1	VDIB6032001
SC Duplex Adapter SM	100	VDIB6032002
SC APC Simplex Adapter SM	1	VDIB6072001
SC APC Duplex Adapter SM	1	VDIB6082001
LC Duplex Adapter sq SM	1	VDIB6052001
LC Duplex Adapter sq SM	100	VDIB6052002
LC Duplex Adapter rect SM	1	VDIB6052003
LC Duplex Adapter rect SM	100	VDIB6052004

P133697
P133692
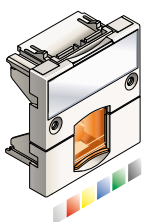P134792
P133694
P133699
P133698
P133695
P133701
P133693
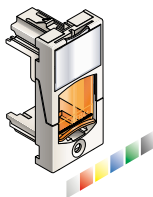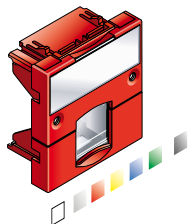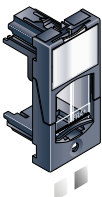P133700

Plastrons
45 x 45 mm - 22,5 x 45 mm

45 x 45 mm

22,5 x 45 mm

Un choix de couleurs variées

Plastrons adaptables

Le nouveau repérage couleur par volet cristal s'intègre harmonieusement au poste de travail. Avec sa nouvelle forme, le volet est visible même avec un cordon inséré. Fermé par 2 ressorts de rappel, il assure une protection permanente contre la poussière.

■ En format 45 x 45, deux possibilités de repérage vous sont offertes.
– Soit 7 couleurs de olet cristal avec un plastron blanc.
– Soit 7 couleurs de plastron vec volet translucide.
■ En format 22,5 x 45, deux possibilités de repérage vous sont offertes.
– Soit 2 couleurs de plastron (ris et noir) avec volet transparent.
– Soit 7 couleurs de olet avec plastron blanc.

Plastrons non adaptables

■ En format 45 x 45 mm et 22,5 x 45 mm, le plastron est blanc avec un choix de couleurs de volet cristal.
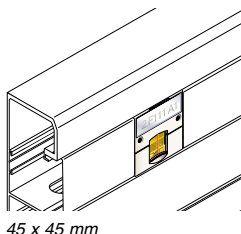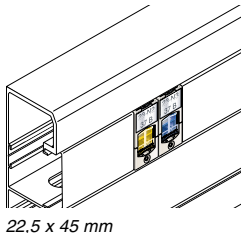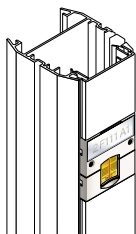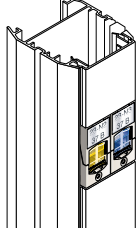
Positionnement horizontal du   on

En format 45 x 45 mm, le montage à l'horizontal du plastron dans une perche se fait à l'aide d'un accessoire de positionnement.

En format 22,5 x 45 mm, le montage à l'horizontal de 2 plastrons dans une perche se fait à l'aide d'une pièce de jumelage et d'un accessoire de positionnement.

L'horizontalité du plastron dans la perche garantit :

■ une connexion optimale entre le connecteur RJ45 et le plug du cordon,
■ une lecture horizontale du repérage.

45 x 45 mm

22,5 x 45 mm
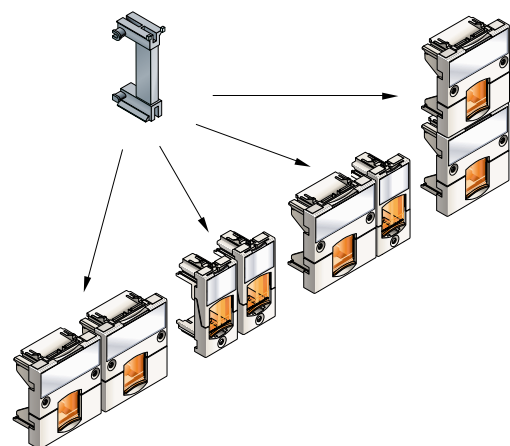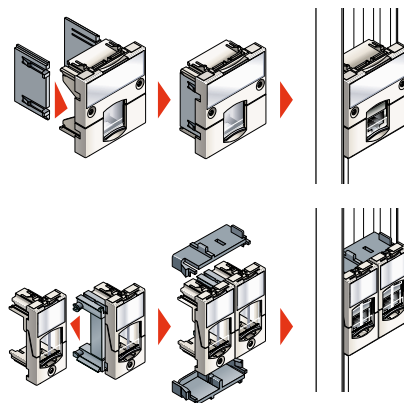
Jumelage de plastrons

Les nouveaux plastrons peuvent être solidarisés mécaniquement par un accessoire de jumelage. 4 combinaisons sont possibles afin de répondre au besoin de chaque utilisateur. Le jumelage des plastrons permet :

■ de favoriser le maintien mécanique des plastrons lors de l'enlèvement des cordons,
■ d'offrir un alignement rigoureux de plastrons consécutifs.

Maintenance simplifiée

Pour des opérations de maintenance le plastron est extractible à l'aide d'un tournevis sans risque de casse.
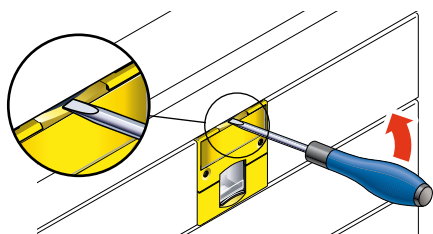
Plaquette commerciale

Pour un complément d'information, nous tenons à votre disposition notre plaquette sur notre nouvelle gamme de plastrons. Vous pouvez également la télécharger sur notre site Internet à l'adresse suivante : www.infraplus.com
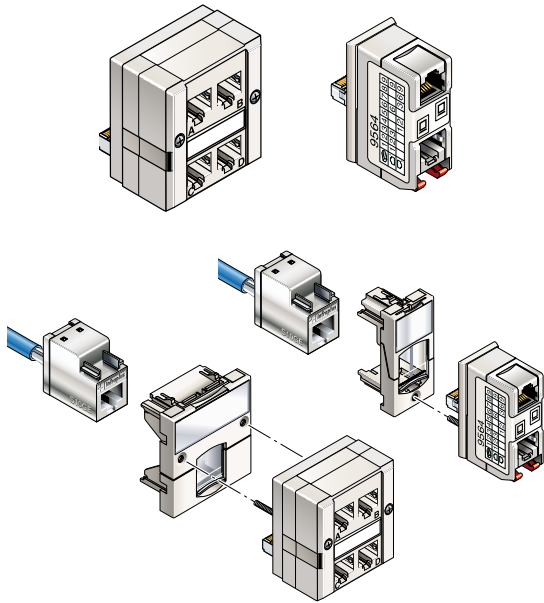
Doubler les applications sur un même câble

La gamme de doubleurs et d'adaptateurs Infraplus exploite intégralement la capacité du câblage VDI et augmente la densité de prises sans ajout de câble. Ils permettent très simplement de doubler voire quadrupler une application sur une seule prise RJ45.

Seulement avec les plastrons adaptables

Basés sur un système de verrouillage à vis, les doubleurs ne sont compatibles qu'avec les plastrons adaptables facilement reconnaissables à leurs trous filetés en face avant, deux trous pour les plastrons 45 x 45 mm et un trou pour les plastrons 22,5 x 45 mm.

Garanties des performances

■ En informatique : capacité de doubler les applications en conservant les performances de la classe D pour supporter des protocoles Ethernet jusqu'à 100 Mbits/s.

■ En téléphonie : capacité de quadrupler le nombre de téléphones sur une seule prise.

■ En mixage de ressources : possibilité de connecter un ordinateur et un téléphone sur un doubleur en conservant les performances de la classe D.

Tenue mécanique (brevet Infraplus)

Le doubleur se visse sur le plastron adaptable et assure une excellente tenue mécanique avec le connecteur RJ45. Infraplus garantit qu'aucune micro-coupure ne surviendra sur votre réseau. C'est un système unique breveté Infraplus.

Nombreuses possibilités de dédoublage

Cette technologie offre à chaque utilisateur la liberté de choisir ses configurations au poste de travail :

■ Jusqu'à 4 téléphones branchés sur une même prise RJ45.

■ Jusqu'à 2 ordinateurs connectés en même temps sur une même prise RJ45.

■ Jusqu'à 1 ordinateur et 2 tél. raccordés en même temps sur une même prise RJ45.

Doubler deux applications différentes

Doubler deux applications identiques
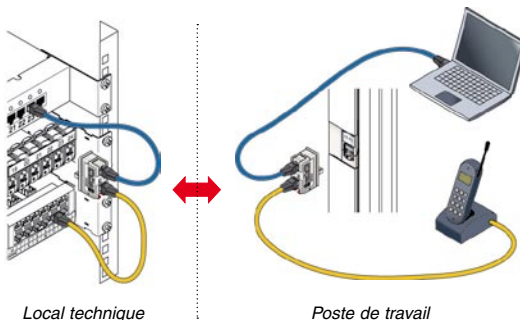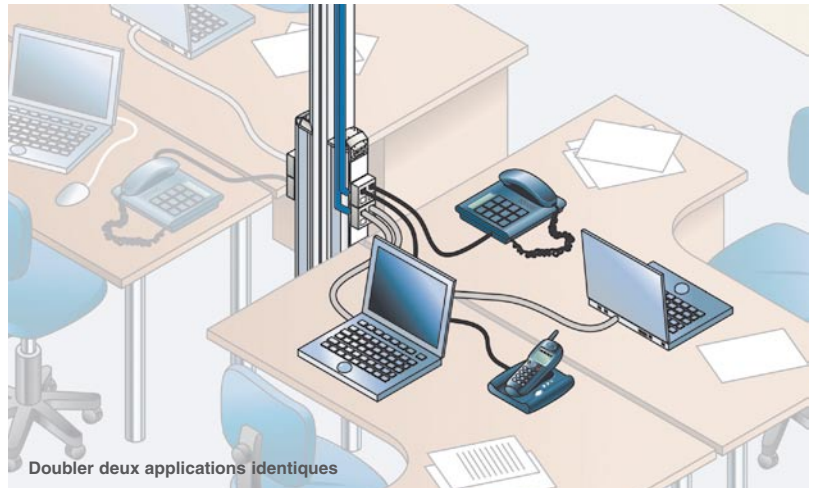
Un doubleur au poste de travail = un doubleur au local technique

À chaque doubleur au poste de travail correspond un doubleur équivalent au local technique afin de retranscrire les applications sur les matériels actifs. Retrouvez tous les types de doubleurs et leur équivalence en page 24.

Migration des anciennes connectiques sur RJ45

L'adaptateur Infraplus transforme une prise RJ45 en une prise spécifique (IBM hermaphrodite, BNC ou conjoncteur téléphonique). Cela permet de concevoir un réseau au standard RJ45 capable de supporter le fonctionnement d'anciens matériels. Commandez votre adaptateur spécifique à l'aide du bon de commande ▶ page 31.

Local technique   *Poste de travail*

RJ SECURITY : la gamme sécurité
au poste de travail RJ Safe et RJ Cap
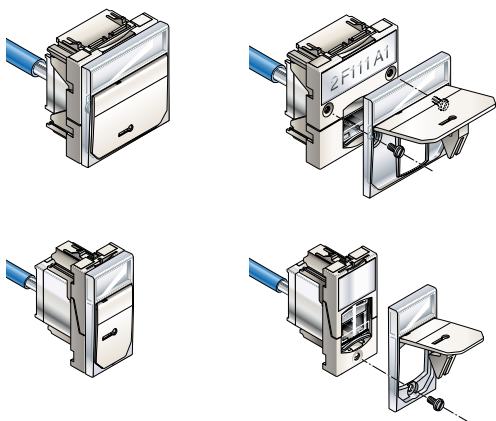
RJ Safe

Aujourd'hui, les protections logicielles des réseaux informatiques sont efficaces. Néanmoins, en interne vos données sensibles sont accessibles directement par branchement à votre réseau VDI.

Le RJ Safe interdit toute connexion non désirée par protection mécanique à l'aide d'un volet de fermeture. L'ouverture se déclenche avec une clé permettant le branchement d'un cordon. Lors de son retrait, le volet se referme automatiquement sécurisant de nouveau le réseau VDI.

Maîtrisez votre réseau VDI

Le RJ Safe s'utilise dans les zones où le réseau est accessible à des collaborateurs nomades ou des personnes extérieures (ex. salle de conférence, salle de formation, espace de travail…).

Le RJ safe se visse sur les plastrons adaptables en format 45 x 45 mm et 22,5 x 45 mm solidarisant mécaniquement l'ensemble.
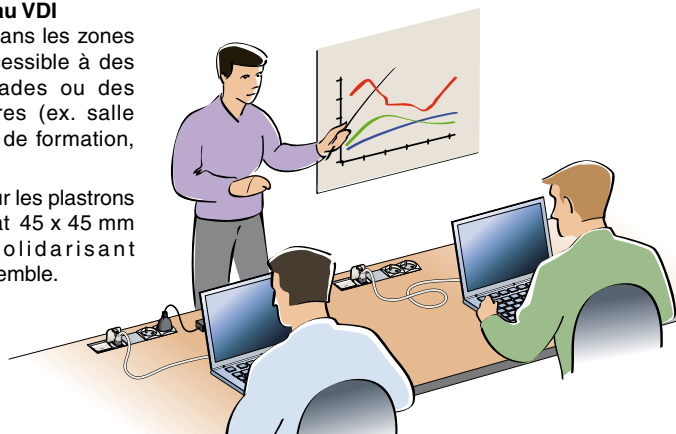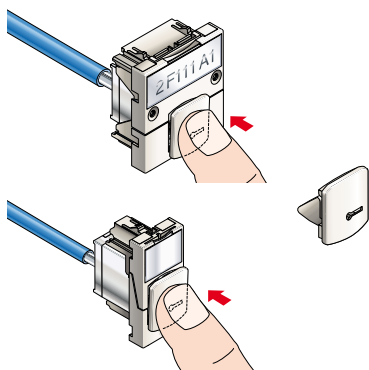
RJ Cap

Le RJ Cap apporte également une protection mécanique d'anti-intrusion en obturant la prise. Il se déverrouille avec une clé.

D'une mise en place simple et rapide, il s'intègre discrètement sur tous les nouveaux plastrons Infraplus.

Sécurisez votre réseau VDI

Au poste de travail, le RJ Cap sécurise les prises RJ 45 non utilisées ou en réserve. Il permet également, sur chantier, de protéger et de visualiser les liaisons testées en garantissant l'intégrité des performances.
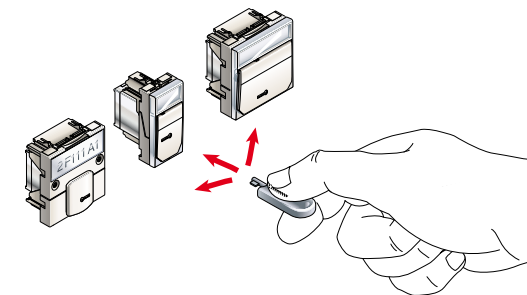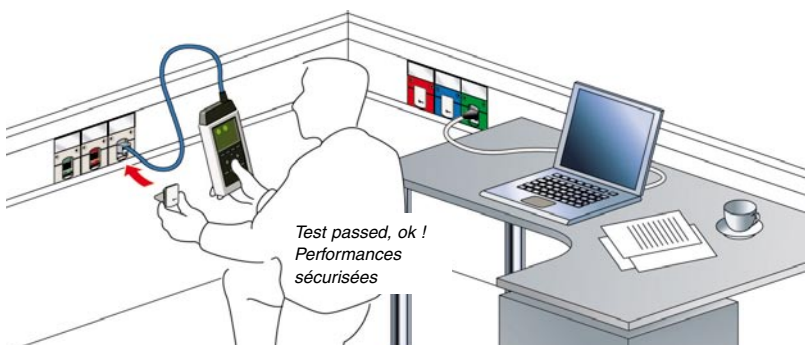
Test passed, ok !
Performances
sécurisées

## Plaquette commerciale

Pour un complément d'information, nous tenons à votre disposition notre plaquette sur notre système de sécurité. Vous pouvez également la télécharger sur notre site Internet à l'adresse suivante : www.infraplus.com.

Supports format 45 x 45 mm
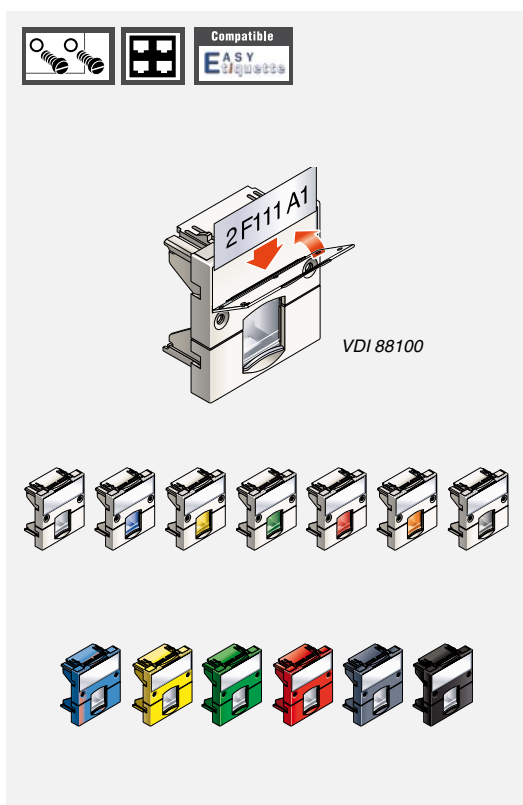
Supports 45 x 45 mm adaptables

■ Encliquetables dans tous les supports de cheminement compatibles 45 x 45 mm.
■ Positionnement à l'horizontal du plastron en perche grâce à la pièce de positionnement (réf. VDI 8810FE).
■ Jumelage des plastrons améliorant la tenue mécanique et l'esthétique grâce à la pièce de jumelage (réf. VDI 8810JL).
■ Supports compatibles avec les doubleurs Infraplus ▶ page 24 grâce au système de verrouillage à vis pour en garantir la tenue mécanique.
■ Large surface d'étiquetage 42 x 14 mm. Compatible Easy étiquette ▶ page 188.

Couleur volet	Conditionnement	Référence
Incolore	24	VDI **88100**
Bleu	24	VDI**88101**
Jaune	24	VDI**88102**
Vert	24	VDI**88103**
Rouge	24	VDI**88104**
Orange	24	VDI**88105**
Gris	24	VDI**88106**

Couleur plastron	Conditionnement	Référence
Bleu	24	VDI**88111**
Jaune	24	VDI**88112**
Vert	24	VDI**88113**
Rouge	24	VDI**88114**
Gris foncé	24	VDI**88116**
Noir	24	VDI**88117**

VDI 88100
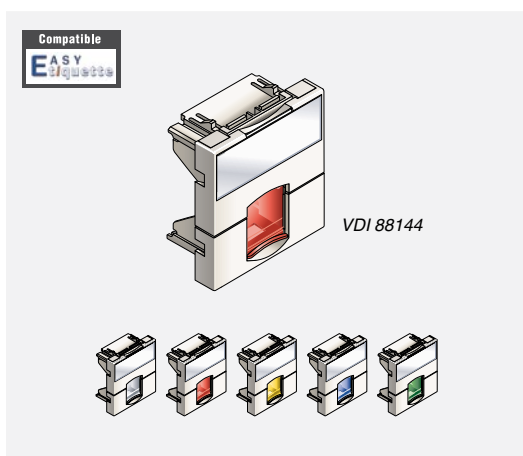
Supports 45 x 45 mm non adaptables

■ Encliquetables dans tous les supports de cheminement compatibles 45 x 45 mm.
■ Positionnement à l'horizontal en perche grâce à la pièce de positionnement.
■ Jumelage des plastrons améliorant la tenue mécanique et l'esthétique grâce à la pièce de jumelage (réf. VDI 8810JL).
■ Large surface d'étiquetage 42 x 14 mm. Compatible Easy étiquette ▶ page 188.

Couleur volet	Conditionnement	Référence
Incolore	24	VDI**88140**
Bleu	24	VDI**88141**
Jaune	24	VDI**88142**
Vert	24	VDI**88143**
Rouge	24	VDI**88144**
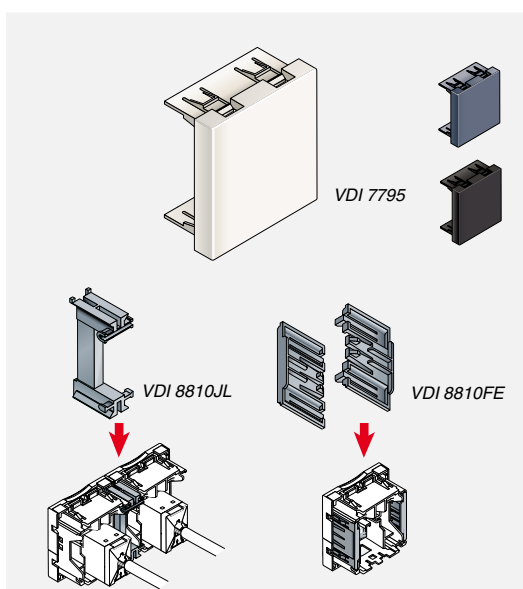
VDI 88144

Obturateurs 45 x 45 mm

■ Encliquetables dans tous les supports de cheminement compatibles 45 x 45 mm.

Couleur	Conditionnement	Référence
Blanc	10	VDI**7795**
Gris foncé	10	VDI**88196**
Noir	10	VDI**88197**

VDI 7795

Accessoires

■ Positionnement à l'horizontal en perche grâce à la pièce de positionnement.
■ Jumelage des plastrons améliorant la tenue mécanique et l'esthétique grâce à la pièce de jumelage.

Désignation	Conditionnement	Référence
Positionnement	10	VDI **8810FE**
Jumelage	10	VDI **8810JL**

VDI 8810JL   *VDI 8810FE*

Supports format 22,5 x 45 mm
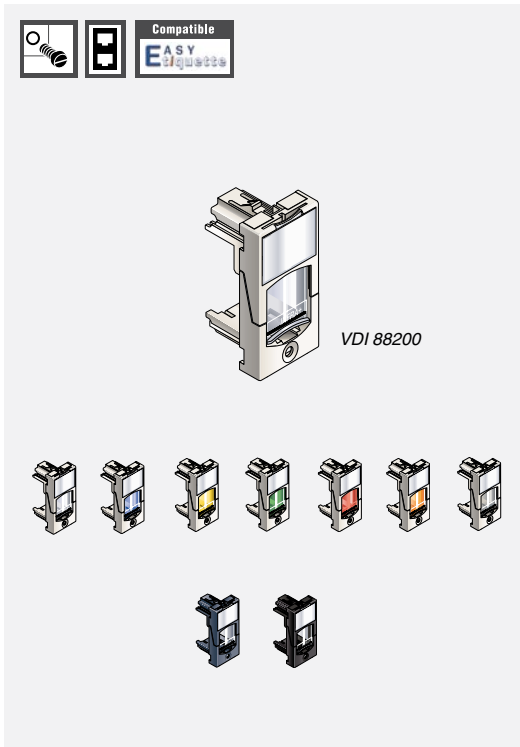
Supports 22,5 x 45 mm adaptables

■ Encliquetables dans tous les supports de cheminement compatibles 45 x 45 mm.
■ Positionnement à l'horizontal du plastron en perche grâce à la pièce de positionnement (réf. VDI 8820FE).
■ Jumelage des plastrons améliorant la tenue mécanique et l'esthétique grâce à la pièce de jumelage (réf. VDI 8810JL).
■ Supports compatibles avec les doubleurs Infraplus ▶ page 24 grâce au système de verrouillage à vis pour en garantir la tenue mécanique.
■ Large surface d'étiquetage 20 x 14 mm. Compatible Easy étiquette ▶ page 188.

| Couleur volet	Conditionnement	Référence
Incolore	24	VDI **88200**
Bleu	24	VDI **88201**
Jaune	24	VDI **88202**
Vert	24	VDI **88203**
Rouge	24	VDI **88204**
Orange	24	VDI **88205**
Gris	24	VDI **88206**

Couleur plastron	Conditionnement	Référence
Gris foncé	24	VDI **88216**
Noir	24	VDI **88217**

VDI 88200
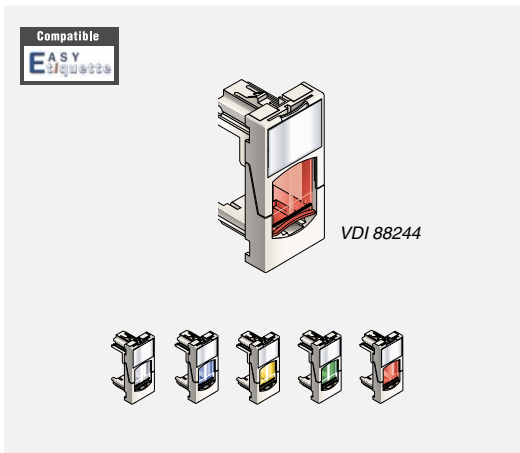
Supports 22,5 x 45 mm non adaptables

■ Encliquetables dans tous les supports de cheminement compatibles 45 x 45 mm.
■ Positionnement à l'horizontal en perche grâce à la pièce de positionnement.
■ Jumelage des plastrons améliorant la tenue mécanique et l'esthétique grâce à la pièce de jumelage (réf. VDI 8810JL).
■ Large surface d'étiquetage 20 x 14 mm. Compatible Easy étiquette ▶ page 188.

Couleur volet	Conditionnement	Référence
Incolore	24	VDI **88240**
Bleu	24	VDI **88241**
Jaune	24	VDI **88242**
Vert	24	VDI **88243**
Rouge	24	VDI **88244**

VDI 88244
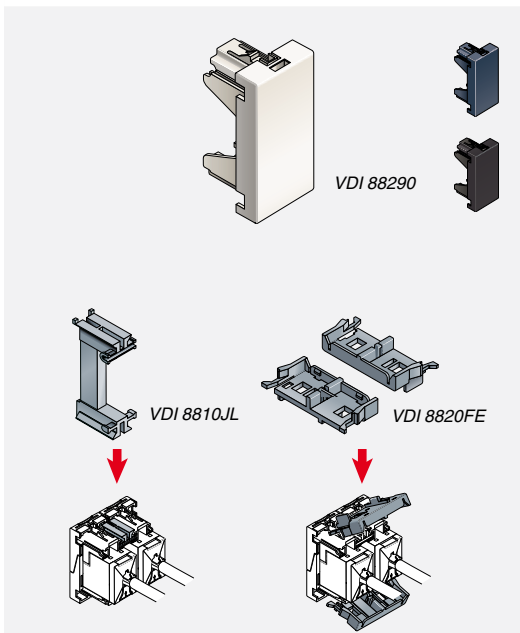
Obturateurs 22,5 x 45 mm

■ Encliquetables dans tous les supports de cheminement compatibles 45 x 45 mm.
■ Positionnement à l'horizontal en perche grâce à la pièce de positionnement.
■ Jumelage des plastrons améliorant la tenue mécanique et l'esthétique grâce à la pièce de jumelage (réf. VDI 8810JL).

Couleur	Conditionnement	Référence
Blanc	10	VDI **88290**
Gris foncé	10	VDI **88296**
Noir	10	VDI **88297**

VDI 88290

Accessoires

■ Positionnement à l'horizontal en perche grâce à la pièce de positionnement.
■ Jumelage des plastrons améliorant la tenue mécanique et l'esthétique grâce à la pièce de jumelage.

Désignation	Conditionnement	Référence
Positionnement	10	VDI **8820FE**
Jumelage	10	VDI **8810JL**

VDI 8810JL   *VDI 8820FE*

Doubleurs

VDI 9564

VDI 7544B
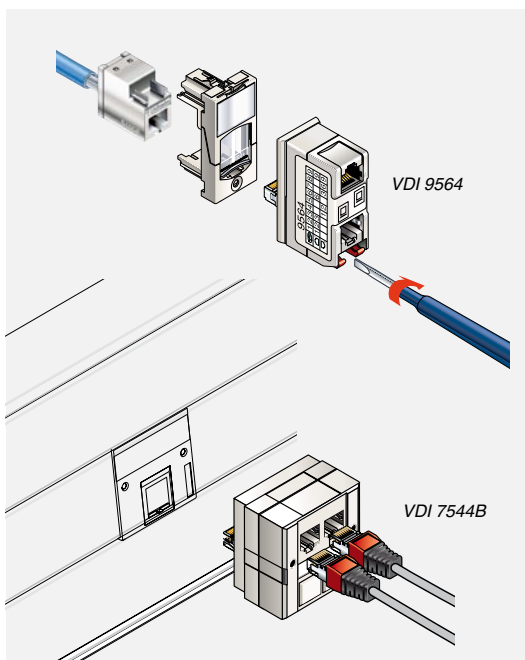
Doubleurs au poste de travail

Doubleurs 22 x 45 mm
■ Utilisables sur tous les supports adaptables 22,5 x 45 mm (réf. VDI 882XX).
■ Équipés d'un levier d'extraction du plug (rouge) et d'un système de verrouillage à vis pour garantir la tenue mécanique.
■ Repérage des 2 connecteurs A et B par pictogrammes.

Doubleurs 45 x 45 mm
■ Utilisables sur tous les supports adaptables 45 x 45 mm (réf. VDI 881XX).
■ Système de verrouillage à vis pour garantir la tenue mécanique.

Doubleurs Multiplus (22 x 45 mm) et RJ Multi (45 x 45 mm)

Désignation	Cond.	Multiplus	RJ Multi 45 mm
2 Ethernet 10/100 BT	1	VDI**9564**	VDI**7544B**
1 Ethernet 10/100 BT + 1 Tél.	1	VDI**9570**	VDI**7570**
2 téléphones numériques	1	VDI**9560**	VDI**7576**
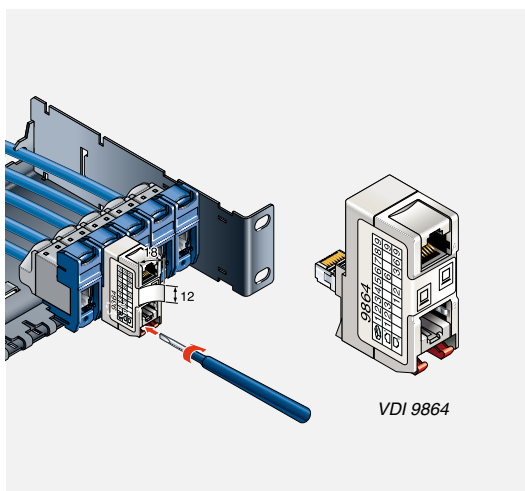
Doubleurs au local technique

Doubleurs 18 x 45 mm
■ Utilisables sur tous les supports adaptables Multiplus 18 x 45 mm (réf. VDI 99XX).
■ Équipés d'un levier d'extraction du plug (rouge) et d'un système de verrouillage à vis pour garantir la tenue mécanique.
■ Repérage des 2 connecteurs A et B par pictogrammes sur étiquette autocollante.

Doubleurs Multiplus (18 x 45 mm)

Désignation	Cond.	Encombrement	Référence
2 Ethernet 10/100 BT	1	1 port	VDI**9864**
1 Ethernet 10/100 BT + 1 Tél.	1	1 port	VDI**9870**
2 Téléphones numériques	1	1 port	VDI**9860**

VDI 9864

SECURITY : la gamme sécurité
au poste de travail RJ Safe et RJ Cap
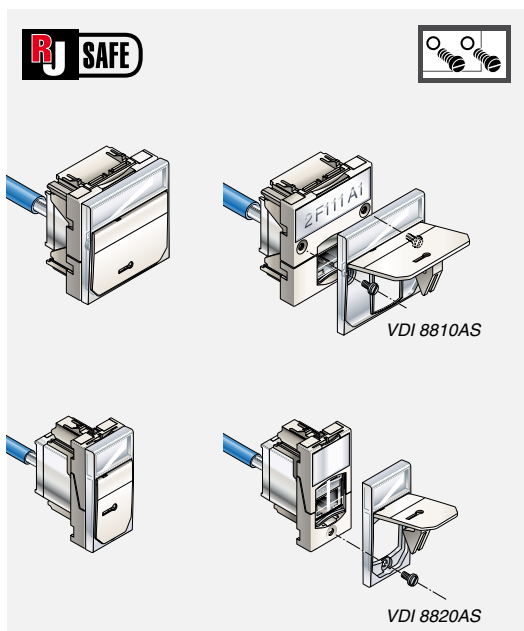
RJ Safe

■ En complément des systèmes de contrôle d'accès traditionnels (identification logiciel), le RJ Safe apporte une protection mécanique d'anti-intrusion, ce qui permet de conserver le brassage au local technique des prises utilisées occasionnellement.

■ Le RJ Safe peut s'utiliser dans des endroits où le réseau VDI est accessible à des collaborateurs nomades ou à des personnes extérieures (Ex : salles de conférence, salles de formations, salles de travail, etc.). L'accès au réseau est maîtrisé.

■ Le capot de sécurité est maintenu mécaniquement par les vis de fixation présentes sur les plastrons adaptables (Brevet Infraplus) ce qui permet une résistance accrue à l'arrachement.

■ Le volet du RJ Safe se referme automatiquement lorsque le cordon est retiré.

■ Le RJ Safe permet de sécuriser un réseau VDI grâce à un système de verrouillage à clé.

■ Existe au format 45 x 45 mm et 22,5 x 45 mm.

VDI 8810AS

VDI 8820AS

Désignation	Conditionnement	Référence
RJ Safe pour prises adaptables 45 x 45 mm	10	VDI **8810AS**
RJ Safe pour prises adaptables 22,5 x 45 mm	10	VDI **8820AS**
Clé pour RJ CAP et RJ Safe	3	VDI **8810SK**
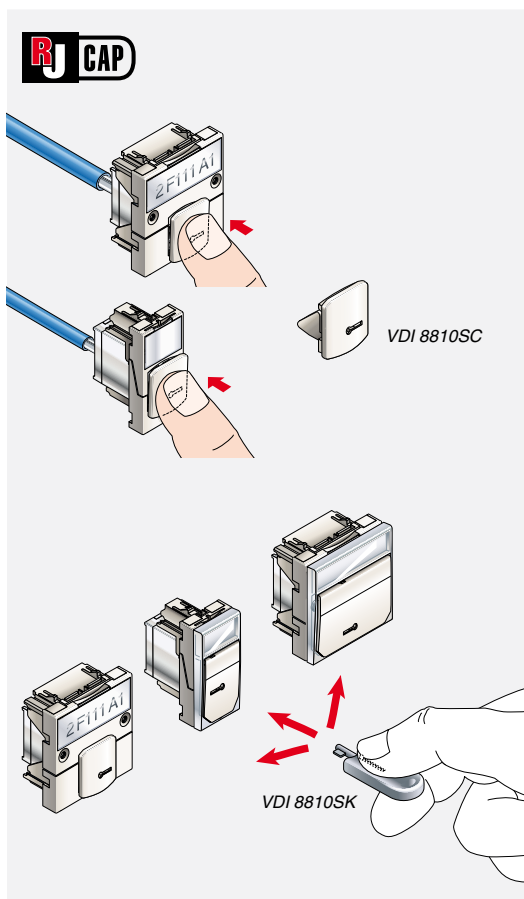
RJ Cap

■ En complément des systèmes de contrôle d'accès traditionnels (identification logiciel), le RJ Cap apporte une protection mécanique d'anti-intrusion, ce qui permet de conserver le brassage au local technique des prises VDI.

■ Le RJ Cap permet de sécuriser les prises RJ45 non utilisées ou en réserve.

■ Le RJ Cap permet également de protéger et de visualiser les liaisons une fois testées, garantissant ainsi l'intégrité des performances.

■ La mise en place est simple et rapide et ne nécessite ni l'utilisation d'un outil, ni l'utilisation de la clé.

■ De par sa petite taille, il reste discret sur votre réseau VDI.

■ Le RJ Cap permet de sécuriser un réseau VDI grâce à un système de déverrouillage à clé.

■ Compatible avec les plastrons adaptables ou non adaptables, au format 45 x 45 mm et 22,5 x 45 mm.

VDI 8810SC

VDI 8810SK

Désignation	Conditionnement	Référence
RJ CAP	10	VDI **8810SC**
Clé pour RJ CAP et RJ Safe	3	VDI **8810SK**

Data & Telephone sockets

ETK45045

Type	Reference	Quantity per pack
45x45 keystone bracket with shutter 1 port	ETK45045E	10
45x45 keystone bracket with shutter 2 port	**ETK45245E**	10
22.5x45 keystone bracket with shutter 1 port	ETK45022E	10
22.5x45 keystone bracket blind cover	ETK45122E	10
Cat3 UTP tooless keystone jack	ETK45041	10

Накладки - держатели для модулей RJ типа Keystone				
Материал: АБС				
Накладка 45x45	Белый RAL9010	45x45x21,5	50	RIN-144-BE
Накладка 45x22,5	Белый RAL9010	45x22,5x21,5	100	RIN-145-BE

Altira
Inserts

ALB45325N
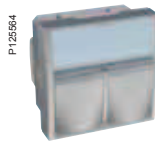
ALB46325N

VDIB17725U

VDIB17725B

RJ45 Altira data sockets with Actassi S-One connectors

b A guarantee of performances.
b Easy and reliable wiring without any specific tool.
b Visible wiring colour code on the connector.
b Faster cable termination by clipping.
b Compact Form Factor.

	Unshielded		Foiled		Shielded	
	Single	Double	Single	Double	Single	Double
Category 5e (100 MHz)						
Colour	Ref. No.	Ref. No.	Ref. No.	Ref. No.	Ref. No.	Ref. No.
white	ALB45305N	ALB45325N	ALB45315N	ALB45335N	ALB45345N	ALB45355N
aluminium	ALB46305N	ALB46325N	ALB46315N	ALB46335N	ALB46345N	ALB46355N
polar white	ALB44305N	ALB44325N	ALB44315N	ALB44335N	ALB44345N	ALB44355N
	(7)	2 x (7)	(8)	2 x (8)	(8)	2 x (8)
Category 6 (250 MHz)						
Colour	Ref. No.	Ref. No.	Ref. No.	Ref. No.	Ref. No.	Ref. No.
white	ALB45306N	ALB45326N	ALB45316N	ALB45336N	ALB45346N	ALB45356N
aluminium	ALB46306N	ALB46326N	ALB46316N	ALB46336N	ALB46346N	ALB46356N
polar white	ALB44306N	ALB44326N	ALB44316N	ALB44336N	ALB44346N	ALB44356N
	(9)	2 x (9)	(10)	2 x (10)	(10)	2 x (10)
Category 6A (500 MHz) 10 Gigabits Ethernet network						
Colour	Ref. No.	Ref. No.	Ref. No.	Ref. No.	Ref. No.	Ref. No.
white	ALB45307N	ALB45327N	ALB45317N	ALB45337N	ALB45347N	ALB45357N
aluminium	ALB46307N	ALB46327N	ALB46317N	ALB46337N	ALB46347N	ALB46357N
polar white			ALB44317N	ALB44337N	ALB44347N	ALB44357N
	(11)	2 x (11)	(12)	2 x (12)	(12)	2 x (12)

Actassi S-one RJ45 connectors reference numbers included into Altira data sockets (compliant with ISO/IEC 11801 including amendment 2:2010 for Cat 6A): (7) VDIB17725U, (8) VDIB17725B, (9) VDIB17726U, (10) VDIB17726B, (11) VDIB1772XU, (12) VDIB1772XB.

Altira
Inserts

Data sockets

Complementary offer			
Cover plates supplied without RJ45 connectors	Colour	Compatible with	Ref. No
For RJ45 S-One connectors	white	(7), (8), (9), (10), (11), (12)	ALB45391
	aluminium	(7), (8), (9), (10), (11), (12)	ALB46391
	polar white	(7), (8), (9), (10), (11), (12)	ALB44391
For 2x RJ45 S-One connectors	white	(7), (8), (9), (10), (11), (12)	ALB45384
	aluminium	(7), (8), (9), (10), (11), (12)	ALB46384
	polar white	(7), (8), (9), (10), (11), (12)	ALB44384
For RJ45 AMP™ keystone connectors *Can be used in the Altira cover plates: AMP 1116515-1, AMP 1375055-x, AMP 1375188-1, AMP 1375189-1, AMP 1375191-x*	white		ALB45380
	polar white		ALB44380
For 2x RJ45 AMP keystone connectors *Can be used in the Altira cover plates: AMP 1375055-x, AMP 1375188-1, AMP 1375189-1, AMP 1375191-x*	white		ALB45382
	polar white		ALB44382
For RJ45 Systimax™ connectors *Can be used with VDI Cover Plates: AVAYA MPS100E, AVAYA MGS400, AVAYA MGS500*	white		ALB45381
	polar white		ALB44381
For 2x RJ45 Systimax™ Cat 5 connectors ref. MPS100E *Can be used with VDI Cover Plates: AVAYA MPS100E*	white		ALB45383
	polar white		ALB44383
For RJ45 3M-Pouyet	white		ALB45390
	polar white		ALB44390
RJ45 cover plate shutters (10 units)	Colour		Ref. No
	blue (IT)		ALB45392
	green (backbone)		ALB45393
	red (BMS)		ALB45394
	yellow (telephone)		ALB45395

Systimax™ is a registered trademark of Commsocpe Solutions.
AMP™ is a registered trademark.

white: RAL9011; polar white: RAL 9003

Enclosures for indoor needs

Wall-mounting

Floor-standing

Schneider Electric

Actassi Enclosures

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.

P126926

The Digital Rule helps you select products

Hard to select the Actassi enclosures, RJ45 connectors, patch panels and cables? Visit 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.

PB501435

Actassi OPB and KDB

PB501435

Actassi OPB
Open Box with swing rack

PB501434

Actassi OPB
Open Box with fixed rack

PB501476

Actassi OPB
Mobile Open Box

P133087

Actassi KDB
Knock-Down Box

Actassi VDC and XS-E

PB501437

Actassi VDC
Monobloc 1 body

PB501438

Actassi VDC
Monobloc 2 bodies

PB501451

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 dismounted.

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.

Side panels are easily removed without tools.

Easy to install using fixing points.

Pre-cut cable entry from both top and bottom.

Door easily mounted and removed without tools.

Both sides are openable.

Securit® safety glass door.

Key lock

Side panel is opened and locked from the inside.

Quick-lock, 1/4-turn nuts.

Swing rack for easy installation and maintenance.

Gradual 25 mm depth adjustment.

OPB
19" Wall Open Box
Ergonomic and adaptable

PB501435

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.

Schneider Electric

OPB

19" Wall Open Box with swing rack
Open for easy installation and maintenance

PB501435

Total accessibility with the swing rack and the swingable and removable side panels and door.

Introduction and selection guides

- 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.
- Ingress Protection : IP20
  – Object size protected against > 12,5mm
  – No liquid protected
- Impact Protection : IK08
  – Impact energy = 5 joules
- Available enclosures :
  – 5 heights: 6, 9, 12, 15, 18 U.
  – 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 IEC60297-3-100 and EIA-310-E

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**	**NSYECVT300**
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**		

OPB
19" Wall Open Box with fixed rack
Ergonomic and adaptable

2U extra space "for free", 1U in the top and 1U in the bottom. Can be used for example for power rails.

Introduction and selection guides

- 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 n° 333.
- Ingress Protection : IP20
  – Object size protected against > 12,5mm
  – No liquid protected
- Impact Protection : IK08 (for glazed door)
  – Impact energy = 5 joules
- Impact Potection : IK10 (for plain door)
  – Impact energy = 20 joules
- Available enclosures:
  – 6 heights: 6, 9, 12, 15, 18, 21 U.
  – 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 IEC60297-3-100 and EIA-310-E

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	NSYOPB6U4F	NSYOPB6UTPN	NSYECP300	NSYECVT300
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

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	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

PB501476

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 n° 333. It is easily dismountable without tools.
- Certifications : In compliance with the directive RoHs, with the 19" standard IEC60297-3-100 and EIA-310-E

Composition
- Actassi OPB with top and bottom cut-outs.
- 1 glazed front door with a lock, key n° 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.

OPB
Mounting accessories

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	Reference
6	NSYOPB6UTPN
9	NSYOPB9UTPN
12	NSYOPB12UTPN
15	NSYOPB15UTPN
18	NSYOPB18UTPN
21	NSYOPB21UTPN
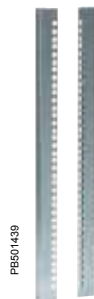
Additional 19" uprights
- Batch of two 19" uprights delivered with the fixings required for installation.
- Material: zinc-coated sheet steel, 20/10 mm thick.
- Maximum load: 3 kg/U; max. 50 kg per enclosure.
- Unit marking.

Number of U	Reference
6	NSYOPB6UF
9	NSYOPB9UF
12	NSYOPB12UF
15	NSYOPB15UF
18	NSYOPB18UF
21	NSYOPB21UF

19" uprights, rear, 2 U
- 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 2 U 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 (1 U).
- Material: zinc-coated sheet steel.

Number of U	Reference
2	NSYSSOPB

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 (1 U).
- Material: zinc-coated steel.
- Delivered with the fixings required for installation.

Cable support
NSYSPBOPB

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.

The Actassi KDB boxes are available at your wholesaler. Always quick and easy to find an enclosure for your needs.

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.

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.

P134689

Easy to assemble
The symmetric construction of the top, bottom and side panels gives easy and safe assembling.

P134691

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.

P131633

Smart ventilation (option)
Secure the installed components like switches and PABX. Use the 19" smart fan plates equipped with a thermostat adjustable from 0° 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

P133084

60%
The flat-pack saves 60% of space in the stock

Introduction and selection guides

- Flat-pack wall-mounting enclosure dismounted 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 n° 333.
- Top and bottom 19" Knock-down plates for entry cables and fans – 0U
- Ingress Protection : IP20
  – Object size protected against > 12,5mm
  – 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 IEC60297-3-100 and EIA-310-E
- Brush entry cables NSYCRTM1U1PS (in option)
- Smart fan NSY1FAN230T to manage the temperature from 0° to 55°c (in option)

P133087   P131660   P133103

Number of U	Height	Width	Depth	Enclosure	Brush entry cables	Smart fan
6U	352	600	400	NSYKDB6U4F		
9U	485	600	400	NSYKDB9U4F	NSYCRTM1U1PS	NSY1FAN230T
12U	618	600	600	NSYKDB12U6F		
15U	752	600	600	NSYKDB15U6F		

KDB
Thermal management

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 (155m³/h)
  - 230V – AC
  - Plugs IEC14 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° to 55°C
- Equipped with 1 led switch On/Off

Basic fans
- WITHOUT thermostat and switch

Smart fans	Type	Reference
P133103	1 Fan	NSY1FAN230T
P131633	2 Fans	NSY2FAN230T

Basic fans	Type	Reference
P133102	1 Fan	NSY1FAN230
P133104	2 Fans	NSY2FAN230

Cables for smart & basic fan plates

- Black power cables of 3m to power the fan plates

	Plug Out	Plug In	Reference		Plug Out	Plug In	Reference
P133098	IEC C13	Schuko/FR	NSYIEC13SCH	P133100	IEC C13	DK	NSYIEC13DK
P133099	IEC C13	UK	NSYIEC13UK	P133101	IEC C13	IEC C14	NSYIEC13IEC14

Top or bottom blanking plate
- Plain blanking plate.
- Material: zinc-coated steel sheet.
- Delivered with the fixings required for installation.

Reference
NSYEC300

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)	Reference
35 x 300	NSYECP300

Total brush gasket
- It is fixed to the top and bottom cable entries.

Dimensions (mm)	Reference
100 x 300	NSYECPT300

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.

Reference
NSYECAV300

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 m³/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).

Reference
NSYECVT300

OPB/VDC
EA accessories
Base accessories

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.

Reference
NSYPNOPB

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.

Reference
NSYRUFOPB

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)		Reference
Width	**Depth**	
600	400	**NSYZUN64OPB**
600	500	**NSYZUN65OPB**
600	600	**NSYZUN66OPB**

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)	Reference
75 x 400	**NSYJPSVD**

Wall-mounting kit for the enclosures
- Allows wall-mounting of enclosures from 6 U to 29 U, 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)	Reference
600	**NSYCFRS**

595
250
DB300688
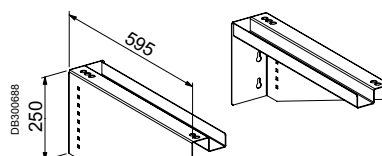
PB501442

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)	Reference
140	**NSYGF140OPB**

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)	Reference
200	**NSYGF200OPB**

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.

Reference
NSYSRCOPB

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-B
Cabling enclosure

Actassi VDS
Server enclosure

Actassi VDA
Cabling enclosure

Actassi VDA-E
Cabling enclosure

Actassi VDA-L
Cabling enclosure.
Prepared for Ruko
locking system

BTR
Technical rack
Tempory installation

Introduction

Heights of 24 U and 42 U

Applications
■ Test rack.
■ Mixing rack.
■ Prototype rack.

To be made up of
■ 1 steel plinth, 600 × 600 mm.
■ Two 19" uprights, height of 24 or 42 U.
■ 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**, **NSYBB-T1U40P**, **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 IEC60297-3-100 and EIA-310D
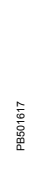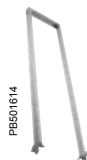
N° of usable U	Batirack plinth ref.	19" upright and cross-rail kit	Castor ref.	Cable entry trim strips
24 U	NSYZUN66BTR	NSYBTR24U	NSYRUFVDA	–
42 U	NSYZUN66BTR	NSYBTR42U	NSYRUFVDA	NSYPEPM42UBTR

BTR
Tempory installation

Composition accessories

Batirack plinth
■ Steel plinth, 2 mm thick, format 600 × 600 mm.
■ RAL 7011 dark grey paint.
■ Delivered with 4 installation feet.

Reference
NSYZUN66BTR

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 42 U.
  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	Reference
24	**NSYBTR24U**
42	**NSYBTR42U**

Coupling kit
■ For coupling 2 Batiracks.
■ Kit made up of 2 spacers, one plate and the fixings required for installation.

Reference
NSYKYUXBTR

Cable-entry trim strips
■ Installed on the 2 spacers of the coupling kit, reference **NSYKYUXBTR**.
■ Fixing by 4 screws.

Number of U	Reference
42	**NSYPEPM42UBTR**

Complementary accessories

Floor-standing kit
■ Kit made up of 4 brackets and 4 screws.

Reference
NSYKFSBTR

Stiffening kit
■ Batch of 2 cable-support stiffening kits.
■ Installed between the front and rear 19" uprights, with a standard depth of 600 mm.

Reference
NSYTSCBTR

VDA
Easy to install and to integrate
19" Cabling enclosure

PB501419

PB501535

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.

PB501532

PB501537

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.

PB501538

Rigidity and sturdiness
400 kg of acceptable static load.Option of increasing to 500 kg using a rigidity kit.

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.

VDA-B
Simple and functional

Introduction

VDA-B rack
- Designed for circulation applications with switches and routers.
- 6 heights: 24 U, 29 U, 33 U, 38 U, 42 U and 47 U.
- 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 (RAL7035) for lining
  – Dark Grey (RAL7011) for framework
- Ingress Protection : IP20
  – Object size protected against > 12,5mm
  – No liquid protected
- Impact Protection : IK08
- Impact energy = 5 joules
- Certifications : In compliance with the directive RoHs, with the 19" standard IEC60297-3-100 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 (page **XX**).
- 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 n° 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.
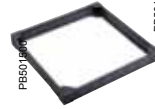
VDA-B
Simple and functional

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: 24 U, 38 U, 42 U and 47 U.
■ 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 (RAL7035) for lining
  – Dark Grey (RAL7011) for framework or
  – Black (RAL9011)
■ Ingress Protection : IP20
  – Object size protected against > 12,5mm
  – No liquid protected
■ Impact Protection : IK08
  – Impact energy = 5 joules
■ Certifications : In compliance with the directive RoHs, with the 19" standard IEC60297-3-100 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 (see page XX).
■ 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 n° 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 n° 333, opening to 180º.
■ Side panels with louvres, with quick installation and removal, locking by latches.
■ **T**op 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: 42 U.
■ 2 widths: 600 and 800 mm.
■ 3 depths: 600, 800 and 1000 mm.
■ Rack composition
■ Identical composition to the above rack with side pannels.
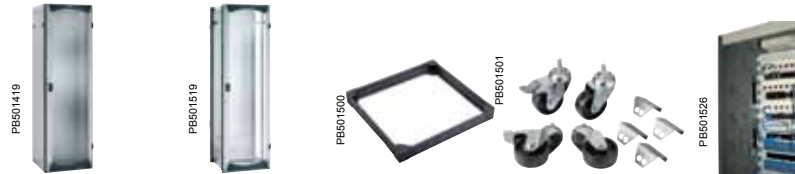■ Delivered assembled.

PB501545

PB501420

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

VDS
19" server enclosure
Robust and ventilated

PB501631

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.

PB501624

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.

PB501630

Adaptation and customisation:
The configured offer allows you to clad the rack according to your needs:
• 2 framework models.
• 13 door models (micro-perforated double door, etc.).
• 2 side panel models.

Schneider Electric

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.
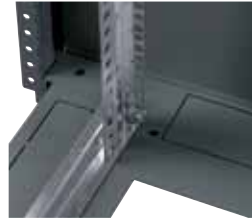
PB501622

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
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 (RAL9011)
- Ingress Protection : IP20
  – Object size protected against > 12,5mm
  – No liquid protected
- Impact Potection : IK10
  – Impact energy = 20 joules
- Certifications: In compliance with the directive RoHs, with the 19" standard IEC60297-3-100 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 (page XX).
- 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 n° 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.
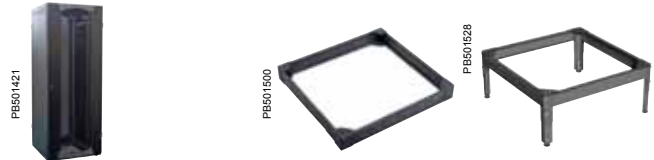
PB501631

VDS
19" server
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 XX-XX

Specific

■ Specific service: Tailor-made enclosures, we perform the enclosure dimensions (15 U rack, 400 mm deep, etc.), knock-outs, product composition, colour and accessory installation for you.
■ A single order, a single delivery.

See page XX

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: 500x350x160 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	Reference
Overhead 19" patching frame 4U	VDIM33174

Schneider Electric

Locking system (P1)
■ Allows the closure of a side panel and the rear panel.
■ Lock with key n° 333 with escutcheon plate.
■ It is installed on the opening latches of the side and rear panels.
■ Delivery of 2 locks per panel.

Reference
NSYSTVDA

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	Reference
DIN half-cylinder	**NSYAEDN1DVD**
ASSA	**NSYAEDN1AVD**
KABA	**NSYAEDN1KVD**

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 n°	Reference
2124E	**NSYAEDNH2124EVD**

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).

Reference
NSYAEDN3PVD

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 n°	Reference
2124E	**NSYAEDN2124EVD**

VDA/VDS
EA accessories
Cladding
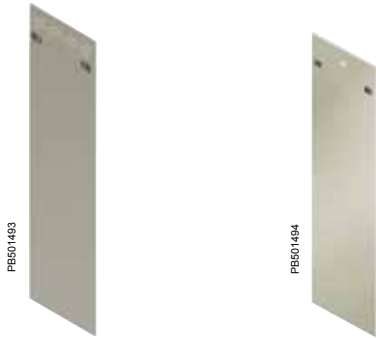
Side panels

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	NSY2PLVDC24U6	NSY2PLVDC24U6N
24U	1200	800	NSY2PLVDC24U8	NSY2PLVDC24U8N
24U	1200	1000	NSY2PLVDC24U10	NSY2PLVDC24U10N
29U	1400	600	NSY2PLVDC29U6	-
29U	1400	800	NSY2PLVDC29U8	-
33U	1600	600	NSY2PLVDC33U6	-
33U	1600	800	NSY2PLVDC33U8	-
38U	1800	600	NSY2PLVDC38U6	-
38U	1800	800	NSY2PLVDC38U8	-
42U	2000	600	NSY2PLVDC42U6	NSY2PLVDC42U6N
42U	2000	800	NSY2PLVDC42U8	NSY2PLVDC42U8N
42U	2000	1000	NSY2PLVDC42U10	NSY2PLVDC42U10N
47U	2200	600	NSY2PLVDC47U6	-
47U	2200	800	NSY2PLVDC47U8	-

Perforated rear partial panel

■ Perforated rear panel for partial door on the VDA enclosures.
■ Allows the installation of a blanking plate ref. **NSYEC440**, **NSYECP440**, **NSYECVA440**, **NSYECVT3440**, **NSYECVT3V440**, etc.
■ 1.5 mm sheet steel, RAL 7035 light grey paint.

Height (mm)	Width (mm)	Reference
250	600	NSYPPECC26
250	800	NSYPPECC28

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	Reference	
	Width 600 mm	Width 800 mm
42U	NSYAEPX42U6	NSYAEPX42U8

To order your enclosure elements, please consult the configuration sheet on page XX.

PB501498

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.

Reference
NSYCUNVDA

PB501594

### 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)	Reference
600	**NSYCUNPL600**
800	**NSYCUNPL800**
1000	**NSYCUNPL1000**

VDA/VDS
EA accessories
Cable management and cladding
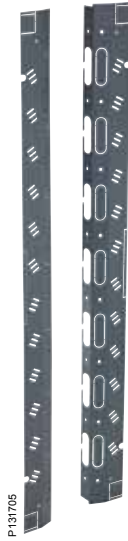
Vertical trim strips with cable entries (H2)
■ For enclosures with a width of 800 mm only.
■ Side cut-outs allowing the entry of cables every 250 mm. Knock-out entries on the front plate every 250 mm.
■ Assembly on the framework uprights providing aesthetic continuity between the framework and the 19" uprights positioned at least 100 mm away from the door.
■ RAL 7011 dark grey paint.
■ Cable-protection strips (not supplied) to be ordered separately. See page XX.
■ Dismounting by 1/4-turn screws.
■ Kit made up of 2 trim strips.

Number of U	Reference
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	Reference	
	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, page XX.
■ Kit made up of 2 trim strips.
■ Other sizes, please consult us.

Number of U	Reference
42U	**NSYTVRN42U**

VDA/VDS
EA Base accessories

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.

Reference
NSYPNVDA

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.

Reference
NSYPRVDA

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	Reference
250 kg/4 castors	NSYRUFVDA

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 **NSYRUFPNVDA**.
■ 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.

Reference
NSYRUFPNPVDA

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.

Reference
NSYRUFPNVDA

VDA/VDS
EA accessories
Base

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 **NSYRUFPNPVDA**.
- 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)	Reference
600	600	**NSYZUN66VDA**
600	800	**NSYZUN68VDA**
600	1000	**NSYZUN610VDA**
800	600	**NSYZUN86VDA**
800	800	**NSYZUN88VDA**
800	1000	**NSYZUN810VDA**

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)	Reference
600	**NSYZUNA600VDA**
800	**NSYZUNA800VDA**
1000	**NSYZUNA1000VDA**

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)	Reference
600 and 800	**NSYZUNFL108**

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	Reference
75 x 400	**NSYJPSVD**

VDA/VDS
EA accessories
Base

PB501528

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**.

Dimensions (mm)		Reference
Width	Depth	
600	800	**NSYAEBP2F68**
600	1000	**NSYAEBP2F610**
800	800	**NSYAEBP2F88**
800	1000	**NSYAEBP2F810**

PB501598

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.

Reference
NSYAEBP2F4F

PB501599

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 +/– 30 mm.
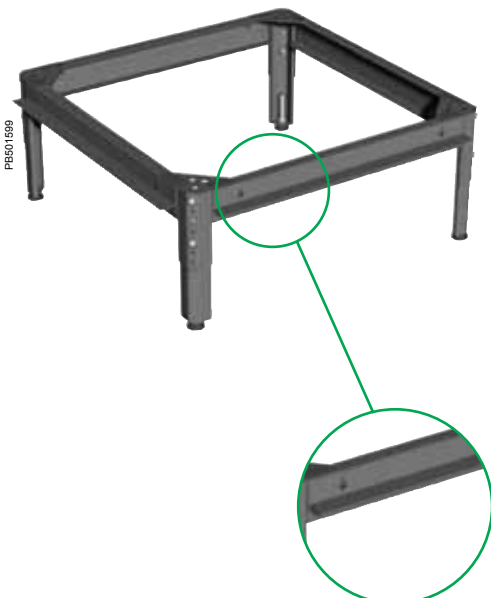
Width or depth (mm)	Reference
600	**NSYAEBP2FS6**
800	**NSYAEBP2FS8**
1000	**NSYAEBP2FS10**

PB501600

PB501601

Fixing kit
- Allows the rack to be fixed to the floor and/or to the wall.
- Delivered with assembly instructions.

Reference
NSYCFM

PB501559
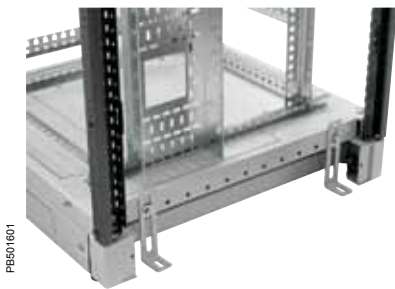
Plain roof plate (E1)
- Removable plate made from folded sheet steel, RAL 7035 light grey, epoxy-polyester, textured, powder paint.
- Plate delivered assembled on the framework.
- Option of installing roof stand-offs (reference **NSYEX206**) and blanking plates.

Reference
NSYTSPC450

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	Reference
75 x 400 mm	**NSYTSP450**

PB501561
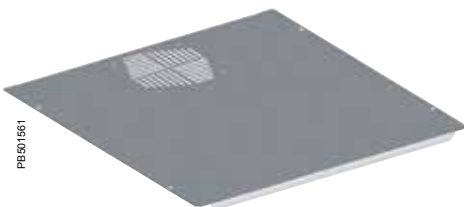
Perforated roof plate (E3)
- Removable plate made from folded sheet steel, RAL 7035 light grey, epoxy-polyester, textured, powder paint, with cut-out for installing a fan.
- Plate delivered assembled on the framework.
- Option of installing the fans with a fixing centre-to-centre distance of 105 x 105 (see the ClimaSys range).
- Option of assembling roof stand-offs (reference **NSYEX206**) and blanking plates.

Reference
NSYTSPV450

PB500683

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)	Reference
20	**NSYEX206**

PB501543

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.

Reference
NSYEC440

Blanking plate with brush gasket (J2) (K2) (L1)

■ Fixing on the internal surface of the base or roof or on a 6 U 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)	Reference
75 x 400 mm	NSYECP440

Blanking plate with ventilation louvres (J5) (K3) (L4)

■ Fixing on the internal surface of the base or roof or on a 6 U 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.

Reference
NSYECAV440

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 6 U knock-out panel of the reduced rear door.
■ Equipped with 2 or 3 fans, free flow of 170 m^3/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).
■ 1 U front panel with thermostat, page XX.

Dimensions (mm)	Reference
3 positions without fan	NSYECVT3440
With 3 fans	NSYECVT3V440
2 positions without fan	NSYECVT2440
With 2 fans	NSYECVT2V440

VDA/VDS
EA accessories
Roof and base accessories

PB500688

NSYFECVT440

Filter for ventilated blanking plate
■ It is fixed on top of the ventilated plates or the plates with ventilation louvres.

Reference
NSYFECVT440

Height (mm)	Reference
Batch of 5 spare filters	**NSYCEFILS**

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 and 800 mm	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)	Reference
600	**NSYECPL600**
800	**NSYECPL800**
1000	**NSYECPL1000**

PB501009

Brush gasket for a knock-out area
■ Assembly on the knock-out areas for cable entry.
■ Cable-entry width: 75 mm.

Reference
NSYJPSVD

VDA/VDS
EA accessories
Roof and base accessories

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^3/h for each fan.

Reference
NSYVL400

Blanking plate for a knock-out area
■ Treated sheet steel.
■ Assembly on the knock-out areas for cable entry.

Reference
NSYECS400

Sheet-edge protection strip
■ 10-m roll of rubber protection strip.

Reference
NSYTPV

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.

Reference
NSYAELYM12VD

VDA/VDS
EA accessories
Installation supports

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	Reference
12U	**NSYBR9F12**
21U	**NSYBR9F21**
24U	**NSYBR9F24**
29U	**NSYBR9F29**
33U	**NSYBR9F33**
38U	**NSYBR9F38**
42U	**NSYBR9F42**
47U	**NSYBR9F47**
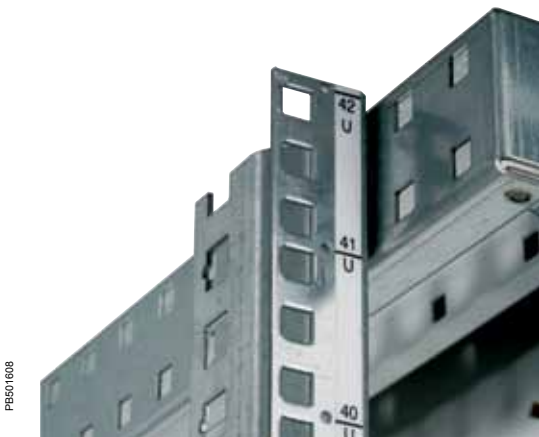
Adhesive strip for marking the U
- Batch of 10 self-adhesive strips.
- Gluing on the front panel of the 19" upright.
- Allows the units to be numbered.
- Length: 42 U.

Reference
NSYENU

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)	Reference
600	600	**NSYSBRF66**
600	800	**NSYSBRF68**
600	1000	**NSYSBRF610**
800	600	**NSYSBRF86**
800	800	**NSYSBRF88**
800	1000	**NSYSBRF810**

Schneider Electric

Fixed partial 19" uprights

■ Height: 2 U.
■ 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	Reference	
	Width 600 mm	Width 800 mm
2	NSYBR9F2U6	NSYBR9F2U8

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)	Reference
600	NSYTVPSL6
800	NSYTVPSL8

Depth (mm)	Reference
600	NSYTVPSP6
800	NSYTVPSP8
1000	NSYTVPSP10

Universal accessories

Mounting components

Equipment support		Equipment support

Fixings for 19" racks

Fixed 19" trays

Telescopic 19" trays

Page	Page	Page
XX	XX	XX

Power-distribution

Cable-management plates

Current distribution	Modular distribution	19" cover plate	

19" distribution rail with or without protection

19" front plates for modular circuit breakers

19" cover plates
Painted steel: 1.5 mm

19" cover plates with ventilation louvres
Steel 1.5 mm

Page	Page	Page	Page
XX	XX	XX	XX

Universal accessories

Cable-management

Cable distribution	Cable management

1 U or 2 U 19" front panels with cable-gland openings

1 U 19" cable-gland front panels with brush gasket

1 U 19" front panels with insulating guides

1 U 19" front panels with metal guides or with cable ducting

Page	Page	Page	Page
XX	XX	XX	XX

Thermal-management

19" thermostats

1 U front panel with switch and thermostat

1 U front panel with digital thermostat

Monitoring system

Lighting	keyboard-mouse-screen drawer

Lamp to be fixed on 19"

Keyboard-mouse-screen drawer

Page	Page	Page	Page
XX	XX	XX	XX
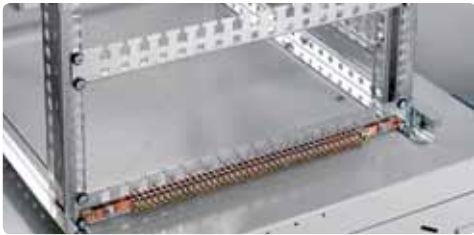
Earthing strip (Y)
- Two models available:
- – Insulated: 10 x 5 mm brass bar with 40 connection points by screws for lugs (screws not installed).
- – Non-insulated: stainless-steel bar ref. **NSYAEEC1UF**, connection by Faston lug 6.5 or by copper bar with caged terminal ref. **NSYAEEC1UN**.
- Fixing to the 19" rack or to the framework.
- Length: 480 mm.
- Delivered with fixings.
- Strip reference **NSYAEEC1UN** is equipped with caged terminal blocks.

NSYAEECS

NSYAEEC1UF

NSYAEEC1UN

Insulated	Reference
Yes	NSYAEECS
No	NSYAEEC1UF
No	NSYAEEC1UN
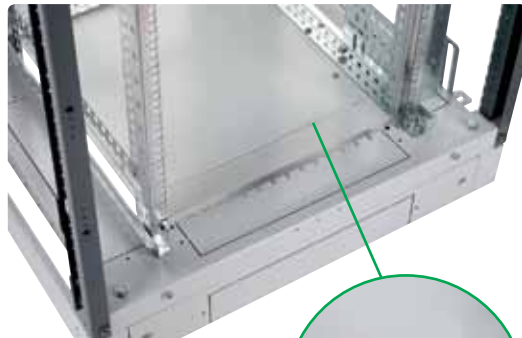
Earthing claws
- Batch of 100 pieces.
- Provides earthing continuity of the front panels and blanking plates.

Note: It is up to the installer to make sure earth continuity and the earth connections are guaranteed.

Reference
NSYAEEC100C

Earthing kit for Actassi OPB / VDC
- To earth all the covering components.

Reference
NSYCTOPB

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 IEC62208, 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.

Reference
NSYCTVDA

Universal accessories

Fixing components

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

PB500189

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	Reference
30	M6 screws + washers + nuts	NSYGFR95M63
50	M6 x 16 screws and washers	NSYGFR166P
100	M6 caged nuts	NSYCN9M625
50	M6 screws + washers + nuts	NSYGFR95M65
50	M5 screws + washers + nuts	NSYGFR95M55

Universal accessories
Shelves
(compatible only with floor standing enclosures)

Fixed perforated and plain 19" trays, 1 U
- 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 (page XX) and a guide reference **NSYGCA46** on the rear panel (page XX).

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)	**NSYBBF1U40P**	**NSYBBF1U40**
800-1000	458 (1)	**NSYBBF1U60P**	**NSYBBF1U60**
1000	658 (1)	**NSYBBF1U80P**	**NSYBBF1U80**

Rack depth (mm)	Fixing centre-to-centre distance (mm)	References of RAL 7016 perforated 19" trays
600-800-1000	258 (1)	**NSYBBF1U40PG**
800-1000	458 (1)	**NSYBBF1U60PG**
1000	658 (1)	**NSYBBF1U80PG**

(1) –100 ...+50 mm, adjustable in steps of 25 mm.
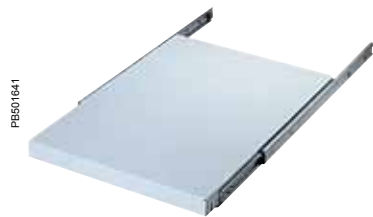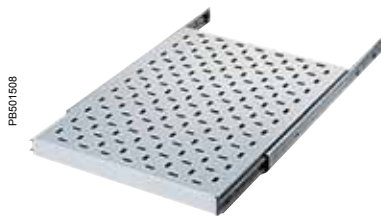
Telescopic perforated and plain 19" trays, 1 U
- Fixing by attachment without tools between the front and rear 19" uprights.
- Fixing on the telescopic slides supplied.
- Sheet steel, RAL 7035 or RAL 7016 grey paint.
- Acceptable load: 45 kg.
- Option of installing a handle reference **NSYASR3U** on the front panel (page XX) and a guide reference **NSYGCA46** on the rear panel (page XX).

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	**NSYBBT1U40P**	**NSYBBT1U40**
800-1000	458 (2)	NSYGT60	**NSYBBT1U60P**	**NSYBBT1U60**
1000	658 (2)	NSYGT80	**NSYBBT1U80P**	**NSYBBT1U80**

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)	**NSYGT40**	NSYBBT1U40PG
800-1000	458 (1)	**NSYGT60**	NSYBBT1U60PG
1000	658 (1)	**NSYGT80**	NSYBBT1U80PG

(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.

Reference
NSYASR3U

Universal accessories
Shelves
(compatible only with floor standing enclosures)

PB501646
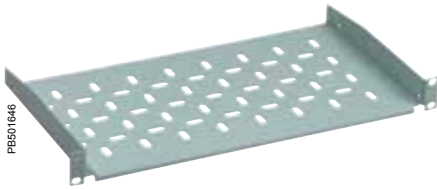
1 U fixed 19" tray
- Fixing to the front or rear uprights of the 19" rack.
- Heel of 5 mm.
- Sheet steel, RAL 7035 or RAL 7016 grey paint.
- Acceptable load: 1 U 15 kg - 2 U 20 kg.

Number of U	Depth (mm)	Load (kg)	Reference RAL 7035	Reference RAL 7016
2U	250	20	NSYBF2U25P	NSYBF2U25PG
2U	380	20	NSYBF2U40P	NSYBF2U40PG
1U	250	15	NSYBF1U25P	-

PB500190

2 U 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)	Reference RAL 7035	Reference RAL 7016
2U	250	5	NSYBT2U25P	NSYBT2U25PG

PB501647
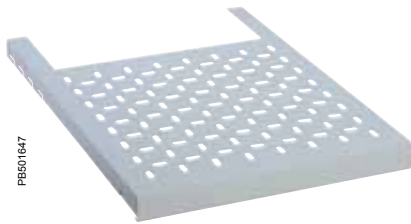
19" screen-support tray
(Compatible only with floor standing enclosures)
- Fixing by attachment without tools between the front and rear 19" uprights.
- Sheet steel, RAL 7035light grey paint.
- Delivered with all the necessary fixings.
- Acceptable load: 45 kg.

Rack depth (mm)	Reference
800-1000	NSYBSM80
1000	NSYBSM100

PB501648
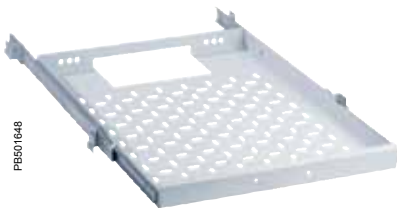
19" keyboard-support tray
(Compatible only with floor standing enclosures)
- Sheet steel, RAL 7035 light grey paint.
- Delivered with all the necessary fixings.
- Acceptable load: 45 kg.
- Fixing by attachment without tools between the front and rear 19" uprights.
- Fixing on the telescopic slides supplied.
- Optional installation of handle reference **NSYASR3U**.

Rack depth (mm)	Reference
800-1000	NSYBST80
1000	NSYBST100

Universal accessories
Shelves
(compatible only with floor standing enclosures)
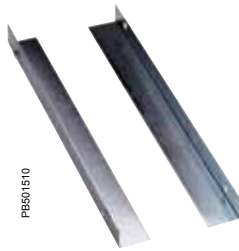
Fixed 19" slides
- Batch of 2 slides for the 19" hardware.
- Material: treated steel.
- Acceptable load: 60 kg.
- Heel 0 mm: Fixing by attachment between the front and rear 19" uprights.
- Heel +/- 5 mm: Fixing by screws between the front and rear 19" uprights; supplied with the slides.

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
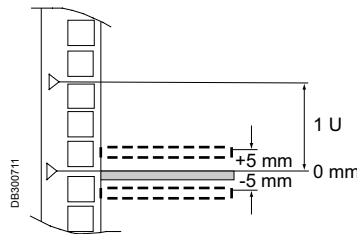
2 U partial fixed 19" slides
- Batch of 2 slides.
- Fixing by attachment on the front or rear 19" uprights.
- Material: treated steel.
- Acceptable load: 30 kg.

Number of U	Heel height (mm)	Reference
2U	0	NSYGB140
2U	+/–5	NSYGB140H5
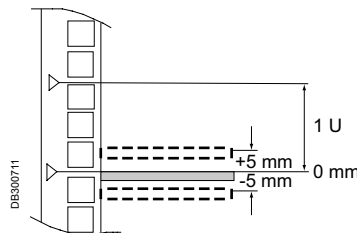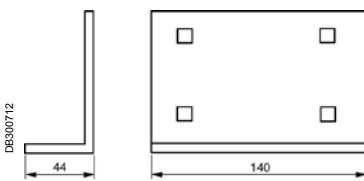
Full telescopic 19" slides
- Batch of 2 slides, for plain or perforated tray, guaranteeing a full pull-out.
- Fxing between the front and rear 19" uprights.
- Delivered with fixing accessories.

Rack depth (mm)	Fixing centre-to-centre distance (mm)	Reference
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.

Universal accessories
Equipment support
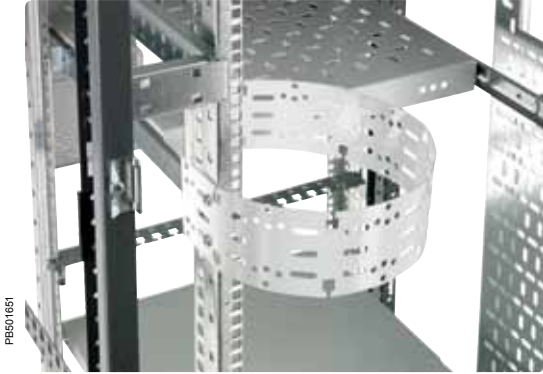
PB501651

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.

Reference
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.

Reference
NSYBTSCS

PB501653

Universal fixing plate
- Fixing to the 19" uprights or to the framework uprights for mounting accessories.
- Delivery by unit.

Reference
NSYEUVD

Universal accessories
Electrical power distribution rails
PDU´S

UTE - 16A/230V~ with pin-earthed outlets

- Sockets set at 35° with child protection
- Aluminium profile silver - heigh 1 U
- Material: fibreglass polyamide plastic with fire resistance to 850 °C.
- equipped with power cord (3G 1.5 mm2) type H05 VVF, equipped with a mould right angle plug with earthing contact system
- According to NFC61314, IEC60884 and NBNC61112-1 standards
- Could be used in : France, Belgium, Poland, Monaco, Slovakia, Czech Republic

Number of sockets	Width (mm)	Depth (mm)	Type	UTE
10" Adapted				
3 sockets outlets	10"	44	A	**NSYAPU10F3**
3 sockets outlets with recessed green led switch	10"	44	B	**NSYAPU10F3S**
19" Adapted				
9 sockets outlets	19"	44	A	**NSYAPU19F9**
8 sockets outlets with recessed green led switch	19"	44	B	**NSYAPU19F8S**
6 sockets outlets with Overvoltage protection 16A	19"	76	C	**NSYAPU19F6CB**
7 sockets outlets with Overvoltage protection 16A + frequency filters	19"	44	D	**NSYAPU19F7FA**
Vertical – 0U				
10 sockets outlets with recessed green led switch (D. 968 mm)	968	44	B	**NSYAPUF10S**

- 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, nominal frequency 400 Hz, attenuation 20 dB per decade.

Universal accessories
Electrical power distribution rails
PDU´S

VDE - 16A / 230V~ with side-earthed outlets

■ Sockets set at 35° with child protection
■ aluminium profile silver - heigh 1 U
■ Material: fibreglass polyamide plastic with fire resistance to 850 °C.
■ equipped with power cord (3G 1.5 mm2) type H05 VVF, equipped with a mould right angle plug with earthing contact system
■ According to DIN49 440, VDE0620-1, IEC60884 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

Number of sockets	Width (mm)	Depth (mm)	Type	VDE
10" Adapted				
3 sockets outlets	10"	44	A	**NSYAPU10S3**
3 sockets outlets with recessed green led switch	10"	44	B	**NSYAPU10S3S**
19" Adapted				
9 sockets outlets	19"	44	A	**NSYAPU19S9**
8 sockets outlets with recessed green led switch	19"	44	B	**NSYAPU19S8S**

■ 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, nominal frequency 400 Hz, attenuation 20 dB per decade.

PB500984

NSYAPUB

PB500985

NSYAPUBV

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	Reference
End of the rail	**NSYAPUB**
Orientation of 90°	**NSYAPUBV**

NSYCRTMR3UD

NSYCRTA4UD

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.

Number of U	References	
	RAL 7035 steel front panel	RAL 7016 steel front panel
3U	NSYCRTM3UD	NSYCRTM3UDG
4U	-	-

19" DIN rail
■ DIN rail for fixing on the front surface of the 19" uprights.
■ Delivery by unit.

Reference
NSYR19DN

Universal accessories
Cable management
(compatible only with floor standing enclosures)

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)	Reference
600-800-1000	350	258	**NSYTVP356**
600-800	550	458	**NSYTVP556**
800-1000	750	658	**NSYTVP756**

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.

Reference
NSYTVAR

NSYGCA1010

NSYGCA410

NSYGCA46
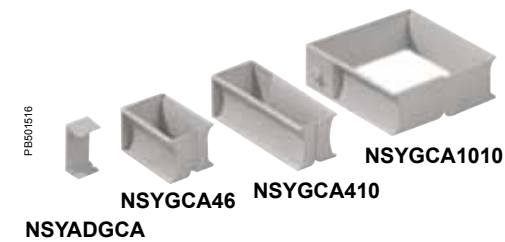
NSYADGCA

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)	Reference
40 x 60	**NSYGCA46**
40 x 100	**NSYGCA410**
100 x 100	**NSYGCA1010**

Reference of the intermediate support
NSYADGCA

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.
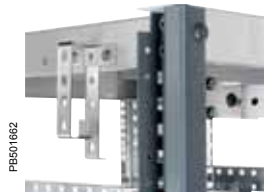
Description	Reference
100 x 100 guide	**NSYGC1010**
40 x 100 guide	**NSYGC410**

Universal accessories
Cable management
(compatible only with floor standing enclosures)
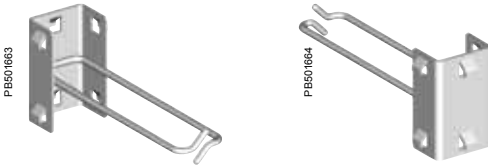
Wired guides
■ Batch of 10 wired guides.
■ Side mounting on the 19" uprights.
■ Material: treated steel.

Dimensions (mm)	Reference
24 x 130	NSYGCH213

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.

Reference
NSYGCP
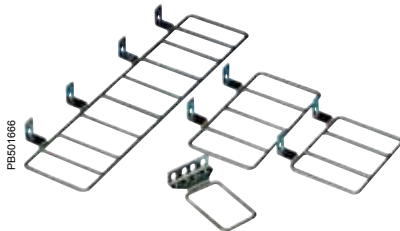
19" vertical cable guides
■ Fixing on the 19" uprights.
■ Material: nickel steel.
■ Delivery by unit.

Number of U	Depth (mm)	Reference
9U	120	NSYGC9U19
1.5U	120	NSYGC1US19

NSYACC2N

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.

Colour	Reference of 225 mm strips
Black	NSYACC2N

Colour	Reference of 5 m strips
Black	NSYACC50N

Colour	Reference of adhesive strap
Black	NSYACCA
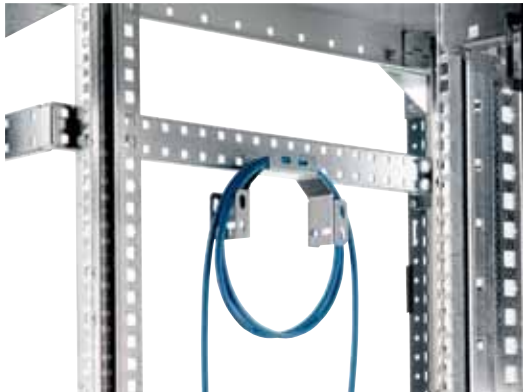
Support for the management of cable surplus
- Used for winding cable surplus.
- Delivered with the fixings required for installation.

Reference
NSYACGCS

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)	Reference
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

Universal accessories
Cable management

NSYCRTM1U32B

1 U 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	NSYCRTM1U40B	NSYCRTM1U40BG
3	2	NSYCRTM1U32B	-

2 U 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.

Reference
NSYCRTM2UC

1 U 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	RAL 7016 reference
NSYCRTM1U2	NSYCRTM1U2G

1 U 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.

Reference
NSYCRTM1UA2

NSYCRTM1U1P

1 U 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	NSYCRTM1U1P	NSYCRTM1U1PG
Without cable support at the rear	NSYCRTM1U1PS	-

1 U 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.

Reference
NSYCRTM1U5GCA

Schneider Electric

NSYCRTM2U3

PB501669

2 U 19" front panel with cable-gland
■ Fixing to the 19" rack.
■ Openings protected by a gasket.
■ Sheet steel, RAL 7035 light grey paint.

Reference
NSYCRTM2U3

PB501670

2 U 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.

Reference
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.

Reference
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	**NSYCRTM1U**	NSYCRTM1UG
2U	**NSYCRTM2U**	NSYCRTM2UG
3U	**NSYCRTM3U**	NSYCRTM3UG
4U	**NSYCRTM4U**	-
5U	**NSYCRTM5U**	-
6U	**NSYCRTM6U**	-
9U	**NSYCRTM9U**	-
10U	**NSYCRTM10U**	-
12U	**NSYCRTM12U**	-

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	Reference
1U	**NSYCRTMR1U**
3U	**NSYCRTMR3U**

Universal accessories
Thermal-management

1 U 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.

Reference RAL 7035	Reference RAL 7016
NSYCRTM1UVT	NSYCRTM1UVTG

1 U 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.

Reference
NSYCRTM1UVTD
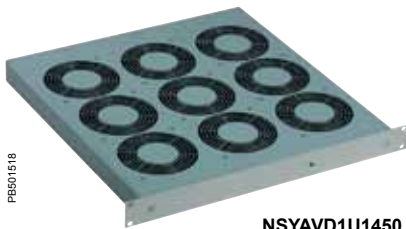
NSYAVD1U1450

1 U 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.

2 U 19" tangential fan
- Voltage: 220 V/50 Hz.
- Flow rate: 300 m³/h.
- Power: 37 W.
- Noise level: 53 dB (A).

Reference
NSYAVG2U300

19-E Universal accessories lighting

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		Reference
Multi-fixing lamp with socket	230 V	Schuko		**NSYLAMCS**
Multi-fixing lamp with socket	230 V	UTE		**NSYLAMCF**

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		Reference
				(mm)	(in)	
8 W	220 V	50-60 Hz	400 lm	213 x 20 3 36	12.17 x 0.78 x 1.40	**NSYLAM8T5**

Rack for VDI

1 U, 19" rack. For lamp installation in VDI enclosures.
Supplied with fixing elements.

Description	Reference
1 U 19" rack for lamp	**NSYLAM1U**

Schneider Electric

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.
.

Flexibility
Several types of side panels

Safety
Defined thermal management

Time-saving
Factory suite assemblies

Aesthetics
Colour

Mounting
Accessories mounted in our factories

Efficiency & ergonomics
Several types of doors

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

Specific

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 U	Size guide		Rack elements					
	Width (mm)	Depth (mm)	Framework	Side panels	Front door			
					Single (1)	Double (2)	Single door (1)	
24	600	600						
		800						
		1000						
	800	600						
		800						
		1000						
29	600	600						
		800						
		1000						
	800	600						
		800						
		1000						
33	600	600						
		800						
		1000						
	800	600						
		800						
		1000						
38	600	600						
		800						
		1000						
	800	600						
		800						
		1000						
42	600	600						
		800						
		1000						
	800	600						
		800						
		1000						
47	600	600						
		800						
		1000						
	800	600						
		800						
		1000						

Framework

A1 — With cut-out entries
PB501547

A4 — Without cut-out entries
PB501547

A5 — With cut-out entries on the top frame, rigidity of 500 kg
PB501547

A6 — Without cut-out entries on the top frame, rigidity of 500 kg
PB501547

Side panels

Plastic obturator
B1 / B2 — With louvres / Without louvres
PB501548

Brush gasket
B4 / B5
PB501548

Lateral panels with louvres, thickness 50 mm
B3 / B6 — Plastic obturator / Brush gasket
PB501548

Panel lock kit
D1
PB501549

Coupling kit
R1
PB501498

Front door

Single (1):
C1 / C5 — Plain — PB501551
C2 / C6 — Glazed — PB501553
C9 / C10 — Microperforated — PB501555

Double (2):
C8 — Plain — PB501552
C7 — Glazed — PB501554
C11 — Microperforated — PB501552

Single door (1):
D1 / D11 — Plain — PB501551
D5 / D12 — Glazed — PB501553
D8 / D9 — Microperforated — PB501555

D2 — Partial with plain panel — PB501557
D3 — Partial with cut-out panel — PB501557

(1) In red: doors with 2-point closure
(2) In blue: double doors with 3-point closure

V1		V2
	Rear	
	Door opening direction	
	Front	
U1		U2

S		T
1	RAL 7035	1
2	RAL 5015	2
3	RAL 3003	3
4	RAL 9001	4
5	RAL 7011	5
6	RAL 1021	6
7	RAL 9011	7
	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.

☐ Order   ☑ Estimate

Your ref. ....

Configure your rack

Number of identical racks required: 2

Nº U	Width	Depth	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	T	V	W	X	Y	Z
29	600	800					2		1		1	3	2								5	6					

Company . . . . Name . . . .
Address . . . . Telephone . . . .
Postcode - Town. . . . . Fax. . . . .
Photocopy this form and fax it to your sales office . . . . E-mail . . . .

Easy
Please specify the dimensions of the required rack.

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.
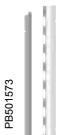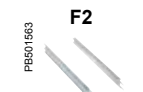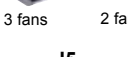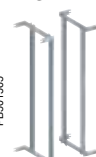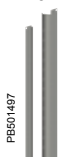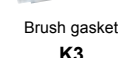
Choice
Your choice of colours.
Example: grey uprights and yellow cladding.

Rack elements

Rear		Rear panel	Roof plate	Plinth	19" upright	Escutcheon	Top blanking plate
	Double door (2)						

D6 PB501552 Plain
D7 PB501554 Glazed
D10 PB501552 Microperforated

D4 PB501558 Plain

Rear extension kit, 100 mm thick
D20 PB501495

Panel earthing
Z3 PB500217

E1 PB501559 Plain
E2 PB501560 Brush gasket
E3 PB501561 Perforated

Roof stand-offs
Q1 PB500683

F1 PB501562
F2 PB501563 Anti-tilt

Base accessories
M1 PB501446 Levelling feet
M2 PB501499 Anti-vibration feet
M3 PB501501 Wheels
M4 PB501550 Foot-wheels adaptation kit

G1 PB501564 Front
G2 PB501565 Front and rear

Partial 19" uprights
G3 PB501566 12 U partial front
G4 PB501567 12 U partial front and rear

H2 PB501573 Cable gland width 800 mm
H3 PB501497 Of the structure

J2 PB501568 Plain / **J1** Brush gasket
J3 PB501569 3 fans / **J4** 2 fans
J5 PB501570 Ventilation louvres

Bottom blanking plate
K2 PB501568 / **K1** Brush gasket
K3 PB501570 Ventilation louvres

Rear blanking plate
L1 PB501571 Brush gasket
L2 PB501569 3 fans / **L3** 2 fans
L4 PB501570 Ventilation louvres

Non-mounted accessories description	Reference	Amount
1 U 19" front plate	NSYCRTM1U32B	2
5 U front panel	NSYCRTM5U	1
1 U fixed shelf	NSYBBF1U40	2
2 U adjustable support	NSYCRTM2US	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

Schneider Electric
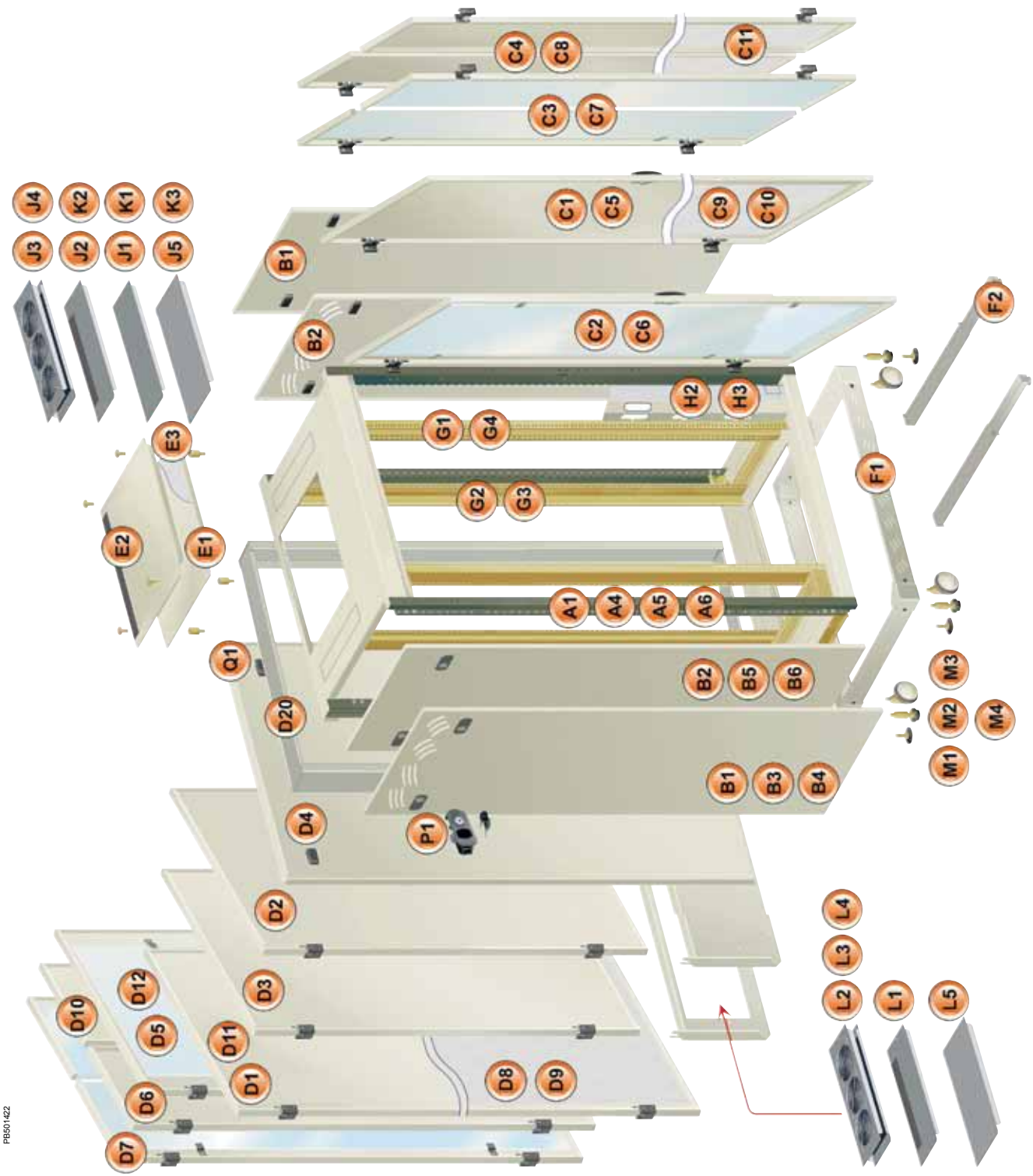
Elements of a rack

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
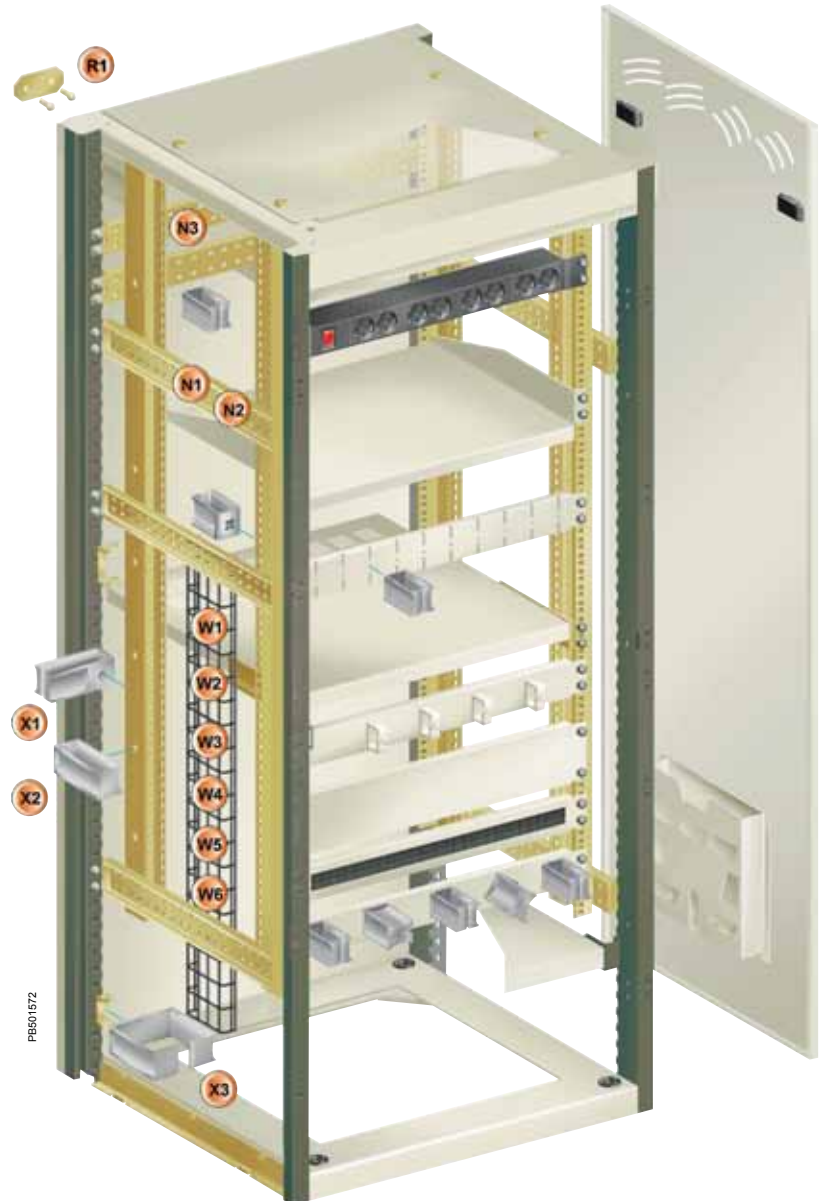
PB501572

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 6 U panel
	D3	Partial rear door with cut-out 6 U 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	12 U partial 19" uprights
G4	Front/rear 12 U 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 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

**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.

**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

**19" enclosure – Depth
400mm**
19" enclosure with a very
limited depth (Depth
400mm) for cabling
application.
Required by the customer
to reduce the size of the
installation.

**Wall-mounting
enclosure –
Depth 1000 mm**
Enclosure totally
customized with the
customer requirements.
12U – Width 600mm and
Depth 1000mm.

**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.

Technical information

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.
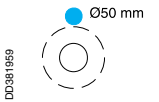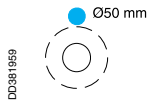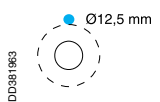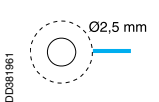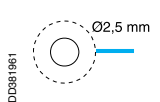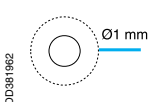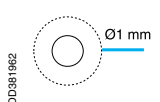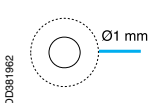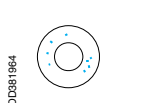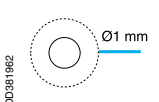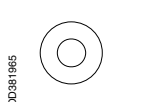
IP code
Standard IEC 60529 (IP code, February 2001) indicates the degrees of protection provided by an enclosure for electrical devices against access to hazardous parts, against penetration of solid foreign objects and against penetration of water.
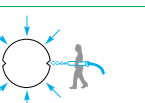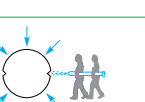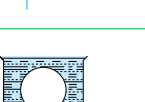These standards do not apply for the protection against the risks of explosion or conditions such a humidity, corrosive vapour, fungus or vermin.
The IP code is made up of two characteristic numerals and can include an additional letter when the actual protection for persons against access to the hazardous 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.
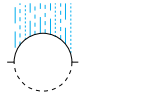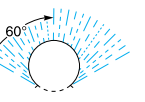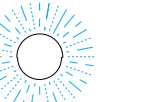
1st numeral 2nd numeral Protection of persons	Protection against ingress of solid objects
1 1 Protected against access with back of hand — Ø50 mm	Protection against solid foreign objects larger than 50 mm — Ø50 mm
2 Protected against access with a finger — Ø12 mm	Protection against solid foreign objects larger than 12.5 mm — Ø12,5 mm
3 Protected against access with a tool — Ø2,5 mm	Protection against solid foreign objects larger than 2.5 mm — Ø2,5 mm
4 Protected against access with a wire — Ø1 mm	Protection against solid foreign objects larger than 1 mm — Ø1 mm
5 Protected against access with a wire — Ø1 mm	Protected against dust (dust protected)
6 Protected against access with a wire — Ø1 mm	Dust tight

2nd numeral Protection against ingress of water
1 Protected against vertically dripping water (condensation)
2 Protected against dripping water up to 15° from vertical
3 Protected against spraying water up to 60° from vertical
4 Protected against splashing water from all directions
5 Protected against water jets from all directions
6 Protected against powerful water jets from all directions
7 Protected against the effects of temporary immersion in water
8 Protected against the effects of continuous immersion in water

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.

	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

As standards, specifications and designs change from time to time, please ask for confirmation of the information given in this publication.

*This document has been printed
on ecological paper*

March-2013