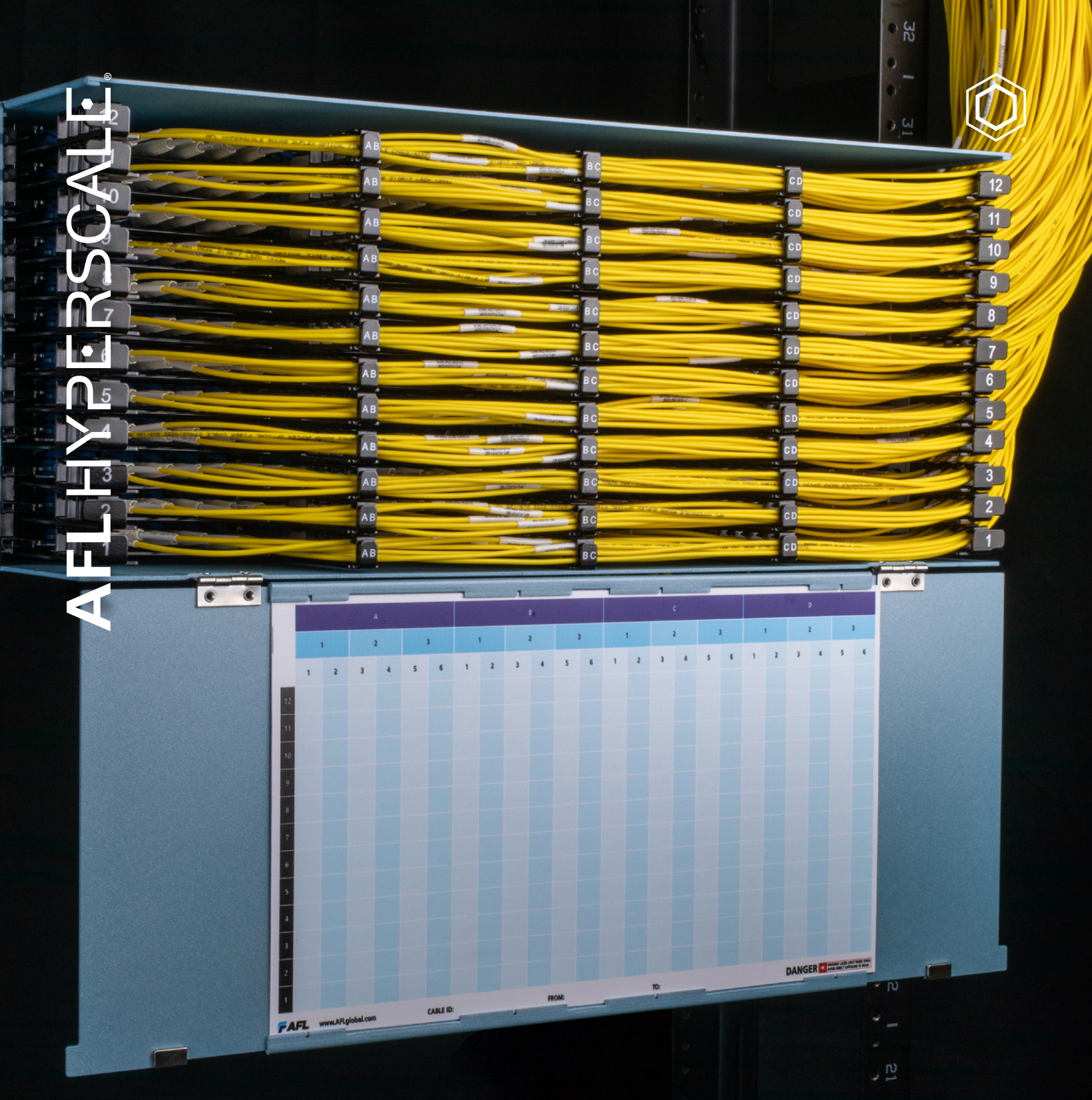AFL HYPERSCALE ®

ASCEND®

A High-Speed, High-Density, High-Performance Fiber Connectivity Platform for Data Centers

Ordering Guide

Contents

ASCEND

Taking Your Data Center Network To New Heights

The ASCEND® platform is a modular, high-density, assembly and rack-mount solution designed for data centers, central offices, head-ends, and structured cabling networks. Whether supporting incremental growth or a full-scale deployment, our ASCEND solution delivers optimal fiber performance, in an easy-to-use, scalable platform.

This solution enables you to utilize high-capacity housings, easy-to-install cassettes, and high-performance assemblies to grow at the pace your business requires. Factory terminated and pre-tested components facilitate immediate plug-and-play deployment, reducing installation times by up to 75% while seamlessly paving the way for clear migration paths from 40GB/s to 400Gb/s and beyond.

We offer some of the best lead times globally for high-performance, custom pre-terminated assemblies with a 25-year network warranty (subject to terms and conditions) on installed networks.

AFL Hyperscale, your data center cabling and connectivity Partner

Fast Growing Networks

Scalable modular connectivity solutions that enable you to grow your fiber network quickly when your business needs it.

Simplified Design

New Polarity F Cassettes simplify every step of the process from design, to installation, to testing.

Projects Delivered On Time

Stock available across the globe, short lead times on customizable assemblies, and a full range of products that support rapid installations.

Experts In Quality

Our innovative technologies and high-quality products are developed with customer success at the heart.

www.aflhyperscale.com/solutions/network/modularconnectivity/ascend/

Ordering Process

3 Simple Steps to Plan Your High-Performance Network

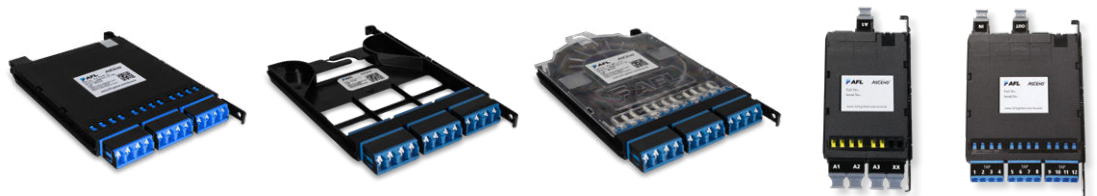## Select Your **Housing**

Choose from 1RU, 2RU, or 4RU ASCEND housings.

Choose Your **Cassettes**

Select the cassettes you require from our range of ASCEND MPO Fanout Cassettes, Patch Cassettes, Splice Cassettes, Conversion Cassettes, and Tap Cassettes.

Pick Your **Assemblies**

Select the assemblies you need from our range of pre-terminated trunk cables, and fiber patch cords.

ASCEND

Select Your Housing

ASCEND® Housings

Product Overview

Designed to support incremental growth or a full-scale deployment, ASCEND® housings provide the ultimate experience in ease-of-use and fiber management within data center and enterprise applications. Compatible with a wide range of ASCEND cassettes, this modular tray-based connectivity solution gives you the most flexible approach to building a high-density network with up to 288 LC ports (576 fibers) utilizing LC duplex in 4RU of space.

Features

Front and Rear Cable Management
- Front loading trays, cassettes can be installed from front or rear of housing
- Rear management area accommodates ASCEND trunk cable assemblies, equipped with an integrated mounting clip
- Easy access for efficient cable loading and patching
- Run assemblies to the left or right of the housing depending on where you need to connect
- Front and rear doors are both hinged at the bottom

Easy Moves, Adds, and Changes (MACs)
- Trays can slide and lock in position for simplified patching
- Integrated routing rings on front of trays for each cassette
- Interchangeable cassette options for multiple applications

Customizable Labeling
- Effective identification for network maintenance, upgrades, and troubleshooting

Technical Specifications

Unit Height	1RU	2RU	4RU
	Up to 3 Trays	**Up to 6 Trays**	**Up to 12 Trays**
Capacity	Maximum density of up to: Cassettes: 18 x Base-8 Cassettes (6 per tray) 12 x Base-12 Cassettes (4 per tray) 6 x Base-24 Cassettes (2 per tray) LC: 72 ports (144 fibers) MPO: 72 ports (864 fibers)	Maximum density of up to: Cassettes: 36 x Base-8 Cassettes (6 per tray) 24 x Base-12 Cassettes (4 per tray) 12 x Base-24 Cassettes (2 per tray) LC: 144 ports (288 fibers) MPO: 144 ports (1728 fibers)	Maximum density of up to: Cassettes: 72 x Base-8 Cassettes (6 per tray) 48 x Base-12 Cassettes (4 per tray) 24 x Base-24 Cassettes (2 per tray) LC: 288 ports (576 fibers) MPO: 288 ports (3456 fibers)
Product Dimensions	Height: 44.5mm (1.75 inches) Width: 502mm (19 inches) Depth: 438mm (17.2 inches)	Height: 89mm (3.5 inches) Width: 502mm (19 inches) Depth: 438mm (17.2 inches)	Height: 178mm (7 inches) Width: 502mm (19 inches) Depth: 438mm (17.2 inches)
Weight	Product weight: 7.5kg Packaged weight: 10.8kg	Product weight: 12kg Packaged weight: 13.6kg	Product weight: 15.7kg Packaged weight: 20.66kg
Materials	ABS, GA Galvannealed Sheet Steel per ASTM A653	ABS, GA Galvannealed Sheet Steel per ASTM A653	ABS, GA Galvannealed Sheet Steel per ASTM A653
Materials compliant to	RoHS, Reach / SVHC, UL 94V-0	RoHS, Reach / SVHC, UL 94V-0	RoHS, Reach / SVHC, UL 94V-0
Regional Availability	Global	Global	Global

Ordering Information

Description	Part Number
AFL ASCEND® 1RU Housing, Base-8 Trays	**ASCEND-1RU-8-RT**
AFL ASCEND® 2RU Housing, Base-8 Trays	**ASCEND-2RU-8-RT**
AFL ASCEND® 4RU Housing, Base-8 Trays	**ASCEND-4RU-8-RT**
AFL ASCEND® 1RU Housing, Base-12 Trays	**ASCEND-1RU-12-RT**
AFL ASCEND® 2RU Housing, Base-12 Trays	**ASCEND-2RU-12-RT**
AFL ASCEND® 4RU Housing, Base-12 Trays	**ASCEND-4RU-12-RT**

Choose Your Cassette

ASCEND® MPO Fanout Cassettes

Product Overview

ASCEND® MPO Fanout Cassettes are a pre-terminated plug-and-play solution designed to support incremental growth or a full-scale deployment in data center and enterprise applications. These cassettes are offered in a range of configurations and are compatible with all standard ASCEND housings. They can be independently installed from the front or rear onto a sliding tray system which allows access to individual connections while minimizing disruption to other fiber connections.

Features

High-Density MPO to LC Cassettes
- Base-8, Base-12, and Base-24 options available
- Up to 6 LC ports (12 fibers) per cassette
- Multi-mode and Single mode cassette options available

Shuttered LC Adapters
- Greener solution by eliminating adapter dust caps
- Provide automatic laser eye safety
- Easy fault detection when using a Visual Fault Locator (VFL)
- Facilitate faster patching

Low Loss Enabled by Fujikura MT Ferrule
- Ensures maximum reliability and mechanical performance

Polarity F
- Polarity managed in the cassette-Same cassette orientation can be used at both ends of a link

Easy Moves, Adds, and Changes (MACs)
- Trays can slide and lock in a position for simplified patching
- Cassettes can be installed independently from front or rear of housing

Technical Specifications

Fiber Types	SM, OM3, OM4
Fiber Counts Available	12 LC ports (24 fiber), 6 LC ports (12 fiber), 4 LC ports (8 fiber)
Polarity Mapping Available	Polarity F (Polarity A is available on request)
Adapter Types	MPO (Male) to LC Shuttered Adapters
Cassette Material	ABS, 304 Steel
Cassette Color	Black
Cassette Dimensions (Base-12)	Height: 11mm (0.4 inches) Width: 94mm (3.7 inches) Depth: 156mm (6.1 inches)
Package Dimensions	Height: 12mm (0.5 inches) Width: 127mm (5 inches) Depth: 183mm (7.2 inches)
Weight	Product weight: 0.2kg Packaged weight: 0.3kg
Materials Compliant	RoHS, Reach/SVHC, UL 94V-0
Regional Availability	Global

Ordering Information

Description		Part Number
Base-8	AFL ASCEND® Fanout Cassette, 8 Fiber, SM, MPO (Male) Base-8 to LC (Blue), Polarity F	A8-FC-M1-LU
	AFL ASCEND® Fanout Cassette, 8 Fiber, OM4 MPO (Male) Base-8 to LC (Aqua), Polarity F	A8-FC-M1-L4
Base-12	AFL ASCEND® Fanout Cassette, 12 Fiber, SM, MPO (Male) Base-12 to LC (Blue), Polarity F	A12-FC-M1-LU
	AFL ASCEND® Fanout Cassette, 12 Fiber, OM4, MPO (Male) Base-12 to LC (Aqua), Polarity F	A12-FC-M1-L4

ASCEND

Choose Your Cassette

ASCEND® Patch Cassettes

Product Overview

ASCEND® Patch Cassettes can be used to interconnect MPO trunk assemblies, patch cords, or MPO fanouts, utilizing less rack space in order to improve network economics. These cassettes are offered in a range of configurations and are compatible with all standard ASCEND housings. This solution enables easy front and rear access to adapters for simplified cross connection in data center and enterprise applications.

Features

High-Density MPO and LC Patch Cassettes
- Up to 6 MPO ports per cassette
- -Up to 6 LC ports (12 fibers) per cassette

Shuttered LC Adapters
- Greener solution by eliminating adapter dust caps
- Provide automatic laser eye safety
- Easy fault detection when using a Visual Fault Locator (VFL)
- Facilitate faster patching

Technical Specifications

Fiber Types	SM, MM
Fiber Counts Available	6 LC ports (12 fiber), 4 LC ports (8 fiber) 6 or 4 MPO ports
Adapter Types	LC Shuttered MPO
Cassette Material	ABS, 304 Steel
Cassette Color	Black
Cassette Dimensions (Base-12)	Height: 11mm (0.4 inches) Width: 94mm (3.7 inches) Depth: 156mm (6.1 inches)
Package Dimensions	Height: 12mm (0.5 inches) Width: 127mm (5 inches) Depth: 183mm (7.2 inches)
Materials Compliant	RoHS, Reach/SVHC, UL 94V-0
Regional Availability	Global

Ordering Information

Description		Part Number
Base-8	AFL ASCEND® Patch Cassette, 4 Port, MPO Base-8, Key Up/Down	**A8-PC-M1**
	AFL ASCEND® Patch Cassette, 8 Fiber, OM4, LC (Aqua)	**A8-PC-L4**
	AFL ASCEND® Patch Cassette, 8 Fiber, SM, LC (Blue)	**A8-PC-LU**
Base-12	AFL ASCEND® Patch Cassette, 6 Port, MPO Base-12, Key Up/Down	**A12-PC-M1**
	AFL ASCEND® Patch Cassette, 12 Fiber, OM4, LC (Aqua)	**A12-PC-L4**
	AFL ASCEND® Patch Cassette, 12 Fiber, SM, LC (Blue)	**A12-PC-LU**

ASCEND

Choose Your Cassette

ASCEND® Splice Cassettes

Product Overview

ASCEND® Splice Cassettes are ideal for dynamic, ever-changing data center and enterprise networks. This solution facilitates faster field splicing with 250-micron pre-terminated single fiber pigtails or one SpiderWeb Ribbon® (SWR®) pigtail. These Splice Cassettes leverage a snap-in splice sleeve cradle to securely manage both single and ribbon fiber arrangements. They can be independently installed from the front or rear onto a sliding tray system, enabling easy Moves, Adds, and Changes (MACs) while allowing you to work away from the rack.

Features

- **Pre-Loaded with Pigtails and Pre-Routed**
- 250-micron single fiber pigtails can be spliced to loose tube or MicroCables
- SpiderWeb®Ribbon pigtail can be spliced to ISP, ISP/OSP cables, and other ribbon fiber cables

High-Density
- Up to 6 LC ports (12 fibers) with LC
- Single fiber or ribbon fiber mass fusion splicing

Shuttered LC Adapters
- Greener solution by eliminating adapter dust caps
- Provide automatic laser eye safety
- Easy fault detection when using a Visual Fault Locator (VFL)
- Facilitate faster patching

Technical Specifications

	Single Fiber Splice Cassette	Ribbon Fiber Mass Fusion Splice Cassette
Fiber Types	SM, OM4	SM
Fiber Counts Available	**6 LC ports (12 fiber)**	6 LC ports (12 fiber)
Adapter Types	LC	LC
Cassette Material	ABS, CR4 Steel	ABS, CR4 Steel
Cassette Colour	Black	Black
Product Dimensions	Height: 11mm (0.4 inches) Width: 93mm (3.7 inches) Depth: 165mm (6.5 inches)	Height: 11mm (0.4 inches) Width: 93mm (3.7 inches) Depth: 165mm (6.5 inches)
Package Dimensions	Height: 12mm (0.5 inches) Width: 114mm (4.5 inches) Depth: 254mm (10 inches)	Height: 12mm (0.5 inches) Width: 114mm (4.5 inches) Depth: 254mm (10 inches)
Materials Compliant	RoHS, Reach/SVHC, UL 94V-0	RoHS, Reach/SVHC, UL 94V-0
Regional Availability	Global	Global

Ordering Information

Description	Part Number
AFL ASCEND® Splice Cassette, 12 Fiber, SM, LC (Blue) Pre-Loaded With Premium Easy-Strip Pigtails	**A12-SPC-LU-S**
AFL ASCEND® Splice Cassette, 12 Fiber, OM4, LC (Aqua) Loaded With Premium Easy-Strip Pigtails	**A12-SPC-L4-S**
AFL ASCEND® Splice Cassette, 12 Fiber, SM, LC (Blue) Pre-Loaded With Premium Ribbon Pigtails	**A12-SPC-LU-R**

ASCEND

Choose Your Cassette

ASCEND® Conversion Cassettes

Product Overview

AFL's Conversion Cassettes provide an effective solution to transition from one Base platform to another in data center and enterprise applications. The cassettes fully utilize each fiber in a Base-12 or Base-24 array by breaking out the MPO adapters at the rear of the cassette into a corresponding number of Base-8 adapters at the front.

Features

Multiple Transition Options
- Accommodates 12 or 24 fiber MPO connections at the rear of the cassette and effectively transitions to 8 fiber MTP/ MPO connections at the front of the cassette

Easy Moves, Adds, and Changes (MACs)
- Trays can slide and lock in a position for simplified patching
- Cassettes can be installed independently from the front or rear of housing

Technical Specifications

Fiber Types	SM, OM3, OM4
Conversion Types	1 x Base-24 to 3 x Base-8, 2 x Base-12 to 3 x Base-8, 4 x Base-12 to 6 x Base-8
Adapter Types	MPO (Male)
Cassette Material	ABS, 304 Steel
Cassette Color	Black
Cassette Dimensions	Height: 11mm (0.4 inches) Width: 94mm (3.7 inches) Depth: 156mm (6.1 inches)
Package Dimensions	Height: 12mm (0.5 inches) Width: 127mm (5.0 inches) Depth: 183mm (7.2 inches)
Materials Compliant	RoHS, Reach/SVHC, UL 94V-0

Ordering Information

Description		Part Number
Base–24 to Base-8 Conversion Cassettes **Base-8**	AFL ASCEND® Conversion Cassette, Base-8, 24x1 MPO Rear, 8x3 MPO Front, 1 Circuit, SM	**A8-CC-24X1-8X3-1-1**
	AFL ASCEND® Conversion Cassette, Base-8, 24x1 MPO Rear, 8x3 MPO Front, 1 Circuit, OM3	**A8-CC-24X1-8X3-1-3**
	AFL ASCEND® Conversion Cassette, Base-8, 24x1 MPO Rear, 8x3 MPO Front, 1 Circuit, OM4	**A8-CC-24X1-8X3-1-4**
Base–12 to Base-8 Conversion Cassettes **Base-12**	AFL ASCEND® Conversion Cassette, Base-12, 12x2 MPO Rear, 8x3 MPO Front, 1 Circuit, SM	**A12-CC-12X2-8X3-1-1**
	AFL ASCEND® Conversion Cassette, Base-12, 12X2 MPO Rear, 8x3 MPO Front, 1 Circuit, OM3	**A12-CC-12X2-8X3-1-3**
	AFL ASCEND® Conversion Cassette, Base-12, 12X2 MPO Rear, 8x3 MPO Front, 1 Circuit, OM4	**A12-CC-12X2-8X3-1-4**
	AFL ASCEND® Conversion Cassette, Base-12, 12X2 MPO Rear, 8x3 MPO Front, 2 Circuit, SM	**A12-CC-12X2-8X3-2-1**
	AFL ASCEND® Conversion Cassette, Base-12, 12x2 MPO Rear, 8x3 MPO Front, 2 Circuit, OM3	**A12-CC-12X2-8X3-2-3**
	AFL ASCEND® Conversion Cassette, Base-12, 12x2 MPO Rear, 8x3 MPO Front, 2 Circuit, OM4	**A12-CC-12X2-8X3-2-4**

ASCEND

Choose Your Cassette

ASCEND® Tap Cassettes

Product Overview

High demands placed on modern fiber optic networks require effective monitoring to maintain optimal performance and troubleshoot system security or other signal issues. AFL's ASCEND® Tap Cassettes enable access points for monitoring live traffic signals in any fiber optic network. Available with a variety of options to accommodate different split ratios for tap/pass thru and input/ output configurations, it is quick and easy to tap and route network signals for many data center and enterprise applications.

Features

- **Multiple Split Ratios**
- Available with 50/50 and 30/70 Split Ratios to accommodate various Tap/ Pass Thru requirements

Shuttered Adapters
- Greener solution by eliminating adapter dust caps
- Provide automatic laser eye safety
- Easy fault detection when using a Visual Fault Locator (VFL)
- Facilitate faster patching

Easy Moves, Adds, and Changes (MACs)
- Trays can slide and lock in a position for simplified patching
- Cassettes can be installed independently from the front or rear of housing

Technical Specifications

Fiber Types	SM, OM3, OM4
Fiber Counts Available	12 LC ports (24 fiber), 6 LC ports (12 fiber), 4 LC ports (8 fiber)
Adapter Types	MPO (Male), LC Shuttered
Cassette Material	ABS, 304 Steel
Cassette Color	Black
Cassette Dimensions	Height: 11mm (0.4 inches) Width: 94mm (3.7 inches) Depth: 156mm (6.1 inches)
Package Dimensions	Height: 12mm (0.5 inches) Width: 127mm (5.0 inches) Depth: 183mm (7.2 inches)
Materials Compliant	RoHS, Reach/SVHC, UL 94V-0
Regional Avilability	Global

Ordering Information

Description		Part Number
50/50 (Tap/Pass Thru) Split Ratio Configurations **Base-8**	AFL ASCEND® Tap Cassette, Base-8, SM, MTP Front, MTP Rear, 50% Tap Split, Single	A8-TC-1-1-XXX-50-1
	AFL ASCEND® Tap Cassette, Base-8, SM, LC/UPC Front, MTP Rear, 50% Tap Split, Single	A8-TC-1-2-ULC-50-1
	AFL ASCEND® Tap Cassette, Base-8, SM, LC/APC Front, MTP Rear, 50% Tap Split, Single	A8-TC-1-2-ALC-50-1
	AFL ASCEND® Tap Cassette, Base-8, SM, LC/UPC Front, 50% Tap Split, Single	A8-TC-1-3-ULC-50-1
	AFL ASCEND® Tap Cassette, Base-8, SM, LC/APC Front, 50% Tap Split, Single	A8-TC-1-3-ALC-50-1
	AFL ASCEND® Tap Cassette, Base-8, MM, MTP Front, MTP Rear, 50% Tap Split, Single	A8-TC-4-1-XXX-50-1
	AFL ASCEND® Tap Cassette, Base-8, MM, LC/PC Front, MTP Rear, 50% Tap Split, Single	A8-TC-4-2-PLC-50-1
50/50 (Tap/Pass Thru) Split Ratio Configurations **Base-12**	AFL ASCEND® Tap Cassette, Base-8, MM, LC/PC Front, 50% Tap Split, Single	A8-TC-4-3-PLC-50-1
	AFL ASCEND® Tap Cassette, Base-12, SM, MTP Front, MTP Rear, 50% Tap Split, Single	A12-TC-1-1-XXX-50-1
	AFL ASCEND® Tap Cassette, Base-12, SM, LC/UPC Front, MTP Rear, 50% Tap Split, Single	A12-TC-1-2-ULC-50-1
	AFL ASCEND® Tap Cassette, Base-12, SM, LC/APC Front, MTP Rear, 50% Tap Split, Single	A12-TC-1-2-ALC-50-1
	AFL ASCEND® Tap Cassette, Base-12, SM, LC/UPC Front, 50% Tap Split, Single	A12-TC-1-3-ULC-50-1
	AFL ASCEND® Tap Cassette, Base-12, SM, LC/APC Front, 50% Tap Split, Single	A12-TC-1-3-ALC-50-1
	AFL ASCEND® Tap Cassette, Base-12, MM, MTP Front, MTP Rear, 50% Tap Split, Single	A12-TC-4-1-XXX-50-1
	AFL ASCEND® Tap Cassette, Base-12, MM, LC/PC Front, MTP Rear, 50% Tap Split, Single	A12-TC-4-2-PLC-50-1
	AFL ASCEND® Tap Cassette, Base-12, MM, LC/PC Front, 50% Tap Split, Single	A12-TC-4-3-PLC-50-1

ASCEND

Pick Your Assemblies

ASCEND® MPO Trunk Assemblies

Product Overview

ASCEND® MPO trunk assemblies provide a high-performance plug-and-play solution for data center and enterprise applications where space is limited. The small-diameter MicroCore® provides higher tolerance to bends during and after installation, which requires less space in cable trays, raceways, ducts and conduits. This also enables more efficient airflow in congested, high density cabling applications.

Features

MPO Interface
- MPO components feature superior optical and mechanical properties
- Female and Male MPO connectors available
- Base-8, Base-12, and Base-24 connectors available
- Polarity options available

Premium Performance Enabled by MTP® PRO and MTP® Elite
- Low loss Premium MPO connectors and fiber assures low insertion losses and power penalties in tight power budget high-speed network environments
- MTP® PRO multimode connectors include field-reversible polarity and gender

Trunk Cable Designed for Ease of Installation
- Reduced diameter MicroCore® cable with 2.0 mm subunits (up to 144 fibers)
- Integrated Outback Clip mates directly with the trunk cable management area in the rear of all ASCEND housings
- Pulling eye option available
- Pre-defined breakout length eliminates design guesswork

Featured Part Numbers

Description		Part Number
Base-8	AFL ASCEND® 24 Fiber OM4 indoor CPR MTP (Female) to MTP (Female) Base-8 Trunk W/ Pulling Grip, XXXXM	**MF-MF-GE-024-C-XXXXM-P-F-RS**
	AFL ASCEND® 24 Fiber SM indoor CPR MTP (Female) to MTP (Female) Base-8 Trunk W/ Pulling Grip, XXXXM	**EF-EF-GE-024-Q-XXXXM-P-F-RS**
	AFL ASCEND® 48 Fiber OM4 indoor CPR MTP (Female) to MTP (Female) Base-8 Trunk W/ Pulling Grip, XXXXM	**MF-MF-GE-048-C-XXXXM-P-F-RS**
	AFL ASCEND® 48 Fiber SM indoor CPR MTP (Female) to MTP (Female) Base-8 Trunk W/ Pulling Grip, XXXXM	**EF-EF-GE-048-Q-XXXXM-P-F-RS**
	AFL ASCEND® 96 Fiber OM4 indoor CPR MTP (Female) to MTP (Female) Base-8 Trunk W/ Pulling Grip, XXXXM	**MF-MF-GE-096-C-XXXXM-P-F-RS**
	AFL ASCEND® 96 Fiber SM indoor CPR MTP (Female) to MTP (Female) Base-8 Trunk W/ Pulling Grip, XXXXM	**EF-EF-GE-096-Q-XXXXM-P-F-RS**
	AFL ASCEND® 144 Fiber OM4 indoor CPR MTP (Female) to MTP (Female) Base-8 Trunk W/ Pulling Grip, XXXXM	**MF-MF-GE-144-C-XXXXM-P-F-RS**
	AFL ASCEND® 144 Fiber SM indoor CPR MTP (Female) to MTP (Female) Base-8 Trunk W/ Pulling Grip, XXXXM	**EF-EF-GE-144-Q-XXXXM-P-F-RS**
Base-12	AFL ASCEND® 24 Fiber OM4 indoor CPR MTP (Female) to MTP (Female) Base-12 Trunk W/ Pulling Grip, XXXXM	**PF-PF-GE-024-C-XXXXM-P-F-RS**
	AFL ASCEND® 24 Fiber SM indoor CPR MTP (Female) to MTP (Female) Base-12 Trunk W/ Pulling Grip, XXXXM	**TF-TF-GE-024-Q-XXXXM-P-F-RS**
	AFL ASCEND® 48 Fiber OM4 indoor CPR MTP (Female) to MTP (Female) Base-12 Trunk W/ Pulling Grip, XXXXM	**PF-PF-GE-048-C-XXXXM-P-F-RS**
	AFL ASCEND® 48 Fiber SM indoor CPR MTP (Female) to MTP (Female) Base-12 Trunk W/ Pulling Grip, XXXXM	**TF-TF-GE-048-Q-XXXXM-P-F-RS**
	AFL ASCEND® 96 Fiber OM4 indoor CPR MTP (Female) to MTP (Female) Base-12 Trunk W/ Pulling Grip, XXXXM	**PF-PF-GE-096-C-XXXXM-P-F-RS**
	AFL ASCEND® 96 Fiber SM indoor CPR MTP (Female) to MTP (Female) Base-12 Trunk W/ Pulling Grip, XXXXM	**TF-TF-GE-096-Q-XXXXM-P-F-RS**
	AFL ASCEND® 144 Fiber OM4 indoor CPR MTP (Female) to MTP (Female) Base-12 Trunk W/ Pulling Grip, XXXXM	**PF-PF-GE-144-C-XXXXM-P-F-RS**
	AFL ASCEND® 144 Fiber SM indoor CPR MTP (Female) to MTP (Female) Base-12 Trunk W/ Pulling Grip, XXXXM	**TF-TF-GE-144-Q-XXXXM-P-F-RS**

ASCEND

LC Reversible Polarity Uniboot Patch Cord

Product Overview

Achieve quick and easy polarity reversal in the field without the use of tools or risk of damaging optical fibers. This patch cord is supplied on 2mm round duplex cable that reduces cable congestion, allows for greater finger access in patching areas, and improves airflow around active equipment. LC connector ferrules assure high transmission quality paired with low optical power loss, for a reliable and a high-performance network.

Features

Reversible Polarity
- Enables simplified polarity correction in the field
- Easy to use push-pull mechanism without exposing bare fibers

Small Diameter Patch Cords
- Contribute to improved airflow and reduced cable congestion in the patching area

Standard and Reduced Bend Sensitivity
- Applicable to OM3, OM4, and SM fiber types

Cable Specifications

Characteristics	2.4mm Round Duplex
Cable material	LSZH, OFNR
Fiber types	SM, OM3, OM4
Cable Jacket Availability	Yellow (SM), Aqua (OM3 and OM4), Erika Violet (OM4)
Materials Compliant	RoHS materials, REACH, SVHC
Strength Member	Aramid
Operating Temperature	-20 to 70°C
Secondary Buffer Diameter	600 ± 50µm
Minimum Bending Radius	10D (installed) 20D (loaded)mm
Regional Availability	Global

Featured Part Numbers

Description		Part Number
OM4	AFL Premium Patchcord, LC Uniboot - LC Uniboot, Reversible Polarity, OM4 (Aqua), 2mm Round Duplex, 1m	P4AW2LCPCC-0006-M1
	AFL Premium Patchcord, LC Uniboot - LC Uniboot, Reversible Polarity, OM4 (Aqua), 2mm Round Duplex, 2m	P4AW2LCPCC-0006-M2
	AFL Premium Patchcord, LC Uniboot - LC Uniboot, Reversible Polarity, OM4 (Aqua), 2mm Round Duplex, 3m	P4AW2LCPCC-0006-M3
	AFL Premium Patchcord, LC Uniboot - LC Uniboot, Reversible Polarity, OM4 (Aqua), 2mm Round Duplex, 5m	P4AW2LCPCC-0006-M5
	AFL Premium Patchcord, LC Uniboot - LC Uniboot, Reversible Polarity, OM4 (Aqua), 2mm Round Duplex, 10m	P4AW2LCPCC-0006-M10
SM	AFL Premium Patchcord, LC Uniboot - LC Uniboot, Reversible Polarity, SM (Yellow), 2mm Round Duplex, 1m	P7AW2L9PCC-0006-M1
	AFL Premium Patchcord, LC Uniboot - LC Uniboot, Reversible Polarity, SM (Yellow), 2mm Round Duplex, 2m	P7AW2L9PCC-0006-M2
	AFL Premium Patchcord, LC Uniboot - LC Uniboot, Reversible Polarity, SM (Yellow), 2mm Round Duplex, 3m	P7AW2L9PCC-0006-M3
	AFL Premium Patchcord, LC Uniboot - LC Uniboot, Reversible Polarity, SM (Yellow), 2mm Round Duplex, 5m	P7AW2L9PCC-0006-M5
	AFL Premium Patchcord, LC Uniboot - LC Uniboot, Reversible Polarity, SM (Yellow), 2mm Round Duplex, 10m	P7AW2L9PCC-0006-M10

Amend X in part number and description to denote custom length in meters

ASCEND

AFL Hyperscale 25 Year Network Warranty

The AFL Hyperscale 25 Year Network Warranty provides a 25-year assurance that the network will operate, support, and remain compliant with the cabling standards it was designed for.

A 25-year Network Warranty is only available when the network is designed, supplied, installed, and tested by an approved AFL Hyperscale Installation Partner.

To qualify, the installation must be made up solely of AFL Hyperscale manufactured products, new at the time of installation, and tested in line with industry standards.

www.aflhyperscale.com/partner/

How to Order

We have dedicated multilingual sales teams around the world who will be able to assist you in quotes and ordering. Scan the QR code to fill out a contact form.

You can also find the contact details for our teams below:

West Coast (USA)

+1 866 814 8615
usasales@aflhyperscale.com

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+44 1908 441 144
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Hong Kong

+852 3689 6396
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ASCEND

AFL HYPERSCALE.

Data Center Cabling and Connectivity Experts

AFL Hyperscale is the first cabling and connectivity solution provider focused on the ever-evolving needs of data centers.

Hyperscale, colocation, and enterprise data centers are united in their pursuit to connect the unconnected, yet their infrastructure, performance, and operational challenges are totally unique.

We work collaboratively with our customers to create connectivity solutions tailored to their current needs and to the requirements of future networks. We then use our responsive, global operational capabilities and distribution network for fast delivery.

This approach has transformed how many data centers grow worldwide and is built on 70 years' combined experience in the design and manufacture of high-performance optical fiber networks, a global presence, and the backing and innovation sharing of our parent and grandparent companies, AFL and Fujikura, the pioneer in optical technology. AFL Hyperscale is your dependable partner to build a more connected world.

AFL Hyperscale - The World, Connected.

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