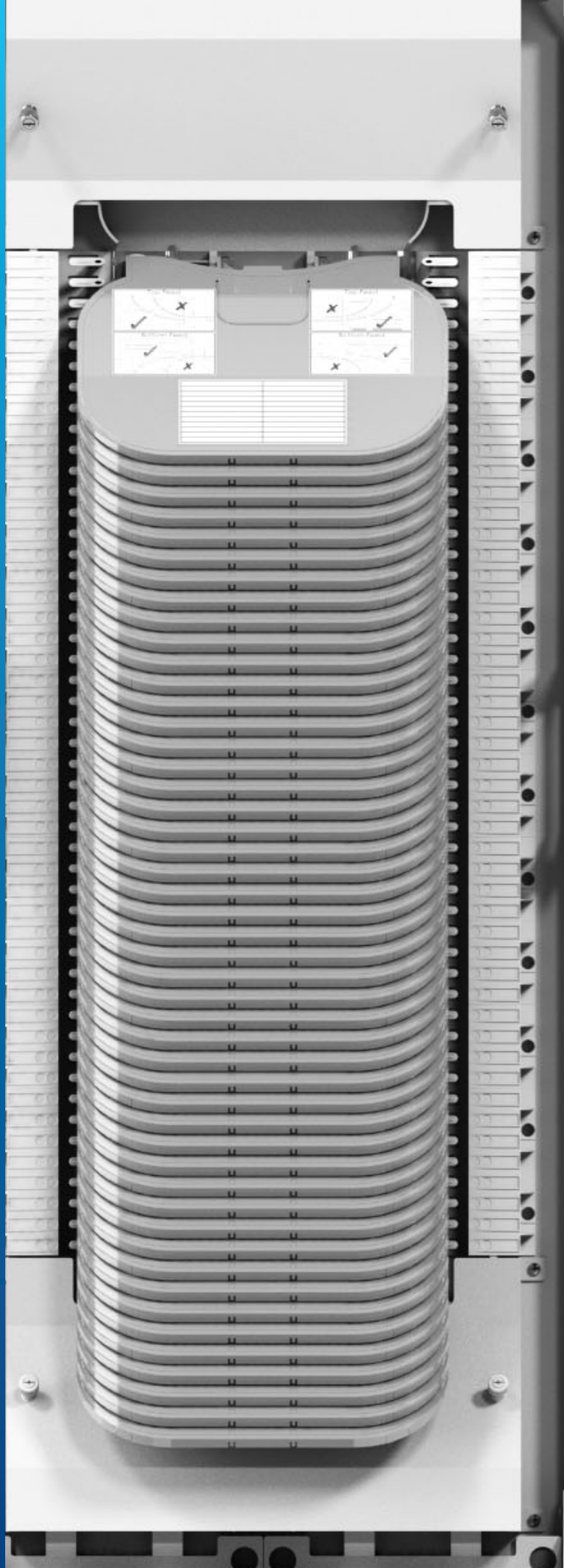
AFL

Mass-Fusion Splice Solution Guide



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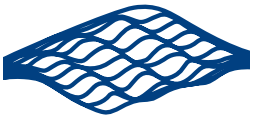
Mass-Fusion Splice Solution

In an unpredictable, fast-moving world, increased volumes of data from 5G, video streaming, remote working, the Internet of Things, machine-to-machine learning, and gaming have meant that bandwidth and fiber densities have had to scale to meet demand requiring faster installation than ever before.

AFL provides mass-fusion splicing solutions that are designed for fast and easy installation, efficient fiber management, and reliability to support and scale your data center network, future-proofing it for years to come.

40% faster installation

Splice 12 fibers at once, achieving a 90% time saving compared to single fiber splicing

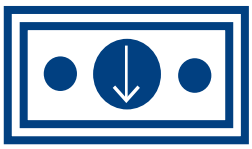


Get the fiber counts you need inside and outside the data center hall

Outside and inside plant cables (with CPR rating) from 12 all the way to 10,368 fibers

Mass-splice solutions across every part of the physical layer

From the outside fiber network to the heart of your data center



Cost-effective, high-density connectivity

Scale your network, not your budget

What is SWR®?

SpiderWeb Ribbon® is made up of 12 single fibers, intermittently bonded to create a collapsible ribbon construction that can move flexibly in any direction.

SWR allows for highly efficient ribbon termination for mass-fusion splicing with the ability to be broken out into single fibers for individual splicing and connectorization.

SWR technology significantly reduces cable diameter and weight and is used in ultra-high fiber count indoor and outdoor cable types, resulting in lower installation costs and major improvements in utilization of cable pathways and duct space.

High fiber packing density

Collapsible ribbon allows for up to 10,368 fibers

Single-fiber splicing still an option

Easily split into individual fibers for single-fiber splicing or connectorizing

Faster, easier installation

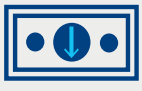
Easily identified individual bundles and optical fibers optimized for easy mass-fusion splicing, including Dry Core Technology with a longitudinally-applied water blocking tape that eliminates the need for messy hand tools

Improved storage and easier installation

Small-diameter and lighter-weight cable compared to conventional ribbon or single-fiber cables

Low-risk solution

Easy mid-span access functionality should the cable be damaged



Cost-effective cable solution

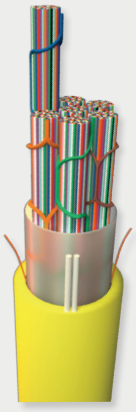
Smaller and lighter-weight cables mean easier installation practices and lower transportation costs

Fewer connection points

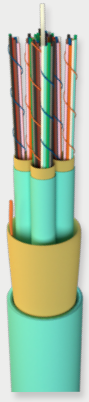
Up to twice the amount of cable can be wound on a drum, longer cable reduces the number of connection points, improving network latency

Inside Plant Cabling (ISP) Overview

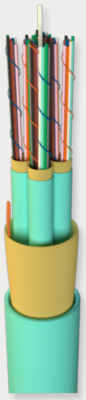
Our range of inside plant cables utilize SpiderWeb Ribbon® (SWR®) technology meaning that, across the data hall, operators can go from very high fiber count cables and break down to small fiber counts very easily. AFL have a range of ISP cables with a variety of jackets including LSZH, plenum, and CPR-rated so networks can be designed with a global mindset for a local deployment.



Flame-Retardant Wrapping Tube Cable (WTC) with SpiderWeb Ribbon (SWR)



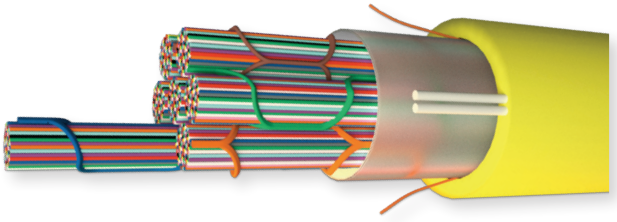
Sub-Unitized Premise MicroCore® 3.0 BASE-24 with SWR



Sub-Unitized Premise MicroCore 3.0 BASE-12 with SWR

Ruggedized MicroCore Cable with SWR

Flame-Retardant Wrapping Tube Cable (WTC) with SpiderWeb Ribbon® (SWR®)



Flame-retardant (FR) Wrapping Tube Cable (WTC) with SpiderWeb Ribbon (SWR) is a high-density fiber optic ribbon cable intended for inside plant and indoor/outdoor network applications where riser-rated products are required. The FR-WTC-SWR incorporates the leading-edge SpiderWeb Ribbon technology in a robust, flame-retardant cable package that can be used within buildings and, because of the core water-blocking feature, can also be routed outside provided the cable is housed within covered pathway spaces including duct-banks and cable trays.

The FR-WTC-SWR product set is available in LSZH, UL 1666 Riser Rated, CPR Classification, non-armored 250 µm SR15E fiber (288F) and 200 µm SR15E-200 fiber (864F and 1728F) constructions.

Technical Specifications

Operating temperature
-20°C to +70°C

Storage temperature
-40°C to +70°C

Installation temperature
-10°C to +60°C

Mechanical Data — Non-Armored

Fiber Count	Binder Unit	Nominal Diameter	Weight	Short Term/Installation		Long Term/Installation	
		inches (mm)	LBS/1,000 ft (kg/km)	Max tensile load lbs (N)	Min bend radius inches (mm)	Max tensile load lbs (N)	Min bend radius inches (mm)
288	4 X 72F	0.49 (12.5)	108 (160)	297 (1320)	9.8 (250)	89 (396)	7.4 (188)
864	12 X 72F	0.65 (16.5)	181 (270)	297 (1320)	13.0 (330)	89 (396)	9.7 (248)
1728	12 X 144F	0.85 (21.5)	276 (410)	297 (1320)	16.9 (430)	89 (396)	12.7 (323)

Optical Fiber

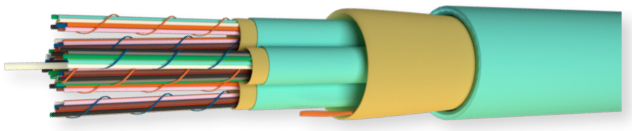
Fiber Count	Fiber Buffer	Optical Fiber Standard	MFD	Maximum Attenuation (Cabled) dB/km		
				1310 nm	1383 nm	1550 nm
288	250 µm	K (ITU-T G.652D/G.657.A1)	8.6 ± 0.4 µm	≤ 0.35 dB/km	≤ 0.35 dB/km	≤ 0.25 dB/km
864, 1728	200 µm	BE (ITU-T G.652.D AND G.657.A1)	8.6 ± 0.4 µm	≤ 0.35 dB/km	≤ 0.35 dB/km	≤ 0.25 dB/km

Ordering Information

Contact us for ordering information.

View Product Datasheet

Sub-Unitized Premise MicroCore® 3.0 BASE-24 with SWR®



The third generation of AFL's Sub-Unitized Premise MicroCore Cable is another astounding evolution of high-performance premise cabling. Enabling even greater pathway density than our 2.0 version, the 3.0 BASE-24 revolutionizes cable deployment and allows the end user to realize savings in space, routing infrastructures, and fiber management with fiber counts up to 288 fibers available.

Combining the highest quality materials with rigorous testing to industry standards, this generation builds on the same quality of construction as the previous versions of our Sub-Unitized Premise MicroCore cables. Each stand-alone sub-cable is independently qualified and is suitable for individual routing paths within the rack/panel architecture. This flexibility of design and deployment is not available in comparable high-density designs.

Designed for direct termination, and supportive of both single-fiber and multi-fiber architectures, this cable family is capable of serving as the backbone in any deployed system.

SWR technology eliminates many of the challenges that data center networks face today and will face in the future, and works to maximize fiber counts, minimize space utilized in ducts and raceways, and simplify high-fiber count installations.

Technical Specifications

Jacket Options

NFPA 262 (ONFP) / FT6
LSZH/ONFR-LS (IEC 60332, 60745, 61034) / CE CPR B2ca

Compliant to

EIA/TIA 568/GR-409-CORE
RoHS, Reach / SVHC

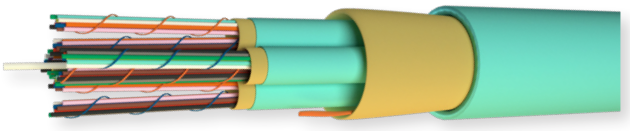
Type	Fiber Count	Nominal Diameter Inches (MM)	Weight LBS/1000 FT (kg/km)	Tension lbs (N)		Bend Radius Inches (CM)	
				Install	Long-term	Install	Long-term
24-Fiber Sub-Units	48	0.40 (10.2)	60 (90)	150 (670)	45 (200)	6.0 (15.3)	4.0 (10.2)
	72	0.40 (10.2)	60 (90)	150 (670)	45 (200)	6.0 (15.3)	4.0 (10.2)
	98	0.40 (10.2)	60 (90)	150 (670)	45 (200)	6.0 (15.3)	4.0 (10.2)
	144	0.50 (12.7)	107 (160)	150 (670)	45 (200)	7.5 (19.1)	5.0 (12.7)
	168	0.61 (15.5)	171 (255)	150 (670)	45 (200)	9.2 (23.5)	6.1 (15.5)
	192	0.61 (15.5)	171 (255)	150 (670)	45 (200)	9.2 (23.5)	6.1 (15.5)
	216	0.61 (15.5)	171 (255)	150 (670)	45 (200)	9.2 (23.5)	6.1 (15.5)
	288	0.72 (18.4)	218 (325)	150 (670)	45 (200)	11.0 (27.6)	7.2 (18.4)

Ordering Information

Contact us for ordering information.

View Product Datasheet

Sub-Unitized Premise MicroCore® 3.0 BASE-12 with SWR®



AFL's Sub-Unitized Premise MicroCore 3.0 BASE-12 cables represent the foundation for AFL's MicroCore portfolio with designs available up to 144 fibers for standard 250 µm based fiber and AFL's revolutionary SpiderWeb Ribbon Technology.

Combining the highest quality materials with rigorous testing to industry standards, this generation builds on the same quality of construction as the previous versions of our Sub-Unitized Premise MicroCore cables. Each stand-alone sub-cable is independently qualified and is suitable for individual routing paths within the rack/panel architecture. This flexibility of design and deployment is not available in comparable high-density designs.

Designed for direct termination, and supportive of both single-fiber and multi-fiber architectures, this cable family is capable of serving as the backbone in any deployed system.

SWR technology eliminates many of the challenges that data center networks face today and will face in the future, and works to maximize fiber counts, minimize space utilized in ducts and raceways, and simplify high-fiber count installations.

Technical Specifications

Jacket Options

NFPA 262 (ONFP) / FT6
LSZH/ONFR-LS (IEC 60332, 60745, 61034) / CE CPR B2ca

Compliant to

EIA/TIA 568/GR-409-CORE
RoHS, Reach / SVHC

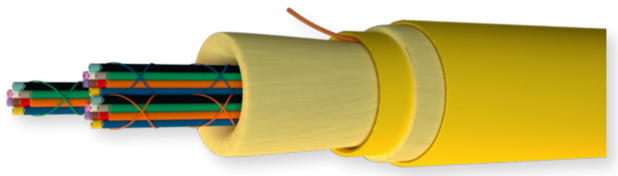
Type	Fiber Count	Nominal Diameter Inches (MM)	Weight LBS/1000 FT (kg/km)	Tension lbs (N)		Bend Radius Inches (CM)	
				Install	Long-term	Install	Long-term
12-Fiber Sub-Units	24	0.40 (10.2)	60 (90)	150 (670)	45 (200)	6.0 (15.3)	4.0 (10.2)
	36	0.40 (10.2)	60 (90)	150 (670)	45 (200)	6.0 (15.3)	4.0 (10.2)
	48	0.40 (10.2)	60 (90)	150 (670)	45 (200)	6.0 (15.3)	4.0 (10.2)
	60	0.40 (10.2)	60 (90)	150 (670)	45 (200)	6.0 (15.3)	4.0 (10.2)
	72	0.44 (11.1)	77 (115)	150 (670)	45 (200)	6.0 (15.3)	4.0 (10.2)
	96	0.52 (13.3	120 (175)	150 (670)	45 (200)	6.0 (15.3)	4.0 (10.2)
	144	0.59 (14.9)	125 (185)	150 (670)	45 (200)	7.5 (19.1)	5.0 (12.7)

Ordering Information

Contact us for ordering information.

View Product Datasheet

Ruggedized MicroCore® Cable with SWR®



AFL Ruggedized MicroCore with SWR is the next generation of maximizing fiber density in AFL's line of high-density data center cables. Ruggedized MicroCore is an industry-leading alternative to a traditional inside plant central loose tube ribbon cable with both standard 250 µm based fiber and AFL revolutionary SpiderWeb Ribbon Technology designs available.

Ruggedized MicroCore with bare fiber eliminates concerns associated with edge fiber stresses due to preferential bend of encapsulated ribbons.

These cables consist of an LSZH (including ONFR-LS/FT4) flame-rated outer jacket with an installation tension rating of 150 lbs. qualified to meet and exceed the requirements of the latest Telcordia GR-409-CORE inside plant cabling requirements.

SWR technology eliminates many of the challenges that data center networks face today and will face in the future, and works to maximize fiber counts, minimize space utilized in ducts and raceways, and simplify high-fiber count installations.

Technical Specifications

Jacket Options

NFPA 262 (ONFP) / FT6
LSZH/ONFR-LS (IEC 60332, 60745, 61034) / CE CPR B2ca

Compliant to

EIA/TIA 568/GR-409-CORE
RoHS, Reach / SVHC

Fiber Count	Nominal Diameter inches (mm)	Nominal Sub-Unit inches (m)	Weight LBS/1000 ft (kg/km)	Tension lbs (N)		Bend Radiusinches (cm)	
				Install	Long-term	Install	Long-term
12	0.19 (4.8)	0.12 (3.0)	15 (22)	150 (660)	45 (200)	2.9 (7.2)	1.9 (4.8)
24	0.19 (4.8)	0.12 (3.0)	15 (22)	150 (660)	45 (200)	2.9 (7.2)	1.9 (4.8)
36	0.22 (5.6)	0.15 (3.8)	21 (31)	150 (660)	45 (200)	3.3 (8.4)	2.2 (5.6)
48	0.22 (5.6)	0.15 (3.8)	21 (31)	150 (660)	45 (200)	3.3 (8.4)	2.2 (5.6)
72	0.25 (6.4)	0.19 (4.8)	30 (45)	150 (660)	45 (200)	3.8 (9.6)	2.5 (6.4)

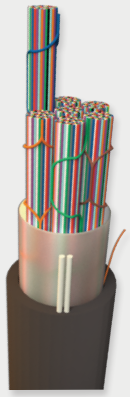
Ordering Information

Contact us for ordering information.

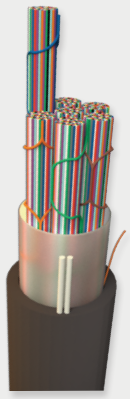
View Product Datasheet

Outside Plant Cabling (OSP) Overview

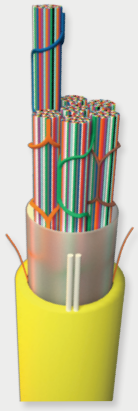
Advances in cable technology have led to an increase in fiber density and a decrease in cable diameter, weight, and installation time. Utilizing SpiderWeb Ribbon® (SWR®) technology in your outside plant cabling means your data center's fleets or availability zones can grow at a faster rate, while minimizing the impact on already congested duct space.



250 µm Wrapping Tube Cable (WTC) with SpiderWeb Ribbon (SWR)

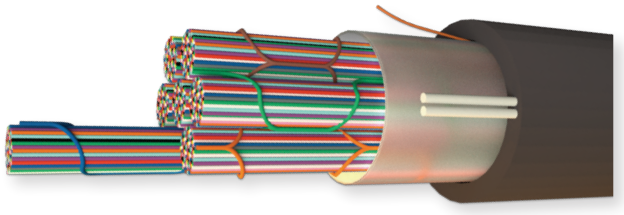


200 µm Wrapping Tube Cable (WTC) with SpiderWeb Ribbon (SWR)



Flame-Retardant Wrapping Tube Cable (WTC) with SpiderWeb Ribbon (SWR)

250 µm Wrapping Tube Cable (WTC) with SpiderWeb Ribbon® (SWR®)



Wrapping Tube Cable (WTC), with SpiderWeb Ribbon (SWR), is an ultra-high density outside plant cable designed specifically for fiber-to-the-home (FTTH) or access markets and is compliant with the latest issue of the outside plant cable standard, Telcordia GR-20.

Utilizing an ultra-high density ribbon technology called SpiderWeb Ribbon, WTC provides the smallest cable diameter and lowest weight high-fiber count ribbon cable in the industry. WTC with SWR cables are available in fiber counts from 144 to 3,456.

SWR is a bonded fiber ribbon design allowing for either a highly efficient ribbon splicing or an individual fiber breakout splicing process. This flexibility allows for a single cable design to cover a diverse set of applications from access networks to high-fiber count mass-fusion splicing. With the ability to roll and conform, SWR provides ultra-high-density packaging in the WTC.

SWR technology eliminates many of the challenges that data center networks face today and will face in the future, and works to maximize fiber counts, minimize space utilized in ducts and raceways, and simplify high-fiber count installations.

Technical Specifications

Mechanical Data-Non-Armored

Fiber Count	Binder Unit	Nominal Diameter	Weight	Short Term/Installation		Long Term/Installation	
		Inches (MM)	LBS/1,000 FT (kg/km)	Max tensile load lbs (N)	Min bend radius inches (mm)	Max tensile load lbs (N)	Min bend radius inches (mm)
144	1 x 144F	0.41 (10.5)	57 (85)	607 (2700)	9 (229)	182 (810)	6 (158)
288	4 x 72F	0.47 (12.0)	71 (105)	607 (2700)	10 (254)	182 (810)	7 (180)
432	6 x 72F	0.53 (13.5)	91 (135)	607 (2700)	11 (270)	182 (810)	8 (203)
576	8 x 72F	0.59 (15.0)	111 (165)	607 (2700)	12 (300)	182 (810)	9 (225)
864	12 x 72F	0.69 (17.5)	145 (215)	607 (2700)	14 (350)	182 (810)	11 (279)
1152	8 x 144F	0.73 (18.5)	161 (240)	607 (2700)	15 (370)	182 (810)	11 (279)
1728	12 x 144F	0.91 (23.0)	242 (360)	607 (2700)	18 (460)	182 (810)	14 (345)
3456	24 x 144F	1.20 (30.5)	403 (600)	607 (2700)	24 (610)	182 (810)	18 (458)

Mechanical Data-OSP Armored

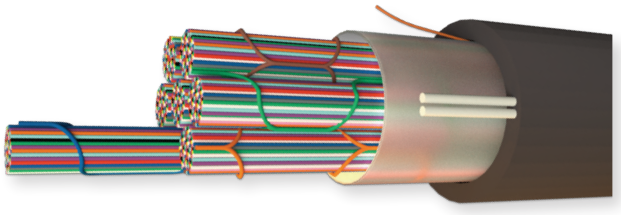
Fiber Count	Binder Unit	Nominal Diameter	Weight	Short Term/Installation		Long Term/Installation	
		Inches (MM)	LBS/1,000 FT (kg/km)	Max tensile load lbs (N)	Min bend radius inches (mm)	Max tensile load lbs (N)	Min bend radius inches (mm)
144	1 x 144F	0.63 (16.0)	148 (220)	607 (2700)	13 (320)	182 (810)	10 (254)
288	4 x 72F	0.69 (17.5)	172 (255)	607 (2700)	14 (350)	182 (810)	11 (279)
432	6 x 72F	0.75 (19.0)	202 (300)	607 (2700)	15 (380)	182 (810)	11 (285)
576	8 x 72F	0.81 (20.5)	235 (350)	607 (2700)	16 (410)	182 (810)	12 (308)
864	12 x 72F	0.91 (23.0)	286 (425)	607 (2700)	18 (460)	182 (810)	14 (345)
1728	12 x 144F	1.14 (29.0)	410 (610)	607 (2700)	23 (580)	182 (810)	17 (435)

Ordering Information

Contact us for ordering information.

View Product Datasheet

200 µm Wrapping Tube Cable (WTC) with SpiderWeb Ribbon® (SWR®)



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Utilizing an ultra-high density ribbon technology called SpiderWeb Ribbon, WTC provides the smallest cable diameter and lowest weight high-fiber count ribbon cable in the industry. WTC with SWR cables are available in fiber counts from 144 to 3,456.

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SWR technology eliminates many of the challenges that data center networks face today and will face in the future, and works to maximize fiber counts, minimize space utilized in ducts and raceways, and simplify high-fiber count installations.

Technical Specifications

Operating temperature

-40°C to +70°C

Storage temperature

-40°C to +70°C

Installation temperature

-30°C to +60°C

Mechanical Data-Non-Armored

Fiber Count	Binder Unit	Nominal Diameter	Weight	Short Term/Installation		Long Term/Installation	
		Inches (MM)	LBS/1,000 FT (kg/km)	Max tensile load lbs (N)	Min bend radius inches (mm)	Max tensile load lbs (N)	Min bend radius inches (mm)
1728	12 x 144F	0.85 (21.5)	202 (300)	607 (2700)	17 (432)	182 (810)	13 (330)
3456	24 x 144F	1.04 (26.5)	292 (435)	607 (2700)	21 (533)	182 (810)	16 (406)
6912	24 x 288F	1.38 (35.0)	514 (765)	607 (2700)	28 (711)	182 (810)	21 (533)

200 µm Optical Fiber

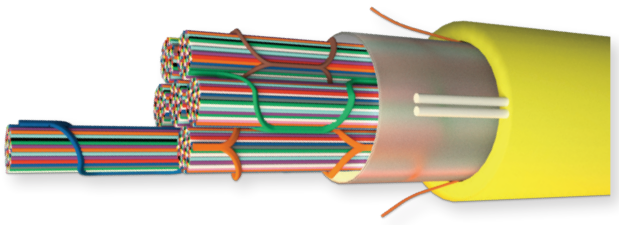
Fiber Count	Fiber Designator	MFD	Maximum Attenuation (Cabled) dB/km		
			1310 NM	1383 NM	1550 NM
1728	BE (ITU-T G.652.D and G.657.A1)	8.6 ± 0.4µm	≤0.40	≤0.40	≤0.30
3456	BE (ITU-T G.652.D and G.657.A1)	8.6 ± 0.4µm	≤0.40	≤0.40	≤0.30
6912	BE (ITU-T G.652.D and G.657.A1)	8.6 ± 0.4µm	≤0.40	≤0.40	≤0.30

Ordering Information

Contact us for ordering information.

View Product Datasheet

Flame-Retardant Wrapping Tube Cable (WTC) with SpiderWeb Ribbon® (SWR®)



Flame-retardant (FR) Wrapping Tube Cable (WTC) with SpiderWeb Ribbon (SWR) is a high-density fiber optic ribbon cable intended for inside plant and indoor/outdoor network applications where riser-rated products are required. The FR-WTC-SWR incorporates the leading-edge SpiderWeb Ribbon technology in a robust, flame-retardant cable package that can be used within buildings and, because of the core water-blocking feature, can also be routed outside provided the cable is housed within covered pathway spaces including duct-banks and cable trays.

The FR-WTC-SWR product set is available in LSZH, UL 1666 Riser Rated, CPR Classification, non-armored 250 µm SR15E fiber (288F) and 200 µm SR15E-200 fiber (864F and 1728F) constructions.

Technical Specifications

Operating temperature
-20°C to +70°C

Storage temperature
-40°C to +70°C

Installation temperature
-10°C to +60°C

Mechanical Data — Non-Armored

Fiber Count	Binder Unit	Nominal Diameter	Weight	Short Term/Installation		Long Term/Installation	
		inches (mm)	LBS/1,000 ft (kg/km)	Max tensile load lbs (N)	Min bend radius inches (mm)	Max tensile load lbs (N)	Min bend radius inches (mm)
288	4 X 72F	0.49 (12.5)	108 (160)	297 (1320)	9.8 (250)	89 (396)	7.4 (188)
864	12 X 72F	0.65 (16.5)	181 (270)	297 (1320)	13.0 (330)	89 (396)	9.7 (248)
1728	12 X 144F	0.85 (21.5)	276 (410)	297 (1320)	16.9 (430)	89 (396)	12.7 (323)

Optical Fiber

Fiber Count	Fiber Buffer	Optical Fiber Standard	MFD	Maximum Attenuation (Cabled) dB/km		
				1310 nm	1383 nm	1550 nm
288	250 µm	K (ITU-T G.652D/G.657.A1)	8.6 ± 0.4 µm	≤ 0.35 dB/km	≤ 0.35 dB/km	≤ 0.25 dB/km
864, 1728	200 µm	BE (ITU-T G.652.D AND G.657.A1)	8.6 ± 0.4 µm	≤ 0.35 dB/km	≤ 0.35 dB/km	≤ 0.25 dB/km

Ordering Information

Contact us for ordering information.

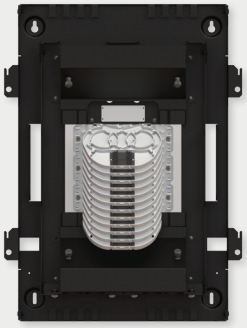
View Product Datasheet

Wall-Mountable
Overview

AFL's Mass-Fusion Splice Cabinets are designed to save space in the data center entrance facility. Rather than splicing on a fiber frame, the cabinets can be wall-mounted to transition OSP cables to ISP cables up to 6,912 fibers. The cabinets are lightweight and designed for easy installation by one person.

6912F
Mass-Fusion
Splice Wall Cabinet

3456F
Mass-Fusion
Splice Wall Cabinet



288 Single-Fiber
864 Standard Ribbon
1152 SWR® Fusion
Splice Wall Cabinet

6912F Mass-Fusion Splice Wall Cabinet

The 6912F Mass-Fusion Splice Wall Cabinet is designed for use in a building entrance facility, providing an enclosure to splice outside plant (OSP) cables to inside plant (ISP) cables with an ultra-high fiber count. This cabinet is lightweight, flexible, and designed for easy installation by one person providing a space-saving and cost-effective solution. Pass-through space provides cable routing for the installation of multiple cabinets.

The cabinet features 48 leaf-style trays which allow 144 fiber mass fusion splices per tray and a raceway and manifold system which ensures the 250 µm fiber is protected at all times. There are various cable entry options at both top and bottom with modular tie-off points allowing up to 8 x Ø34 mm at a time.

This Mass-Fusion Splice Wall Cabinet has the capacity to splice up to 6912F for SWR® and traditional ribbon cables. The cabinet can also be adapted to accommodate standard optical fiber by purchasing our standard fiber optic splice tray, allowing for 36 splices per tray and a maximum fiber count of 864F.

Technical Specifications

Dimensions
585 mm (W) x 227 mm (D) x 1212 mm (H)

Material
Aluminum

Operating temperature
-40°C to +60°C

Maximum fiber count
6912F

Material coating
Powder

Materials compliant to
RoHS, Reach / SVHC

Cable entry
Top and bottom

Color
Gray

Ordering Information

Part Number	Description Characteristic
FXHCXXBXXX-04ZZ	High Capacity Wall Box 6912F Mass Splice

View Product Datasheet

3456F Mass-Fusion Splice Wall Cabinet

The 3456F Mass-Fusion Splice Wall Cabinet is designed for use in a building entrance facility providing an enclosure to splice outside plant (OSP) cables to inside plant (ISP) cables with an ultra-high fiber count. This cabinet is lightweight, flexible, and designed for easy installation by one person, providing a space-saving and cost-effective solution. Pass-through space provides cable routing for the installation of multiple cabinets.

The cabinet features 24 leaf-style trays which allow 144 fiber mass fusion splices per tray and a raceway and manifold system which ensures the 250 µm fiber is protected at all times. There are various cable entry options at both top and bottom with modular tie-off points allowing up to 8 x Ø34 mm at a time.

This Mass-Fusion Splice Wall Cabinet has the capacity to splice up to 3456F for SWR® and traditional ribbon cables. The cabinet can also be adapted to accommodate standard optical allowing for 36 splices per tray and a total fiber count of 1,728F.

Technical Specifications

Dimensions
585 mm (W) x 227 mm (D) x 882 mm (H)

Material
Aluminum

Operating temperature
-40°C to +60°C

Maximum fiber count
3456F

Material coating
Powder

Materials compliant to
RoHS, Reach / SVHC

Cable entry
Top and bottom

Color
Gray

Ordering Information

Part Number	Description Characteristic
FXHCXXBXXX-03ZZ	High Capacity Wall Box 3456F Mass Splice

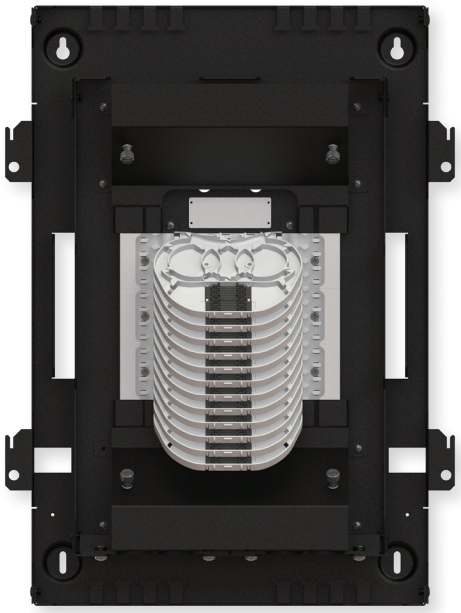
View Product Datasheet

288 Single-Fiber / 864 Standard Ribbon / 1152 SWR® Fusion Splice Wall Cabinet

This innovative mass-fusion splice wall cabinet is designed for applications in a building entrance facility providing an enclosure to splice outside plant (OSP) cables to inside plant (ISP) cables with a maximum fiber count of 1152F. This cabinet can be fitted into areas with limited physical space and it can be installed as a single unit or multiple units can be stacked. It can be both wall-mounted or in mounted in standard 19" racks.

Cable pass-through spaces inside and outside the cabinet provide cable routing for the installation of multiple cabinets on a wall or rack.

The splice cabinet features 12 leaf-style trays which allow 24 single fiber splices per tray and a raceway manifold system which ensures the fiber is protected at all times. The cabinet accommodates a variety of cables from inside plant cable (12 x 24F) to outside plant cable (1 x 288F / 2 x 144F). It can also be used for standard ribbon splicing with 12 x 72F splice trays providing a total fiber count of 864F. When used with SWR cable, splicing is possible with 12 x 96F splice trays providing a total fiber count of 1152F. Note: these splice trays (SPT17-12) are not included and will need to be ordered separately).



Technical Specifications

Dimensions
404 mm (W) x 167 mm (D) x 616 mm (H)

Material
Aluminum

Operating temperature
-40°C to +60°C

Maximum fiber count
288 (single-fiber)
864 (standard ribbon)
1152 (SWR)

Material coating
Powder

Materials compliant to
RoHS, Reach / SVHC

Cable entry
Top and bottom

Color
Black

Ordering Information

Part Number	Description Characteristic
FXHCXXBXXX-02ZZ	High Capacity Wall Box 288F Single Splice
SPT17-12	Splice Tray and Splice Holder for SWR and Standard Ribbon Cable up to 1152F

View Product Datasheet

Mass-Splice Frames
Overview

AFL's selection of mass-splice frames provides scalable and high-density splicing capability. Our cabinets are ideal for splicing OSP cables carrying up to 13,824F into indoor backbone 288F segments.

Designed for ease of installation and maintenance, there is plenty of room for slack storage both at incoming and outgoing cable ends. Integrated mounting points for cable transitions ensure appropriate management of breakout from cable to splicing area.

10,368F
Mass-Fusion
Splice Frame

10,368F Mass-Fusion Splice Frame

The 10,368F Mass-Fusion Spice Frame is a high-capacity frame designed to accommodate up to 10,368 fibers utilizing ribbon cable. This fiber count is achieved using 72 mass splice cassettes providing 288 fibers per panel. Mass splice cassettes allowing 288 fibers per tray, each supplied with a fast mount mechanism for easy installation and maintenance.

Utilizing the latest SpiderWeb Ribbon® (SWR®) cable technology, the 288F splice trays accommodate to 24 mass splice protectors while ensuring sufficient slack storage for multiple re-splices.

Integrated mounting points for cable transitions ensure appropriate management of breakout from cable the splicing area.

Technical Specifications

Dimensions
600mm (W) x 300mm (D) x 2200mm (H)

Material
Cold Rolled Steel

Operating temperature
-40°C to +50°C

Maximum fiber count
10,368F

Material coating
Powder

Materials compliant to
RoHS, Reach / SVHC

Cable entry
Top and bottom

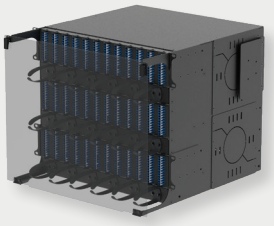
Color
Gray

Ordering Information

Contact us for ordering information.

Rack-Mountable Panels **Overview**

The below rack-mountable panels accommodate pre-installed SpiderWeb Ribbon® (SWR®) LC pigtails and a host of unique features for a rapid installation where interconnection is required.



9RU

36 Adapter Plates
864 LC Ports
6 x 144F Splice Trays

6RU FVP

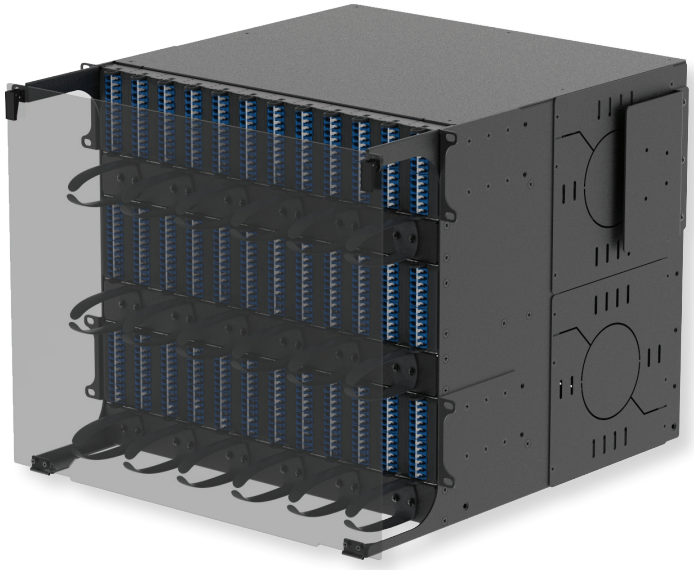
36 Cassettes
864 LC Ports
6 x 144F Splice Trays

2RU FVP

12 Cassettes
288 LC Ports
1 x 144F Splice Trays

Series

9RU Splice and Patch Panel



The U-Series 9RU Splice and Patch Panel is a high-density, 19" profile rack-mountable fiber management solution that splices and patches in a 9RU cabinet space. Ribbon cabling splicing is possible via a rear positioned hinge down panel that is supplied with a latching feature for both open and closed positions. Shuttered LC adapter plates (for 432 LC duplex connectors or 864 LC simplex connectors) on the front of the panel improve space management and allow for smooth patching and easy LC/SC port access.

6 splice trays accommodate both SWR® ribbon cable as well as traditional ribbon cable with each splice tray having the capacity to splice up to 144 fibers. Integrated mounting points for cable transitions ensure appropriate management of breakout from cable to splicing area. A traditional leaf-style splice tray stack provides fully managed fiber routing from transition to the splice tray while minimizing the risk of bend losses.

Technical Specifications

Dimensions
524 mm (W) x 521 mm (D) x 400 mm (H)

Material
CR4 Steel
Aluminum

Operating temperature
-20°C to +50°C

Maximum fiber count
864F (LC)
432f (SC)

Material coating
Powder

Materials compliant to
RoHS, Reach / SVHC

Cable entry
Left and right

Color
Black

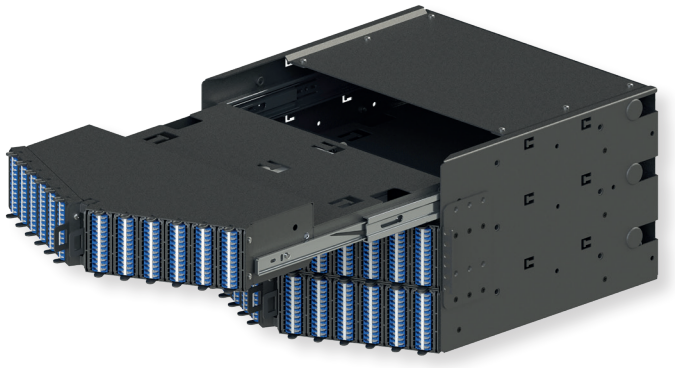
Ordering Information

Part Number	Description Characteristic
F7HAAFBPAX-06AL	U-Series 864F 9RU Splice+Patch Panel Low Loss LC SM G.657A1 Ribbon Pigtails
F7HAARBPDX-06AL	U-Series 432F 9RU Splice+Patch Panel Low Loss SC SM G.657A1 Ribbon Pigtails
F7HAAFBPBX-06AL	U-Series 864F 9RU Splice+Patch Panel Low Loss LC/APC SM G.657A1 Ribbon Pigtails

View Product Datasheet

Series

6RU Front-Access V-Panel (FVP)



The 6RU Front-Access V-Panel (FVP) facilitates ergonomic, modular, and simultaneous cold aisle front-access splicing and patching of up to 864 fibers utilizing SpiderWeb Ribbon® (SWR®) Technology.

The one-person 19" rack-mountable unit is easy to work with and both sturdy and lightweight. 3 slide-out modular drawers are dismounted from the panel and spliced in simultaneously providing a fast, efficient, and more comfortable cold aisle installation. Slack allows for simultaneous splicing to take place on a workbench at a safe working height.

A V-shaped design provides easy finger access and LC quad shuttered adapters help prevent the ingress of dust or debris while additionally providing laser eye safety.

Technical Specifications

Dimensions
513 mm (W) x 565 mm (D) x 255 mm (H)

Material
CR4 Steel
Aluminum

Operating temperature
-20°C to +50°C

Maximum fiber count
864F (LC)

Material coating
Powder

Materials compliant to
RoHS, Reach / SVHC

Cable entry
Left, right, top, and bottom

Color
Black

Ordering Information

Part Number	Description Characteristic
F7HAAFBPAX-09AM	U-Series 864F 6RU Splice+Patch FVP Panel Low Loss LC SM G.657A1 SWR Pigtails
A7UD24BPAX-14JF-M4	U-Series 24F FVP Splice Cassette Low Loss LC SM G.657A1 Stub LSZH SWR MC 4M
FXSEXXBXXX-13ZZ	U-Series FVP Breakout Box for 3456F cable
FXSEXXBXXX-14ZZ	U-Series FVP Breakout Box for 6912F cable

View Product Datasheet

Series

2RU Front-Access V-Panel (FVP)

The U-Series 2RU Front-Access V-Panel (FVP) facilitates rapid, cold-aisle, front-access splicing and patching of up to 288 fibers utilizing SpiderWeb Ribbon® (SWR®) Technology to pre-loaded, high-performance SWR LC pigtails.

The one-person rack-mountable unit is easy to work with and both lightweight and sturdy. A slide-out modular drawer is dismounted from the panel so splicing can take place on a workbench at a safe working height. Its V-shaped design provides easy finger access and LC quad shuttered adapters help prevent the ingress of dust or debris while additionally providing laser eye safety.

Technical Specifications

Dimensions
482 mm (W) x 559 mm (D) x 88 mm (H)

Material
CR4 Steel
Aluminum

Operating temperature
-20°C to +50°C

Maximum fiber count
288F

Material coating
Powder

Materials Compliant to
RoHS, Reach / SVHC

Cable entry
Left or right

Color
Black

Ordering Information

Part Number	Description Characteristic
F7HAADBPAX-10AM	U-Series High Capacity 2U Front Access V Patch Panel Black Premium LC G.657A1 288F (SWR Pigtails)
A7UD24BPAX-14JF-M4	U-Series FVP 24F Pigtail Cassette with Premium LCSM G.657A1 24F 4m Stub 3.0mm OD

View Product Datasheet

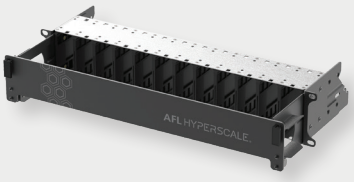
Series

Rack-Mountable Housing and Cassette Overview

AFL offers a comprehensive range of scalable, modular, high-density connectivity solutions that can be utilized across the data hall. The following housings all have compatible 24F LC SWR Pigtail Cassettes for a fast, flexible, low-latency deployment.

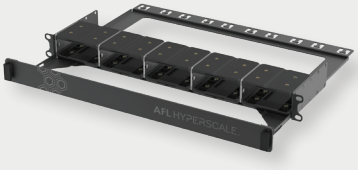
For a fast, flexible, high-density deployment:

Mass Ribbon Splice Cassette



2RU

12 Cassettes
288 LC Ports
144 SC Ports



1RU

5 Cassettes
120 LC Ports
60 SC Ports

Series

Mass Ribbon Splice Cassette

The U-Series Mass Ribbon Splice Cassette provides a time- and cost-effective patching solution for SpiderWeb Ribbon (SWR®) and other ribbon cables.

Natural demarcation by splice cassette provides easy, selective access to installed or spliced infrastructure for maintenance or Moves, Adds, and Changes. Cassettes can be easily removed and splice work can take place in convenient position away from the destination rack position.

- Cassettes fitted with factory-terminated ribbon assembly
- Up to 24 x fibers per cassette — 12 SC, 12 LC, 24 LC interface
- Modular splice cassette ideal for dynamic, ever-changing infrastructure
- Hinged mass splice holders facilitate pigtail loading and fiber management
- Premium termination for optimal optical performance

Technical Specifications

Dimensions
30 mm (W) x 155 mm (D) x 83 mm (H)

Material
ABS
CR4 Steel

Storage temperature
-20°C to +60°C

Fiber count
12F (LC/SC)
24F (LC)

Color
Black

Materials compliant to
RoHS, Reach / SVHC

Fiber types
SM 9/125 G.657A1, MM 50/125 OM3/ OM4

Operating temperature
-20°C to +60°C

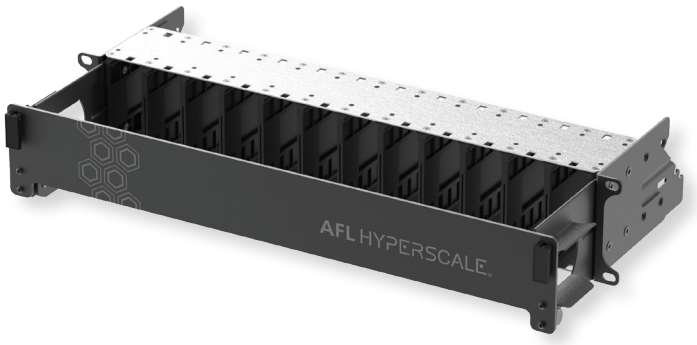
Ordering Information

Part Number	Description Characteristic
A7UD24BPBX-03AL	U-Series 24F Mass Splice Cassette Low Loss LCA SM G.657A1 Ribbon Pigtails
A7UD24BPAX-03AL	U-Series 24F Mass Splice Cassette Low Loss LC SM G.657A1 Ribbon Pigtails
A4UD24BPAX-03AL	U-Series 24F Mass Splice Cassette Low Loss LC MM OM4 Ribbon Pigtails
A7UD12BPBX-03AL	U-Series 12F Mass Splice Cassette Low Loss LCA SM G.657A1 Ribbon Pigtails
A7UD12BPAX-03AL	U-Series 12F Mass Splice Cassette Low Loss LC SM G.657A1 Ribbon Pigtails
A4UD12BPAX-03AL	U-Series 12F Mass Splice Cassette Low Loss LC MM OM4 Ribbon Pigtails
A7UD12BPDX-03AL	U-Series 12F Mass Splice Cassette Low Loss SC SM G.657A1 Ribbon Pigtails
A7UD12BPEX-03AL	U-Series 12F Mass Splice Cassette Low Loss SCA SM G.657A1 Ribbon Pigtails
A4UD12BPDX-03AL	U-Series 12F Mass Splice Cassette Low Loss SC MM OM4 Ribbon Pigtails

View Product Datasheet

Series

2RU Housing



The U-Series 2RU Housing can house up to 12 U-Series cassettes with the capacity to scale up to 288 LC ports and 2304 fibers using an MPO interface.

Compact to facilitate installation in shallow-depth racks, it allows for front and rear cassette installation and is compatible with U-Series MPO, pre-terminated, and splice cassettes.

Technical Specifications

Dimensions

484 mm (W) x 139 mm (D) x 88 mm (H)

Material

CR4 Steel
Aluminum
ABS

Operating temperature

-20°C to +50°C

Maximum fiber count

144F (LC/SC)
288F (LC)
3456F (MPO)

Material coating

Powder

Materials compliant to

RoHS, Reach / SVHC

Cable entry

Left and right

Color

Black

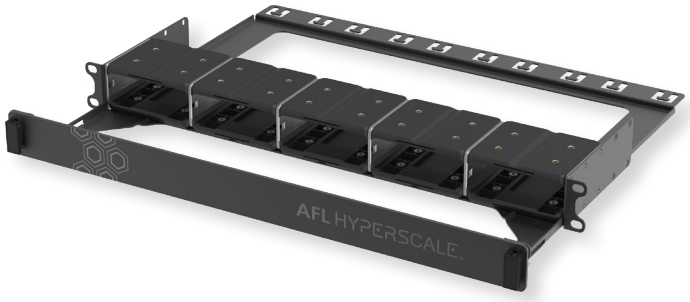
Ordering Information

Part Number	Description Characteristic
FXUCXXBXXX-02BG	U-Series 2RU Housing 12 Modules Front Door ONLY
FXUCXXBXXX-03ZZ	U-Series 2RU Housing Rear Mgt

View Product Datasheet

Series

1RU Housing



The U-Series 1RU Housing can house up to 5 U-Series cassettes with the capacity to scale up to 120 LC ports and 960 fibers using an MPO interface.

Compact to facilitate installation in shallow-depth racks, it allows for front and rear cassette installation and is compatible with U-Series MPO, pre-terminated, and splice cassettes.

Technical Specifications

Dimensions

479 mm (W) x 226 mm (D) x 44.4 mm (H)

Material

CR4 Steel
Aluminum
ABS

Operating temperature

-20°C to +50°C

Maximum fiber count

60F (LC/SC)
120F (LC)
960F (MPO)

Material coating

Powder

Materials compliant to

RoHS, Reach / SVHC

Cable entry

Left and right

Color

Black

Ordering Information

Part Number	Description Characteristic
FXUCXXBXXX-01BH	U-Series 1RU Housing 5 Modules Front Door+Rear Mgt
FXUCXXBXXX-01BK	U-Series 1RU Housing 5 Modules Rear Mgt+No door

View Product Datasheet

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Rack-Mountable Housing and Cassette Overview

For a robust, tray-based deployment:

4RU

576F (LC)
3,456F (MPO)
12 Trays

2RU

288F (LC)
1,728F (MPO)
6 Trays

1RU

144F (LC)
864F (MPO)
3 Trays

Splice Cassette

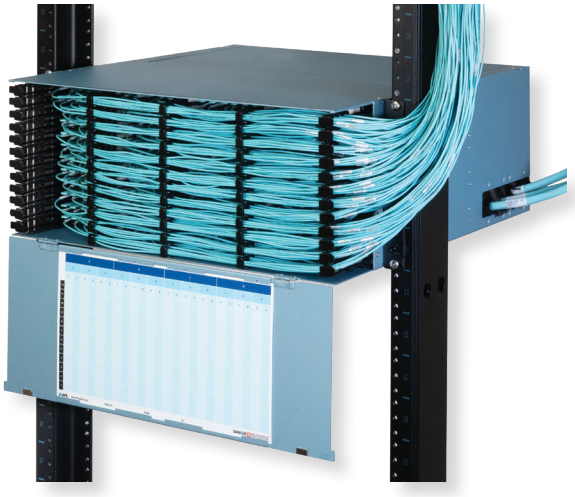
12F LC Ribbon / Single

ASCEND

4RU Fiber Housing

Features and Benefits

- High-density: 4RU / 576F (LC) 3456F (MPO) — 12 trays per housing
- Designed for 19" rack, optional 23" rack mount kit available
- Galvannealed steel construction
- Hinged front and rear doors and removable back cover
- BASE-8, BASE-12, and BASE-24 compatibility
- Interchangeable cassette options for multiple applications
- Cassettes install independently from front or rear of housing
- Trunk cable management area accommodates ASCEND® trunk cable assemblies equipped with integrated cable mounting clip
- Compatible with all ASCEND cassettes



Technical Specifications

Dimensions

176.5 x 444.5 x 500 mm
7.0 x 17.50 x 19.7 in.

Weight

15.5 kg
34.2 lb

Fiber Density

576F (LC)
3,456F (MPO)
12 Trays

Material

Metal Components: 16 GA Steel per ASTM A366
Plastic Components: UL 94 V-2 minimum

Cassette Capacity

72 x BASE-8 Cassettes (6 per tray)
48 x BASE-12 Cassettes (4 per tray)
24 x BASE-24 Cassettes (2 per tray)

Color

Blue

Ordering Information

Part Number	Description Characteristic
ASCEND-4RU-8-RT	ASCEND Housing, 4RU, BASE-8 Trays
ASCEND-4RU-12-RT	ASCEND Housing, 4RU, BASE-12 Trays
ASCEND-4RU-24-RT	ASCEND Housing, 4RU, BASE-24 Trays

View Product Datasheet

ASCEND

2RU Fiber Housing

Features and Benefits

- High-density: 2RU / 288F (LC) 1728F (MPO) — 6 trays per housing
- Designed for 19" rack, optional 23" rack mount kit available
- Galvannealed steel construction
- Hinged front and rear doors and removable back cover
- BASE-8, BASE-12, and BASE-24 compatibility
- Interchangeable cassette options for multiple applications
- Cassettes install independently from front or rear of housing
- Trunk cable management area accommodates ASCEND® trunk cable assemblies equipped with integrated cable mounting clip
- Compatible with all ASCEND cassettes

Technical Specifications

Dimensions

87.6 x 444.5 x 500 mm
3.5 x 17.50 x 19.7 in.

Material

Metal Components: 16 GA Steel per ASTM A366
Plastic Components: UL 94 V-2 minimum

Weight

10 kg
22 lb

Cassette Capacity

36 x BASE-8 Cassettes (6 per tray)
24 x BASE-12 Cassettes (4 per tray)
12 x BASE-24 Cassettes (2 per tray)

Fiber Density

288F (LC)
1,728F (MPO)
6 Trays

Color

Blue

Ordering Information

Part Number	Description Characteristic
ASCEND-2RU-8-RT	ASCEND Housing, 2RU, BASE-8 Trays
ASCEND-2RU-12-RT	ASCEND Housing, 2RU, BASE-12 Trays
ASCEND-2RU-24-RT	ASCEND Housing, 2RU, BASE-24 Trays

View Product Datasheet

ASCEND

1RU Fiber Housing

Features and Benefits

- High-density: 1RU / 288F (LC) 864F (MPO) — 3 trays per housing
- Designed for 19" rack, optional 23" rack mount kit available
- Galvannealed steel construction
- Hinged front and rear doors and removable back cover
- BASE-8, BASE-12, and BASE-24 compatibility
- Interchangeable cassette options for multiple applications
- Cassettes install independently from front or rear of housing
- Trunk cable management area accommodates ASCEND® trunk cable assemblies equipped with integrated cable mounting clip
- Compatible with all ASCEND cassettes

Technical Specifications

Dimensions

44.5 x 444.5 x 500 mm
1.75 x 17.50 x 19.7 in.

Material

Metal Components: 16 GA Steel per ASTM A366
Plastic Components: UL 94 V-2 minimum

Weight

5.8 kg
12.8 lb

Cassette Capacity

18 x BASE-8 Cassettes (6 per tray)
12 x BASE-12 Cassettes (4 per tray)
6 x BASE-24 Cassettes (2 per tray)

Fiber Density

144F (LC)
864F (MPO)
3 Trays

Color

Blue

Ordering Information

Part Number	Description Characteristic
ASCEND-1RU-8-RT	ASCEND Housing, 1RU, BASE-8 Trays
ASCEND-1RU-12-RT	ASCEND Housing, 1RU, BASE-12 Trays
ASCEND-1RU-24-RT	ASCEND Housing, 1RU, BASE-24 Trays

View Product Datasheet

ASCEND

Splice Cassettes

ASCEND® Splice Cassettes include 250 µm pre-terminated single-fiber pigtails, or one SpiderWeb Ribbon® (SWR®) pigtail, that are loaded within the cassette and can be spliced directly to loose (or ribbon) fiber cable.

All splice cassettes feature VFL-compatible shuttered LC adapters with up to 12-fiber capacity. Available in single-mode and multimode fiber types, cassettes leverage a snap-in splice sleeve cradle to securely manage both single and ribbon fiber arrangements. A clear, removable cover allows for easy fiber viewing and access.

Splice cassettes are compatible with all BASE-12 ASCEND housings and can be independently installed easily from the front or rear onto a sliding tray system. This allows access to individual connections while minimizing disruption to other fiber connections.

Features and Benefits

- Up to 12-fiber interconnection capacity SM, MM (OM3), MM (OM4), and MM (OM5)
- Compatible with SWR or single fiber with no other equipment required
- 250 µm color-coded single fibers or SWR options
- VFL-compatible shuttered Quad LC adapters
- Clear, removable cover for viewing and access
- Splice holder can change from a ribbon splice holder to a single fiber holder with one simple flip
- Organized fiber routing
- BASE-12 tray configurations only
- Install independently from front or rear of housing

Ordering Information

Part Number	Description Characteristic
A12-SPC-LU-S	ASCEND-12 Splice Cassette, LC/UPC, SM, Stranded Pigtail
A12-SPC-LA-S	ASCEND-12 Splice Cassette, LC/APC, SM, Stranded Pigtail
A12-SPC-L3-S	ASCEND-12 Splice Cassette, LC/PC, OM3, Stranded Pigtail
A12-SPC-L4-S	ASCEND-12 Splice Cassette, LC/PC, OM4, Stranded Pigtail
A12-SPC-LU-R	ASCEND-12 Splice Cassette, LC/UPC, SM, SWR Pigtail
A12-SPC-LA-R	ASCEND-12 Splice Cassette, LC/APC, SM, SWR Pigtail
A12-SPC-L3-R	ASCEND-12 Splice Cassette, LC/PC, OM3, SWR Pigtail
A12-SPC-L4-R	ASCEND-12 Splice Cassette, LC/PC, OM4, SWR Pigtail

View Product Datasheet

Series

Rack-Mountable Housing and Cassette Overview

For a space-saving, shallow-depth, front-access-only deployment:

7RU

576F (LC), 1728F (12-fiber MPO), 3456F (24-fiber MPO)

Splice Only Cassette

24F

Series

7RU Housing

Features and Benefits

- 7RU housing can accommodate 24 H-Series cassettes and a total of 576 LC ports
- Available unloaded allowing you to add cassettes as your network grows
- Housing is robust but made out of lightweight aluminum alloy, enabling one-person installation
- Slim-depth housing is ideal for shallow rack environments
- Easy access makes adding, removing, or swapping cassettes simple and straightforward

Contact us to find out more about how to accommodate high-density MPO solutions

Technical Specifications

Dimensions
308 mm (H) 438.6 mm (W) x 260 mm (D)

Material
Aluminum alloy

Color
Black

Maximum fiber count
576F (LC), 1728F 12-fiber MPO), 3456F (24-fiber MPO)

Material thickness
1.5 mm

Operating temperature
-20°C + 50°C

Cable entry
Left and right

Material coating
Powder

Compliant to
RoHS, Reach, SVHC

Ordering Information

Part Number	Description Characteristic
FXHEXXBXXX-03ZZ	H-Series 7RU Slim Depth for 24 Cassette

View Product Datasheet

Series

Splice Only Cassette

The H-Series Splice Only Cassette is specifically designed for splice-through applications, allowing the use of the H-Series 7RU Housing as a ribbon fiber cable distribution point. Utilized in combination with a breakout box, it eases the transition of high-core-count cable to smaller footprints via individual 24F cassettes.

The cassette features separate, clearly identified ports for incoming and outgoing fibers as well as internal fiber management to support the ribbon fiber inside. Its detachable design allows it to be easily handled and for splicing to take place away from the final rack position, easing installation.

Features and Benefits

- Designed for splice-through application
- Cassette is wider than many other cassettes on the market, facilitating easy splicing/fiber routing
- Pre-loaded fiber routing clips for easier installation
- Gland fit for 2.5-6mm diameter cable on the incoming and outgoing port

Technical Specifications

Dimensions
17 mm (H) x 216.5 mm (W) x 174 mm (D)

Material thickness
1.2 mm

Operating temperature
-20°C + 50°C

Maximum fiber count
24F

Material coating
Powder

Compliant to
RoHS, Reach, SVHC

Material
Aluminum alloy

Color
Black

Ordering Information

Part Number	Description Characteristic
AXHG24BXXX-05ZZ	H-Series 24F Pass Through Cassette

View Product Datasheet

Accessories
(Test, Inspection & Cleaning)

FOCIS
Flex

- Liquid lens camera technology
- Auto-focus, auto-centering, PASS/FAIL analysis, and save
- A wide range of cross-compatible adapter tips
- Bluetooth pairing to smart device apps and integration with aeRos®

Part Number	Description
FOCIS-FLX-P4XUA	FOCIS Flex Kit with 4 user-selected UPC & APC adapter tips (ferrule and bulkhead)

FlexScan®
FS200 OTDR

- High-resolution, dual-wavelength single-mode testing
- Easy-to-understand LinkMap® results with PASS/FAIL
- FleXpress® mode completes OTDR test in <5 seconds
- 12F MPO testing with optional Multi-Fiber Switch
- Bluetooth, WiFi, and USB enabled
- TRM® Reporting Software

Part Number	Description
FS200-100-BAS-P1-W1	FlexScan® FS200 1310/1550nm OTDR with OPM/OLS/VFI

OFI-BIPMe
Optical Fiber Identifier

- World-class signal detection sensitivity
- Positive-stop trigger lock for optimum detection
- Integrated optical power meter
- 2.4" color touchscreen with backlight
- Up to 4 Tones detection (OFI-BIPMe only)

Part Number	Description
OFI-BIPMe	BI Enhanced Optical Fiber Identifier with integrated Optical Power Meter. The kit includes one 2.5 mm Universal Power Meter Port Adapter, BIPM-00-25.

One-Click® Cleaners
LC/MU/SC/ST/FC/MPO

- One-Click Cleaner D-LC, Duplex LC
- One-Click Cleaner MU/LC
- One-Click Cleaner SC/ST/FC
- One-Click Cleaner MPO

Part Number	Description
8500-05-0008MZ	One-Click® Cleaner D-LC, Duplex LC (2 x 500+ cleans)
8500-05-0002MZ	One-Click® Cleaner MU/LC (500 cleans)
8500-05-0001MZ	One-Click® Cleaner SC/ST/FC (500 cleans)
8500-05-0030MZ	One-Click® Cleaner MPO (500 cleans)

Data Center Cabling and Connectivity Experts

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.

AFL works 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 of 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 company Fujikura, the pioneer in optical technology. AFL is your dependable partner to build a more connected world.

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