



**FAFL**

**ENTERPRISE SELECTION GUIDE**

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## ASCEND® Solutions

With increasing bandwidth demands, you must rise above today's standards. AFL's new ASCEND solutions are not built for what you need today, but what you will need tomorrow. The ASCEND platform is a modular, high-density, rack-mount solution designed for data centers, central offices, headends and structured cabling networks. Whether supporting incremental growth or a full-scale deployment, our ASCEND solutions deliver optimal fiber management in an easy to use, scalable platform.

ASCEND housings are compatible with a wide variety of ASCEND optical cassettes which can be mixed and matched within the same enclosure to offer plug-and-play versatility in **BASE-8, BASE-12 or BASE-24** configurations. Cassettes can be independently installed from the front or rear of the housing onto a sliding tray system.

The ASCEND platform is comprised of four main pillars:



Fiber Housings



Tap Cassettes



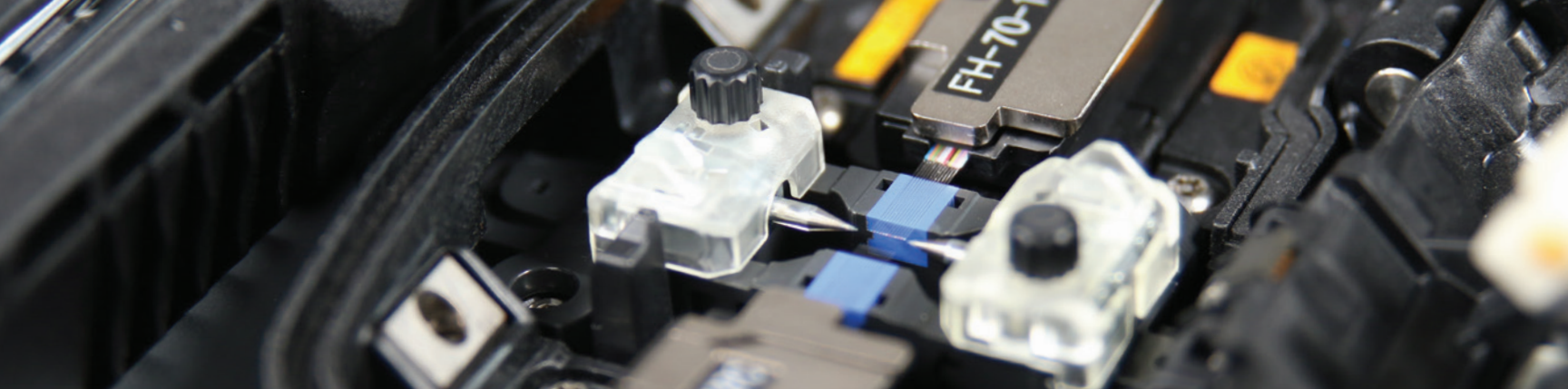
Trunk Cable Assemblies



Patch Cord Assemblies

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## Fujikura 90S+ and 90R Fusion Splicers

These splicers feature ergonomic improvements, combined with enhancements to automate operation, and are designed to maximize productivity in the field and minimize downtime for routine maintenance.



### 90S+ Fusion Splicer

- Cleaver tracking and upkeep with wireless communication
- Improved real-time arc control for fibers with poor cleave angles
- Loose and tight buffer with same sheath clamp
- Graphical User Interface with 5" Touchscreen
- Multi-function transit case with integrated workstation



### 90R Fusion Splicer

- Cleaver tracking and upkeep with wireless communication
- User replaceable v-grooves
- 200  $\mu\text{m}$  and 250  $\mu\text{m}$  SWR universal ribbon prep accessories
- Graphical User Interface with 5" Touchscreen
- Multi-function transit case with integrated workstation

**VIEW MORE  
SPLICERS  
ON PAGE 21**

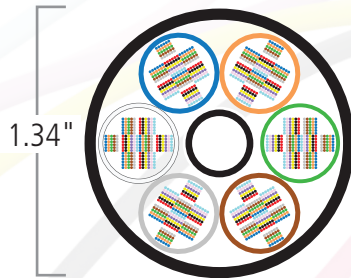
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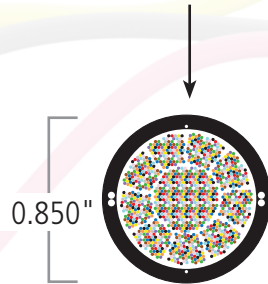
## Wrapping Tube Cable (WTC) with SpiderWeb Ribbon® (SWR®)

Ultra-high density outside plant cable designed specifically for fiber-to-the-home (FTTH) or access markets. It is compliant with the latest issue of the outside plant cable standard, Telcordia GR-20. With an ultra-high density and a new ribbon technology called SpiderWeb Ribbon, WTC provides the smallest cable diameter and lowest weight, high-fiber count ribbon cable in the industry. Using 250  $\mu\text{m}$  fiber, fiber counts are available from 144 fibers to 1728 fibers in dielectric or double jacket single armor. Using 200  $\mu\text{m}$  fiber, fiber counts are available from 1728 fibers to 6912 fibers in dielectric only.

### ACTUAL SIZE



Typical 1728 Fiber  
RILT Construction

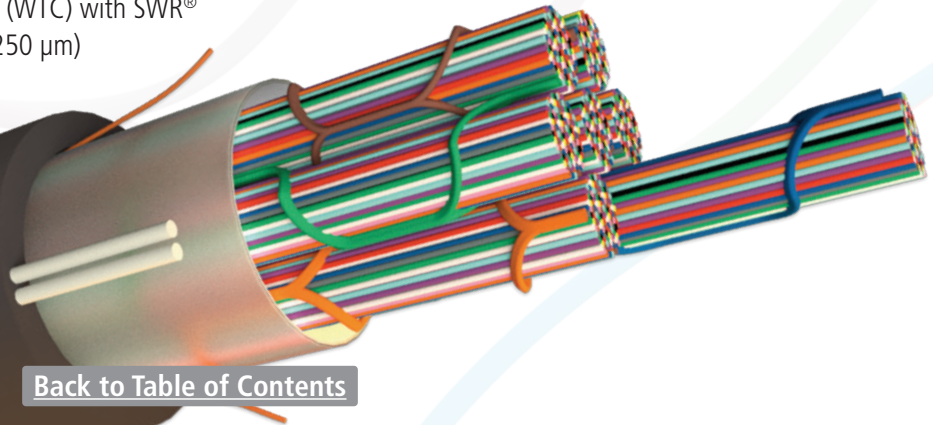


**1728 Fiber (200  $\mu\text{m}$ )**  
Wrapping Tube Cable (WTC) with SWR®  
(0.91" for 250  $\mu\text{m}$ )

**Non-Ribbon Ribbon** – The technology packed into our patented rollable SpiderWeb Ribbon gives easy access to every fiber and allows for quick ribbon splicing.

**Smaller Diameter** – Reduce your storage and shipping cost while maintaining the high fiber count necessary for the install. The revolutionary Wrapping Tube Cable is up to 73% lighter than today's ribbon cables.

**High Density** – Pack up to 51% more fibers into the diameter of Wrapping Tube Cable than today's ribbon cable.



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## FlexScan® FS300 Quad OTDR

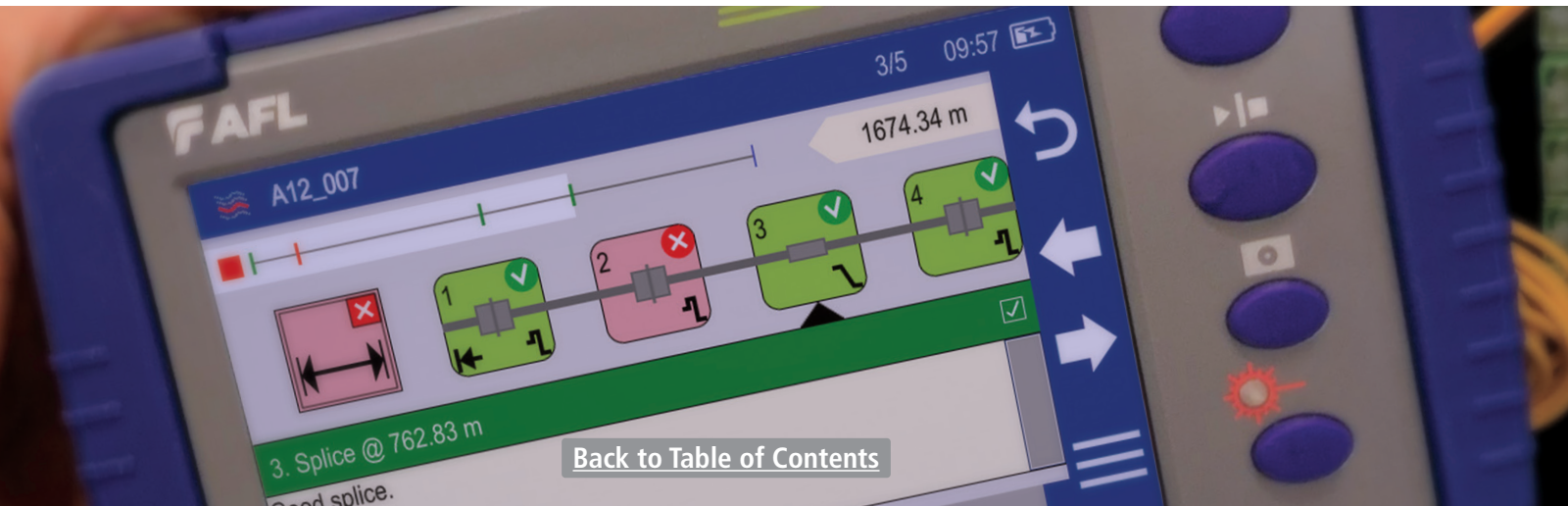
Pocket sized and performance packed, the FS300 automates test set up, shortens test time and simplifies result interpretation. It enables both expert and novice technicians to quickly and accurately detect, locate, identify and measure optical network components and faults.

### Simplify Network Troubleshooting

SmartAuto® mode launches with just the click of a button to test the network using multiple, network-optimized pulse widths. Results are displayed using LinkMap® color-coded icons that clearly identify event type & pass/fail status, fiber start, end, connectors, splices, PON splitters, and macro-bends. Traditional trace view is also available.

### More Than Just an OTDR

The FlexScan FS300 includes an integrated power meter, light source and visual fault locator and optional connector inspection scope. It can transfer via Bluetooth, phone based application or USB for real time reporting for real-time monitoring and/or reporting using the included PC-based TRM® 3.0 Test Results Manager software.

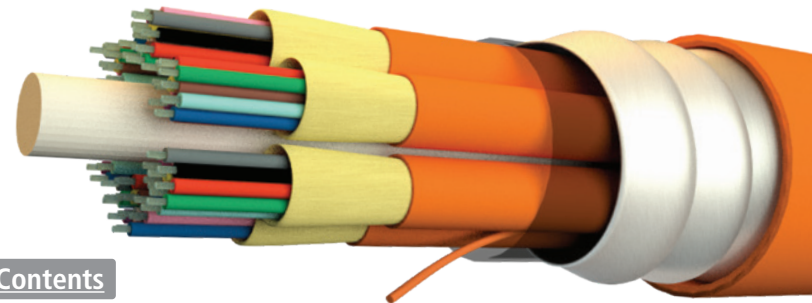


## OM1 (62.5 μm Multimode)

CABLES						
FIBER COUNT	TIGHT BUFFERED CABLE		TIGHT BUFFERED ARMORED (METALLIC)		2.0MM ZIP CORD	
	Plenum	Riser	Plenum	Riser	Plenum	Riser
6 Fiber	CP0066441201	CR0066441201	CP0066441201-AIAP	CR0066441201-AIAR	ZP0026201201	ZR0026201201
12 Fiber	CP0126551201	CR0126551201	CP0126551201-AIAP	CR0126551201-AIAR		
24 Fiber	CP0246841201	CR0246841201	CP0246841201-AIAP	CR0246841201-AIAR	3.0MM ZIP CORD	
48 Fiber	CP0486551221	CR0486501221	CP0486551221-AIAP	CR0486501221-AIAR	Plenum	Riser
72 Fiber	CP0726551221	CR0726501221	CP0726551221-AIAP	CR0726501221-AIAR	ZP0026301201	ZA0026301201
144 Fiber	CP1446551221	CR1446501221	CP1446551221-AIAP	CR1446501221-AIAR		
FIBER COUNT	INDOOR/OUTDOOR TIGHT BUFFERED		INDOOR/OUTDOOR TIGHT BUFFERED ARMORED		INDOOR/OUTDOOR LOOSE TUBE	
	Plenum	Riser	Plenum	Riser	Plenum	Riser
6 Fiber	KQ0066541801	KR0066531801	KQ0066541801-AIAP	KR0066531801-AIAR	–	LV0066C5101N1D
12 Fiber	KQ0126611801	KR0126651801	KQ0126611801-AIAP	KR0126651801-AIAR	LQ01263018XB:C4C	LV0126C5101N1D
24 Fiber	KQ0246791801	KR0246871801	KQ0246791801-AIAP	KR0246871801-AIAR	LQ02463018XB:C4C	LV0246C5101N1D
48 Fiber	KQ0486591881	KR0486611881	KQ0486591881-AIAP	KR0486611881-AIAR	LQ04863018XB:C4C	LV0486C5101N1D
72 Fiber	KQ0726591881	KR0726611881	KQ0726591881-AIAP	KR0726611881-AIAR	LQ07263018XB:C6C	LV0726C6101N1D

STANDARD ADAPTER PLATES (BLACK – LGX®-118)			
FIBER COUNT	LC	SC DUPLEX	ST DUPLEX
6	–	FM003285	FM003102
12	FM003110	FM003293	FM003126
24	FM003204	–	–
RACK MOUNT PANELS			
1RU (XFM)	FM002711-BE	Accepts up to 3 adapter plates or 3 splice modules	
2RU (XFM)	FM002712-BE	Accepts up to 6 adapter plates or 6 splice modules	
4RU (XFM)	FM001090-B	Accepts up to 12 adapter plates or 12 splice modules	
WALL MOUNT PANELS			
WME-01	WME01E	Accepts up to 1 adapter plates or 1 splice module	
WME-02	WME02E	Accepts up to 2 adapter plates or 2 splice modules	
WME-04	WME04E	Accepts up to 4 adapter plates or 4 splice modules	
WME-12	WME12E	Accepts up to 12 adapter plates or 12 splice modules	
WALL MOUNT ACCESSORIES			
DIN Rail Mount for WME01		FM003388	

PIGTAILED SPLICE MODULES (POLI-MOD®)			
FIBER COUNT	LC	SC DUPLEX	ST DUPLEX
6	PM-L-06-PLC-1-S-01	PM-L-06-PSC-1-S-01	PM-L-06-PST-1-S-01
12	PM-L-12-PLC-1-S-01	PM-L-12-PSC-1-S-01	PM-L-12-PST-1-S-01
24	PM-L-24-PLC-1-S-01	–	–



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### FIELD-INSTALLABLE CONNECTORS

TERMINATION	LC	ST	SC	CONNECTORS/PACK
FUSEConnect® (Splice on) +	FUSE-LC9M62-6	FUSE-ST9M62-6	FUSE-SC9M62-6	6
FASTConnect® (Mechanical) *	FAST-LC-MM62.5-6	FAST-ST-MM62.5-6	FAST-SC-MM62.5-6	6
Field Master® (Anaerobic) **	CS000321	CS000316	CS000308	100

+ Connectors come in 2 mil and 3 mil (contact AFL for specific part numbers)

\* 100 for packs of 100 FAST Connectors

\*\* 3 mil boots available

### FUSECONNECT® MPO SPLICE-ON CONNECTORS WITH HEAT SLEEVE

TERMINATION	AFL NO.	CONNECTORS/PACK
MPO, PC, Male (guide pins)	FUSEMPO-S-MM6-3-M-6	6
MPO, PC, Female (no guide pins)	FUSEMPO-S-MM6-3-F-6	6

\*Requires Fujikura 90R Ribbon Splicer

### SEALED SPLICE CLOSURES

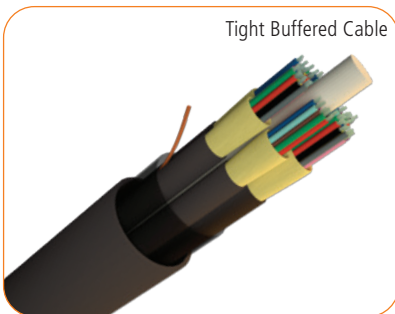
MODEL	SPLICE CAPACITY	CLOSURE PART NO.	TRAY*	TRAY PART NO.
Apex® X-2S	216 Single, 432 ribbon, 1728 SWR	AX-2S-B-L-1-2-0-X	X-2S Tray	AX-TRAY-2S-2
LG-150	48 Single Splice Capacity (max 4 trays)	FC000001-PS	LL-2450	91958-00
LG-250	144 Single Splice Capacity (max 4 trays)	FC000002-PS	LL-2400	91710-06

\* Alternative splice trays available; contact AFL for part numbers.

\*\* Check out the new Apex Sealed Splice Closure and part number configurator on [page 27](#).

### FANOUT KITS

DESCRIPTION	AFL NO.
Fanout kit, 1 position base (2.0-3.8 mm), 900 µm, 12 tubes, 1 M	FAN1-9-012-A-01



### TOOLS AND TOOL KITS

SPLICERS AND ACCESSORIES	AFL NO.
90S+ Splicer Kit (Core Alignment splicer with cleaver)	S017521
90R Splicer Kit (Ribbon)	S017511
41S+ Splicer Kit (Clad Alignment splicer with cleaver)	S017091
FAT-04 Fiber Arrangement Tool (Ribbonizer)	S010212
Splice Protection Sleeves (60 mm single – QTY: 1000)	S015915
Splice Protection Sleeves (40 mm ribbon – QTY: 250)	S003027
Splicer Cleaning Kit	S014397
CONNECTOR TOOLS AND TOOL KITS	AFL NO.
Field Master Tool Kit (anaerobic)	FM000065
Crimp Tool (Field Master)	CS000337
FASTConnect Tool Kit (mechanical)	CS001201
FUSEConnect Tool Kit	FUSE-TL-KT
FUSEConnect Accessory Kit	FUSE-AC-KT
FUSEConnect MPO Tool Kit	FUSEMPO-TL-KT
Cleaning Kit	FCP2-10-0900
One-Click® Cleaner (SC, ST, FC – 500+ Cleans)	8500-05-0001MZ
One-Click Cleaner (MU, L C – 500+Cleans)	8500-05-0002MZ



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## OM3 (50 µm Multimode 10 Gig)

CABLES							
FIBER COUNT	TIGHT BUFFERED CABLE		TIGHT BUFFER ARMORED (METALLIC)		2.0MM ZIP CORD		
	Plenum	Riser	Plenum	Riser	Plenum	Riser	
6 Fiber	CP006L441C01-BIF	CR006L441C01-BIF	CP006L441C01-BIF-AIAP	CR006L441C01-BIF-AIAR	ZP002L201C01-BIF	ZR002L201C01-BIF	
12 Fiber	CP012L551C01-BIF	CR012L551C01-BIF	CP012L551C01-BIF-AIAP	CR012L551C01-BIF-AIAR			
24 Fiber	CP024L841C01-BIF	CR024L841C01-BIF	CP024L841C01-BIF-AIAP	CR024L841C01-BIF-AIAR			
48 Fiber	CP048L551CC1-BIF	CR048L501CC1-BIF	CP048L551CC1-BIF-AIAP	CR048L501CC1-BIF-AIAR			
72 Fiber	CP072L551CC1-BIF	CR072L501CC1-BIF	CP072L551CC1-BIF-AIAP	CR072L501CC1-BIF-AIAR	ZP002L301C01-BIF	ZA002L301C01-BIF	
144 Fiber	CP144L551CC1-BIF	CR144L501CC1-BIF	CP144L551CC1-BIF-AIAP	CR144L501CC1-BIF-AIAR			
FIBER COUNT	INDOOR/OUTDOOR TIGHT BUFFERED		INDOOR/OUTDOOR TIGHT BUFFERED ARMORED		INDOOR/OUTDOOR LOOSE TUBE		
	Plenum	Riser	Plenum	Riser	Plenum	Riser	
6 Fiber	KQ006L541801-BIF	KR006L531801-BIF	KQ006L541801-BIF-AIAP	KR006L531801-BIF-AIAR	–	LV006LC5101N1D	
12 Fiber	KQ012L611801-BIF	KR012L651801-BIF	KQ012L611801-BIF-AIAP	KR012L651801-BIF-AIAR	LQ012L3018XB:C4C	LV012LC5101N1D	
24 Fiber	KQ024L791801-BIF	KR024L871801-BIF	KQ024L791801-BIF-AIAP	KR024L871801-BIF-AIAR	LQ024L3018XB:C4C	LV024LC5101N1D	
48 Fiber	KQ048L591881-BIF	KR048L611881-BIF	KQ048L591881-BIF-AIAP	KR048L611881-BIF-AIAR	LQ048L3018XB:C4C	LV048LC5101N1D	
72 Fiber	KQ072L591881-BIF	KR072L611881-BIF	KQ072L591881-BIF-AIAP	KR072L611881-BIF-AIAR	LQ072L3018XB:C8C	LV072LC6101N1D	
96 Fiber	–	–	–	–	LQ096L3018XB:C8C	LV096LC8101N1D	
144 Fiber	–	–	–	–	LQ144L3018XB:CCC	LV144LCC101N1D	

STANDARD ADAPTER PLATES (BLACK – LGX®-118)			
FIBER COUNT	LC	SC DUPLEX	ST DUPLEX
6	FM004252	FM003287	FM003102
12	FM003112	FM003295	FM003126
24	FM003206	–	–
RACK MOUNT PANELS			
1RU (XFM)	FM002711-BE	Accepts up to 3 adapter plates or 3 splice modules	
2RU (XFM)	FM002712-BE	Accepts up to 6 adapter plates or 6 splice modules	
4RU (XFM)	FM001090-B	Accepts up to 12 adapter plates or 12 splice modules	
WALL MOUNT PANELS			
WME-01	WME01E	Accepts up to 1 adapter plate or 1 splice module	
WME-02	WME02E	Accepts up to 2 adapter plates or 2 splice modules	
WME-04	WME04E	Accepts up to 4 adapter plates or 4 splice modules	
WME-12	WME12E	Accepts up to 12 adapter plates or 12 splice modules	
WALL MOUNT ACCESSORIES			
DIN Rail Mount for WME01	FM003388		

PIGTAILED SPLICE MODULES (POLI-MOD®)*			
FIBER COUNT	LC	SC DUPLEX	ST DUPLEX
6	PM-L-06-PLC-3-S-01	PM-L-06-PSC-3-S-01	PM-L-06-PST-3-S-01
12	PM-L-12-PLC-3-S-01	PM-L-12-PSC-3-S-01	PM-L-12-PST-3-S-01
24	PM-L-24-PLC-3-S-01	–	–

\* Ribbon Cassettes available; contact AFL for part numbers



Xpress Fiber Management® (XFM®) 4RU Panel

### FIELD-INSTALLABLE CONNECTORS

TERMINATION	LC	ST	SC	CONNECTORS/PACK
FUSEConnect® (Splice on) +	FUSE-LC9M50L-6	FUSE-ST9M50L-6	FUSE-SC9M50L-6	6
FASTConnect® (Mechanical) *	FAST-LC-MM50L-6	FAST-ST-MM50L-6	FAST-SC-MM50L-6	6
Field Master® (Anaerobic) **	CS000320	CS000316	CS000308	100

+ Connectors come in 2 mil and 3 mil (contact AFL for specific part numbers)

\* 100 for packs of 100 FAST Connectors

\*\* 3 mil boots available

### FUSECONNECT® MPO SPLICE-ON CONNECTORS WITH HEAT SLEEVE

TERMINATION	AFL NO.	CONNECTORS/PACK
MPO, PC, Male (guide pins)	FUSEMPO-S-OM4-3-M-6	6
MPO, PC, Female (no guide pins)	FUSEMPO-S-OM4-3-F-6	6

\*Requires Fujikura 90R Ribbon Splicer

### SEALED SPLICE CLOSURES

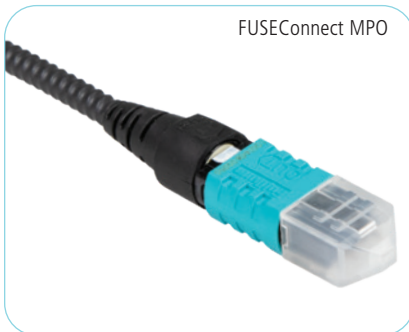
MODEL	SPLICE CAPACITY	CLOSURE PART NO.	TRAY*	TRAY PART NO.
Apex® X-2S	216 Single, 432 ribbon, 1728 SWR	AX-2S-B-L-1-2-0-X	X-2S Tray	AX-TRAY-2S-2
LG-150	48 Single Splice Capacity (max 4 trays)	FC000001-PS	LL-2450	91958-00
LG-250	144 Single Splice Capacity (max 4 trays)	FC000002-PS	LL-2400	91710-06

\* Alternative splice trays available; contact AFL for part numbers.

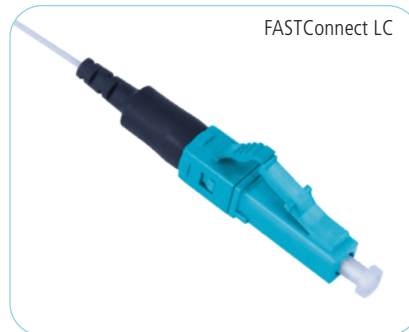
\*\* Check out the new Apex Sealed Splice Closure and part number configurator on [page 27](#).

### FANOUT KITS

DESCRIPTION	AFL NO.
Fanout kit, 1 position base (2.0-3.8 mm), 900 µm, 12 tubes, 1 M	FAN1-9-012-A-01



FUSEConnect MPO



FASTConnect LC

### TOOLS AND TOOL KITS

SPLICERS AND ACCESSORIES	AFL NO.
90S+ Splicer Kit (Core Alignment splicer with cleaver)	S017521
90R Splicer Kit (Ribbon)	S017511
41S+ Splicer Kit (Clad Alignment splicer with cleaver)	S017091
FAT-04 Fiber Arrangement Tool (Ribbonizer)	S010212
Splice Protection Sleeves (60 mm single – QTY: 1000)	S015915
Splice Protection Sleeves (40 mm ribbon – QTY: 250)	S003027
Splicer Cleaning Kit	S014397

CONNECTOR TOOLS AND TOOL KITS	AFL NO.
Field Master Tool Kit (anaerobic)	FM000065
Crimp Tool (Field Master)	CS000337
FASTConnect Tool Kit (mechanical)	CS001201
FUSEConnect Tool Kit	FUSE-TL-KT
FUSEConnect Accessory Kit	FUSE-AC-KT
FUSEConnect MPO Tool Kit	FUSEMPO-TL-KT
Cleaning Kit	FCP2-10-0900
One-Click® Cleaner (SC, ST, FC – 500+ Cleans)	8500-05-0001MZ
One-Click Cleaner (MU, LC – 500+Cleans)	8500-05-0002MZ
One-Click Cleaner MPO	8500-05-0030MZ

**VIEW MORE  
SPLICERS  
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# OM4 (50 μm Multimode Laser Optimized)

CABLES						
FIBER COUNT	TIGHT BUFFERED CABLE		TIGHT BUFFER ARMORED (METALLIC)		2.0MM ZIP CORD	
	Plenum	Riser	Plenum	Riser	Plenum	Riser
6 Fiber	CP006C441C01-BIF	CR006C441C01-BIF	CP006C441C01-BIF-AIAP	CR006C441C01-BIF-AIAR	ZP002C201C01-BIF	ZR002C201C01-BIF
12 Fiber	CP012C551C01-BIF	CR012C551C01-BIF	CP012C551C01-BIF-AIAP	CR012C551C01-BIF-AIAR		
24 Fiber	CP024C841C01-BIF	CR024C841C01-BIF	CP024C841C01-BIF-AIAP	CR024C841C01-BIF-AIAR		
48 Fiber	CP048C551CC1-BIF	CR048C501CC1-BIF	CP048C551CC1-BIF-AIAP	CR048C501CC1-BIF-AIAR		
72 Fiber	CP072C551CC1-BIF	CR072C501CC1-BIF	CP072C551CC1-BIF-AIAP	CR072C501CC1-BIF-AIAR	ZP002C301C01-BIF	ZA002C301C01-BIF
144 Fiber	CP144C551CC1-BIF	CR144C501CC1-BIF	CP144C551CC1-BIF-AIAP	CR144C501CC1-BIF-AIAR		
FIBER COUNT	INDOOR/OUTDOOR TIGHT BUFFERED		INDOOR/OUTDOOR TIGHT BUFFERED ARMORED		INDOOR/OUTDOOR LOOSE TUBE	
	Plenum	Riser	Plenum	Riser	Plenum	Riser
6 Fiber	KQ006C541801-BIF	KR006C531801-BIF	KQ006C541801-BIF-AIAP	KR006C531801-BIF-AIAR	–	LV006CC5101N1D
12 Fiber	KQ012C611801-BIF	KR012C651801-BIF	KQ012C611801-BIF-AIAP	KR012C651801-BIF-AIAR	LQ012C3018CB:C4C	LV012CC5101N1D
24 Fiber	KQ024C791801-BIF	KR024C871801-BIF	KQ024C791801-BIF-AIAP	KR024C871801-BIF-AIAR	LQ024C3018CB:C4C	LV024CC5101N1D
48 Fiber	KQ048C591881-BIF	KR048C611881-BIF	KQ048C591881-BIF-AIAP	KR048C611881-BIF-AIAR	LQ048C3018CB:C4C	LV048CC5101N1D
72 Fiber	KQ072C591881-BIF	KR072C611881-BIF	KQ072C591881-BIF-AIAP	KR072C611881-BIF-AIAR	LQ072C3018CB:C6C	LV072CC6101N1D
96 Fiber	–	–	–	–	LQ096C3018CB:C8C	LV096CC8101N1D
144 Fiber	–	–	–	–	LQ144C3018CB:CCC	LV144CCC101N1D

STANDARD ADAPTER PLATES (BLACK – LGX®-118)			
FIBER COUNT	LC	SC DUPLEX	ST DUPLEX
6	FM004252	FM003287	FM003102
12	FM003112	FM003295	FM003126
24	FM003206	–	–
RACK MOUNT PANELS			
1RU (XFM)	FM002711-BE	Accepts up to 3 adapter plates or 3 splice modules	
2RU (XFM)	FM002712-BE	Accepts up to 6 adapter plates or 6 splice modules	
4RU (XFM)	FM001090-B	Accepts up to 12 adapter plates or 12 splice modules	
WALL MOUNT PANELS			
WME-01	WME01E	Accepts up to 1 adapter plate or 1 splice module	
WME-02	WME02E	Accepts up to 2 adapter plates or 2 splice modules	
WME-04	WME04E	Accepts up to 4 adapter plates or 4 splice modules	
WME-12	WME12E	Accepts up to 12 adapter plates or 12 splice modules	
WALL MOUNT ACCESSORIES			
DIN Rail Mount for WME01	FM003388		

PIGTAILED SPLICE MODULES (POLI-MOD®)*			
FIBER COUNT	LC	SC DUPLEX	ST DUPLEX
6	PM-L-06-PLC-4-S-01	PM-L-06-PSC-4-S-01	PM-L-06-PST-4-S-01
12	PM-L-12-PLC-4-S-01	PM-L-12-PSC-4-S-01	PM-L-12-PST-4-S-01
24	PM-L-24-PLC-4-S-01	–	–

\* Ribbon Cassettes available; contact AFL for part numbers



### FIELD-INSTALLABLE CONNECTORS

TERMINATION	LC	ST	SC	CONNECTORS/PACK
FUSEConnect® (Splice on) +	FUSE-LC9M50L-6	FUSE-ST9M50L-6	FUSE-SC9M50L-6	6
FASTConnect® (Mechanical) *	FAST-LC-MM50L-6	FAST-ST-MM50L-6	FAST-SC-MM50L-6	6
Field Master® (Anaerobic) **	CS000320	CS000316	CS000308	100

+ Connectors come in 2 mil and 3 mil (contact AFL for specific part numbers)

\* 100 for packs of 100 FAST Connectors

\*\* 3 mil boots available

### FUSECONNECT® MPO SPLICE-ON CONNECTORS

TERMINATION	AFL NO.	CONNECTORS/PACK
MPO, PC, Male (guide pins)	FUSEMPO-S-OM4-3-M-6	6
MPO, PC, Female (no guide pins)	FUSEMPO-S-OM4-3-F-6	6

\*Requires Fujikura 90R Ribbon Splicer

### SEALED SPLICE CLOSURES

MODEL	SPLICE CAPACITY	CLOSURE PART NO.	TRAY*	TRAY PART NO.
Apex® X-2S	216 Single, 432 ribbon, 1728 SWR	AX-2S-B-L-1-2-0-X	X-2S Tray	AX-TRAY-2S-2
LG-150	48 Single Splice Capacity (max 4 trays)	FC000001-PS	LL-2450	91958-00
LG-250	144 Single Splice Capacity (max 4 trays)	FC000002-PS	LL-2400	91710-06

\* Alternative splice trays available; contact AFL for part numbers.

\*\* Check out the new Apex Sealed Splice Closure and part number configurator on [page 27](#).

### FANOUT KITS

DESCRIPTION	AFL NO.
Fanout Kit, 1 position base (2.0-3.8 mm), 900 µm, 12 tubes, 1 M	FAN1-9-012-A-01

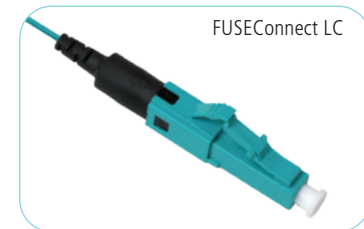
### TOOLS AND TOOL KITS

SPLICERS AND ACCESSORIES	AFL NO.
90S+ Splicer Kit (Core Alignment splicer kit with cleaver)	S017521
90R Splicer Kit (Ribbon)	S017511
41S+ Splicer Kit (Clad Alignment splicer kit with cleaver)	S017091
FAT-04 Fiber Arrangement Tool (Ribbonizer)	S010212
Splice Protection Sleeves (60 mm single – QTY: 1000)	S015915
Splice Protection Sleeves (40 mm ribbon – QTY: 250)	S003027
Splicer Cleaning Kit	S014397
CONNECTOR TOOLS AND TOOL KITS	AFL NO.
Field Master Tool Kit (anaerobic)	FM000065
Crimp Tool (Field Master)	CS000337
FASTConnect Tool Kit (mechanical)	CS001201
FUSEConnect Tool Kit	FUSE-TL-KT
FUSEConnect Accessory Kit	FUSE-AC-KT
FUSEConnect MPO Tool Kit	FUSEMPO-TL-KT
FUSEConnect Ribbonizer Tool	FUSE-R2-TL
Cleaning Kit	FCP2-10-0900
One-Click® Cleaner (SC, ST, FC – 500+ Cleans)	8500-05-0001MZ
One-Click Cleaner (MU, LC – 500+Cleans)	8500-05-0002MZ
One-Click Cleaner MPO	8500-05-0003MZ

**VIEW MORE  
SPLICERS  
ON PAGE 21**



Fanout Kit



FUSEConnect LC

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# Single-Mode

CABLES						
FIBER COUNT	TIGHT BUFFERED CABLE		TIGHT BUFFERED ARMORED (METALLIC)		2.0MM ZIP CORD	
	Plenum	Riser	Plenum	Riser	Plenum	Riser
6 Fiber	CP0006441901	CR0069441901	CP0069441901-AIAP	CP0069441901-AIAR	ZP0029201901	ZR0029201901
12 Fiber	CP0129551901	CR0129551901	CP0129551901-AIAP	CP0129551901-AIAR		
24 Fiber	CP0249841901	CR0249841901	CP0249841901-AIAP	CP0249841901-AIAR	<b>3.0MM ZIP CORD</b>	
48 Fiber	CP0489551991	CR0489501991	CP0489551991-AIAP	CR0489501991-AIAR	Plenum	Riser
72 Fiber	CP0729551991	CR0729501991	CP0729551991-AIAP	CR0729501991-AIAR	ZP0029301901	ZA0029301901
144 Fiber	CP1449551991	CR1449501991	CP1449551991-AIAP	CR1449501991-AIAR		

FIBER COUNT	INDOOR/OUTDOOR TIGHT BUFFERED		INDOOR/OUTDOOR TIGHT BUFFERED ARMORED		INDOOR/OUTDOOR LOOSE TUBE		OSP (NON ARMORED)
	Plenum	Riser	Plenum	Riser	Plenum	Riser	
6 Fiber	KQ0069541801	KR0069531801	KQ0069541801-AIAP	KR0069531801-AIAR	–	LV0069C5101N1D	LM0069C6201N1
12 Fiber	KQ0129611801	KR0129651801	KQ0129611801-AIAP	KR0129651801-AIAR	LQ012930189B:C4C	LV0129C5101N1D	LM0129C6201N1
24 Fiber	KQ0249791801	KR0249871801	KQ0249791801-AIAP	KR0249871801-AIAR	LQ024930189B:C4C	LV0249C5101N1D	LM0249C6201N1
48 Fiber	KQ0489591881	KR0489611881	KQ0489591881-AIAP	KR0489611881-AIAR	LQ048930189B:C4C	LV0489C5101N1D	LM0489C6201N1
72 Fiber	KQ0729591881	KR0729611881	KQ0729591881-AIAP	KR0729611881-AIAR	LQ072930189B:C6C	LV0729C6101N1D	LM0729C6201N1
96 Fiber	–	–	–	–	LQ096930189B:C8C	LV0969C8101N1D	LM0969O6201N1
144 Fiber	–	–	–	–	LQ144930189B:CCC	LV1449CC101N1D	LM1449O6201N1

STANDARD ADAPTER PLATES (BLACK – LGX®-118)				
FIBER COUNT	LC	SC DUPLEX	SC APC DUPLEX	ST DUPLEX
6	FM003092	FM003289	FM003283	FM003102
12	FM003465	FM003297	FM002633	FM003126
24	FM003208	–	–	–

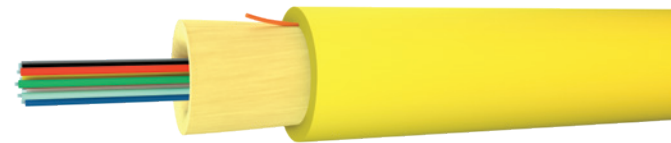
RACK MOUNT PANELS		
1RU (XFM)	FM002711-BE	Accepts up to 3 adapter plates or 3 splice modules
2RU (XFM)	FM002712-BE	Accepts up to 6 adapter plates or 6 splice modules
4RU (XFM)	FM001090-B	Accepts up to 12 adapter plates or 12 splice modules

WALL MOUNT PANELS		
WME-01	WME01E	Accepts up to 1 adapter plate or 1 splice module
WME-02	WME02E	Accepts up to 2 adapter plates or 2 splice modules
WME-04	WME04E	Accepts up to 4 adapter plates or 4 splice modules
WME-12	WME12E	Accepts up to 12 adapter plates or 12 splice modules

WALL MOUNT ACCESSORIES		
DIN Rail Mount for WME01		FM003388

PIGTAILED SPLICE MODULES (POLI-MOD®)*			
FIBER COUNT	LC/ ANGLED LC	SC DUPLEX/ ANGLED SC	ST DUPLEX
6	PM-L-06-ULC-0-S-01	PM-L-06-USC-0-S-01	PM-L-06-UST-0-S-01
	PM-L-06-ALC-0-S-01	PM-L-06-ASC-0-S-01	
12	PM-L-12-ULC-0-S-01	PM-L-12-USC-0-S-01	PM-L-12-UST-0-S-01
	PM-L-12-ALC-0-S-01	PM-L-12-ASC-0-S-01	
24	PM-L-24-ULC-0-S-01	–	–
	PM-L-24-ALC-0-S-01		

\* Ribbon Cassettes available; contact AFL for part numbers



Circular Premise Tight Buffered Cable

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### FIELD-INSTALLABLE CONNECTORS

TERMINATION	LC	ST	SC	ANGLED SC	ANGLED LC	CONNECTORS/PACK
FUSEConnect® (Splice on) +	FUSE-LC9SMU-6	FUSE-ST9SMU-6	FUSE-SC9SMU-6	FUSE-SC9SMA-6	FUSE-LC9SMA-6	6
FASTConnect® (Mechanical) *	FAST-LC-SM-6	FAST-ST-SM-6	FAST-SC-SM-6	FAST-SC-SMAU-6	FAST-LC-SMAU-6	6
Field Master® (Anaerobic) **	CS000322	CS000318	SCS000310			100

+ Connectors come in 2 mil and 3 mil (contact AFL for specific part numbers)

\* 100 for packs of 100 FAST Connectors

\*\* 3 mil boots available

### FUSECONNECT® MPO SPLICE-ON CONNECTORS WITH HEAT SLEEVE

TERMINATION	AFL NO.	CONNECTORS/PACK
Single-mode (OS1), APC, Male	FUSEMPO-S-SMA-3-M-6	6
Single-mode (OS1), APC, Female	FUSEMPO-S-SMA-3-F-6	6
Low Loss single-mode (OS1), APC, Male	FUSEMPO-S-LSMA-3-M-6	
Low Loss single-mode (OS1), APC, Female	FUSEMPO-S-LSMA-3-F-6	

\*Requires Fujikura 90R Ribbon Splicer

### APEX® SEALED SPLICE CLOSURES

MODEL	SPLICE CAPACITY	CLOSURE PART NO.	TRAY*	TRAY PART NO.
Apex-X-2S	216 Single, 432 ribbon, 1728 SWR	AX-2S-B-L-1-2-0-X	X-2S Tray	AX-TRAY-2S-2
Apex-X-2	432 Single, 864 ribbon, 3456 SWR	AX-2-B-L-1-2-0-X	X-2 Tray	AX-TRAY-2-4

\* Alternative splice trays available; contact AFL for part numbers.

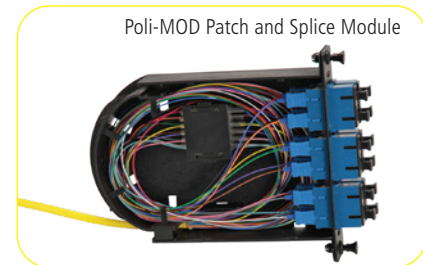
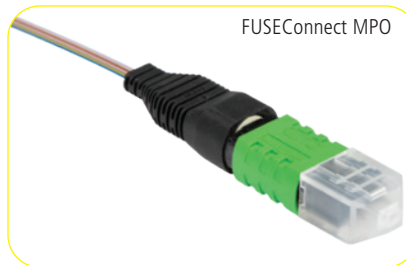
\*\* Check out the new Apex Sealed Splice Closure and part number configurator on [page 27](#).

### FANOUT KITS

DESCRIPTION	AFL NO.
Fanout kit, 1 position base (2.0-3.8 mm), 900 µm, 12 tubes, 1 M	FAN1-9-012-A-01



Apex® X-2S Sealed Splice Closure



### TOOLS AND TOOL KITS

SPLICERS AND ACCESSORIES	AFL NO.
90S+ Splicer Kit (Core Alignment with cleaver)	S017521
90R Splicer Kit (Ribbon)	S017511
41S+ Splicer Kit (Clad Alignment splicer with cleaver)	S017091
FAT-04 Fiber Arrangement Tool (Ribbonizer)	S010212
Splice Protection Sleeves (60 mm single - QTY: 1000)	S015915
Splice Protection Sleeves (40 mm ribbon - QTY: 250)	S003027
Splicer Cleaning Kit	S014397

CONNECTOR TOOLS AND TOOL KITS	AFL NO.
Field Master Tool Kit (anaerobic)	FM000065
Crimp Tool (Field Master)	CS000337
FASTConnect Tool Kit (mechanical)	CS001201
FUSEConnect Tool Kit	FUSE-TL-KT
FUSEConnect Accessory Kit	FUSE-AC-KT
FUSEConnect MPO Tool Kit	FUSEMPO-TL-KT
Cleaning Kit	FCP2-10-0900
One-Click® Cleaner (SC, ST, FC – 500+ Cleans)	8500-05-0001MZ
One-Click Cleaner (MU, LC – 500+Cleans)	8500-05-0002MZ
One-Click Cleaner MPO	8500-05-0030MZ

# ASCEND Solutions OM3 (50 μm Multimode 10 Gig) – High Density Data Center

HOUSINGS			
RACK UNIT	MODEL	BASE-8	BASE-12
1RU	ASCEND 1RU	ASCEND-1RU-8	ASCEND-1RU-12
2RU	ASCEND 2RU	ASCEND-2RU-8	ASCEND-2RU-12
4RU	ASCEND 4RU	ASCEND-4RU-8	ASCEND-4RU-12

\* All hardware comes with 19 inch mounting brackets. Also available are 23 inch mounting brackets.  
 \*\* The AFL No. includes mounting tray for cassettes.

ASCEND ACCESSORIES	
DESCRIPTION	AFL NO.
ASCEND Single Cable Mounting Bracket Kit	FM004451-TB-K-1
ASCEND Dual Cable Mounting Bracket Kit	FM004451-TB-K-2
ASCEND Outback Clip Mounting Bracket, 12 Positions	OCM-12

OPTICAL CASSETTES			
BASE-8		BASE-12	
BASE-8 MPO to LC Fanout Cassette	A8-F1-M1-L3	BASE-12 MPO to LC Fanout Cassette	A12-FC-M1-L3
BASE-8 MPO Patch Cassette	A8-PC-M1	BASE-12 MPO Patch Cassette	A12-PC-M1
BASE-8 LC Patch Cassette	A8-PC-L3	BASE-12 LC Patch Cassette	A12-PC-L3
		BASE-12 Splice Cassette	A12-SPC-L3-S

\* TAP Cassettes are also available.

OM3 JUMPERS (2-FIBER JUMPERS)	
PLS-PLS-P20D-002-L-0001	Reverse Polarity LC 1m*
PLS-PLS-P20D-002-L-0002	Reverse Polarity LC 2m*
PLS-PLS-P20D-002-L-0003	Reverse Polarity LC 3m*

\* Additional lengths available. Contact AFL for ordering information.



ASCEND Fiber Housings\* in Rack



ASCEND Fanout Cassette\*



ASCEND Patch Cassette\*



ASCEND Trunk Cable

\* Base 24 housings and optical cassettes also available.

BASE-8 TRUNKS	
FIBER COUNT	AFL NO.
<b>Non-Armored Plenum Trunks, Non-pinned MPO to Non-pinned MPO, Pulling Grip on One Side, Rock &amp; Lock Outback Clip (OBC)</b>	
8	PFEF-PFEF-PL-008-L-XXXXFT-PE-MF-RS-08-ASCEND
24	PFEF-PFEF-PL-024-L-XXXXFT-PE-MF-RS-08-ASCEND
48	PFEF-PFEF-PL-048-L-XXXXFT-PE-MF-RS-08-ASCEND
72	PFEF-PFEF-PL-072-L-XXXXFT-PE-MF-RS-08-ASCEND
96	PFEF-PFEF-PL-096-L-XXXXFT-PE-MF-RS-08-ASCEND
144	PFEF-PFEF-PL-144-L-XXXXFT-PE-MF-RS-08-ASCEND
288	PFEF-PFEF-PL-288-L-XXXXFT-PE-MF-RS-08-ASCEND

- \* XXX – cable length from 5 ft to 1000 ft
- \*\* 1 ft increments measured from connector to connector
- \*\*\* Custom harnesses are available upon request

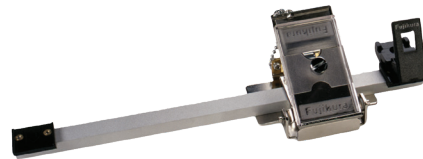
BASE-12 TRUNKS	
FIBER COUNT	AFL NO.
<b>Non-Armored Plenum Trunks, Non-pinned MPO to Non-pinned MPO, Pulling Grip on One Side, Rock &amp; Lock Outback Clip (OBC)</b>	
12	PFTF-PFTF-PL-012-L-XXXXFT-PE-MF-RS-12-ASCEND
24	PFTF-PFTF-PL-024-L-XXXXFT-PE-MF-RS-12-ASCEND
48	PFTF-PFTF-PL-048-L-XXXXFT-PE-MF-RS-12-ASCEND
72	PFTF-PFTF-PL-072-L-XXXXFT-PE-MF-RS-12-ASCEND
96	PFTF-PFTF-PL-096-L-XXXXFT-PE-MF-RS-12-ASCEND
144	PFTF-PFTF-PL-144-L-XXXXFT-PE-MF-RS-12-ASCEND
288	PFTF-PFTF-PL-288-L-XXXXFT-PE-MF-RS-12-ASCEND

- \* XXX – cable length from 5 ft to 1000 ft
- \*\* 1 ft increments measured from connector to connector
- \*\*\* Custom harnesses are available upon request

MTP PRO TOOLS (MM)	
MTP PRO Tool	CS014748
MTP PRO Pin Kit (without pins)	CS016089
MT Pro Pin kit (with pins)	CS016091



MTP PRO Tool



FAT-04 Fiber Arrangement Tool

TOOLS AND TOOL KITS	
SPLICERS AND ACCESSORIES	AFL NO.
90S+ Splicer Kit (Core Alignment with cleaver)	S017521
90R Splicer Kit (Ribbon)	S017511
41S+ Splicer Kit (Clad Alignment splicer kit with cleaver)	S017091
FAT-04 Fiber Arrangement Tool (Ribbonizer)	S010212
Splice Protection Sleeves (60 mm single – QTY: 1000)	S015915
Splice Protection Sleeves (40 mm ribbon – QTY: 250)	S003027
Splicer Cleaning Kit	S014397
CONNECTOR TOOLS AND TOOL KITS	AFL NO.
FUSEConnect® Tool Kit	FUSE-TL-KT
FUSEConnect Accessory Kit	FUSE-AC-KT
FUSEConnect MPO Tool Kit	FUSEMPO-TL-KT
Cleaning Kit (MPO/LC)	FCP2-10-0901
One-Click® Cleaner (Dual-LC, 500+ Cleans)	8500-05-0008MZ
One-Click Cleaner MPO	8500-05-0030MZ

**VIEW MORE  
SPLICERS  
ON PAGE 21**

# ASCEND Solutions OM4 (50 μm Multimode 10 Gig) – High Density Data Center

HOUSINGS			
RACK UNIT	MODEL	BASE-8	BASE-12
1RU	ASCEND 1RU	ASCEND-1RU-8	ASCEND-1RU-12
2RU	ASCEND 2RU	ASCEND-2RU-8	ASCEND-2RU-12
4RU	ASCEND 4RU	ASCEND-4RU-8	ASCEND-4RU-12

\* All hardware comes with 19 inch mounting brackets. Also available are 23 inch mounting brackets.  
 \*\* The AFL No. includes mounting tray for cassettes.

ASCEND ACCESSORIES	
DESCRIPTION	AFL NO.
ASCEND Single Cable Mounting Bracket Kit	FM004451-TB-K-1
ASCEND Dual Cable Mounting Bracket Kit	FM004451-TB-K-2
ASCEND Outback Clip Mounting Bracket, 12 Positions	OCM-12

OPTICAL CASSETTES			
BASE-8		BASE-12	
BASE-8 MPO to LC Fanout Cassette	A8-F1-M1-L4	BASE-12 MPO to LC Fanout Cassette	A12-FC-M1-L4
BASE-8 MPO Patch Cassette	A8-PC-M1	BASE-12 MPO Patch Cassette	A12-PC-M1
BASE-8 LC Patch Cassette	A8-PC-L4	BASE-12 LC Patch Cassette	A12-PC-L4
		BASE-12 Splice Cassette	A12-SPC-L4-S

\* TAP Cassettes are also available.

OM4 JUMPERS (2-FIBER JUMPERS)	
PLS-PLS-P20D-002-C-0001	Reverse Polarity LC 1m*
PLS-PLS-P20D-002-C-0002	Reverse Polarity LC 2m*
PLS-PLS-P20D-002-C-0003	Reverse Polarity LC 3m*

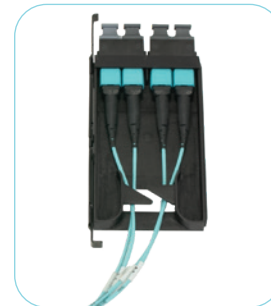
\* Additional lengths available. Contact AFL for ordering information.



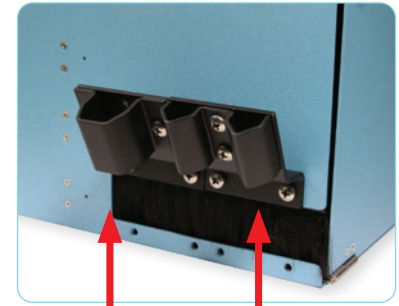
ASCEND Fiber Housings\* in Rack



ASCEND Tap Cassette\*



ASCEND Patch Cassette\*



Single Mounting Bracket

Dual Mounting Bracket

\* Base 24 housings and optical cassettes also available.

BASE-8 TRUNKS	
FIBER COUNT	AFL NO.
<b>Non-Armored Plenum Trunks, Non-pinned MPO to Non-pinned MPO, Pulling Grip on One Side, Rock &amp; Lock Outback Clip (OBC)</b>	
8	PFEF-PFEF-PL-008-C-XXXXFT-PE-MF-RS-08-ASCEND
24	PFEF-PFEF-PL-024-C-XXXXFT-PE-MF-RS-08-ASCEND
48	PFEF-PFEF-PL-048-C-XXXXFT-PE-MF-RS-08-ASCEND
72	PFEF-PFEF-PL-072-C-XXXXFT-PE-MF-RS-08-ASCEND
96	PFEF-PFEF-PL-096-C-XXXXFT-PE-MF-RS-08-ASCEND
144	PFEF-PFEF-PL-144-C-XXXXFT-PE-MF-RS-08-ASCEND
288	PFEF-PFEF-PL-288-C-XXXXFT-PE-MF-RS-08-ASCEND

- \* XXX – cable length from 5 ft to 1000 ft
- \*\* 1 ft increments measured from connector to connector
- \*\*\* Custom harnesses are available upon request

MTP PRO TOOLS (MM)	
MTP PRO Tool	CS014748
MTP PRO Pin Kit (without pins)	CS016089
MT Pro Pin kit (with pins)	CS016091



ASCEND® Splice Cassette



LC Uniboot Connector is Polarity-reversible on ASCEND Trunk Cable Assemblies

BASE-12 TRUNKS	
FIBER COUNT	AFL NO.
<b>Non-Armored Plenum Trunks, Non-pinned MPO to Non-pinned MPO, Pulling Grip on One Side, Rock &amp; Lock Outback Clip (OBC)</b>	
12	PFTF-PFTF-PL-012-C-XXXXFT-PE-MF-RS-12-ASCEND
24	PFTF-PFTF-PL-024-C-XXXXFT-PE-MF-RS-12-ASCEND
48	PFTF-PFTF-PL-048-C-XXXXFT-PE-MF-RS-12-ASCEND
72	PFTF-PFTF-PL-072-C-XXXXFT-PE-MF-RS-12-ASCEND
96	PFTF-PFTF-PL-096-C-XXXXFT-PE-MF-RS-12-ASCEND
144	PFTF-PFTF-PL-144-C-XXXXFT-PE-MF-RS-12-ASCEND
288	PFTF-PFTF-PL-288-C-XXXXFT-PE-MF-RS-12-ASCEND

- \* XXX – cable length from 5 ft to 1000 ft
- \*\* 1 ft increments measured from connector to connector
- \*\*\* Custom harnesses are available upon request

TOOLS AND TOOL KITS	
<b>SPLICERS AND ACCESSORIES</b>	
90S+ Splicer Kit (Core Alignment with cleaver)	S017521
90R Splicer Kit (Ribbon)	S017511
41S+ Splicer Kit (Clad Alignment splicer kit with cleaver)	S017091
FAT-04 Fiber Arrangement Tool (Ribbonizer)	S010212
Splice Protection Sleeves (60 mm single – QTY: 1000)	S015915
Splice Protection Sleeves (40 mm ribbon – QTY: 250)	S003027
Splicer Cleaning Kit	S014397
<b>CONNECTOR TOOLS AND TOOL KITS</b>	
FUSEConnect® Tool Kit	FUSE-TL-KT
FUSEConnect Accessory Kit	FUSE-AC-KT
FUSEConnect MPO Tool Kit	FUSEMPO-TL-KT
Cleaning Kit (MPO/LC)	FCP2-10-0901
One-Click® Cleaner (Dual-LC, 500+ Cleans)	8500-05-0008MZ
One-Click Cleaner MPO	8500-05-0030MZ





# ASCEND Solutions Single-Mode – High Density Data Center

HOUSINGS			
RACK UNIT	MODEL	BASE-8	BASE-12
1RU	ASCEND 1RU	ASCEND-1RU-8	ASCEND-1RU-12
2RU	ASCEND 2RU	ASCEND-2RU-8	ASCEND-2RU-12
4RU	ASCEND 4RU	ASCEND-4RU-8	ASCEND-4RU-12

\* All hardware comes with 19 inch mounting brackets. Also available are 23 inch mounting brackets.

\*\* The AFL No. includes mounting tray for cassettes.

ASCEND ACCESSORIES	
DESCRIPTION	AFL NO.
ASCEND Single Cable Mounting Bracket Kit	FM004451-TB-K-1
ASCEND Dual Cable Mounting Bracket Kit	FM004451-TB-K-2
ASCEND Outback Clip Mounting Bracket, 12 Positions	OCM-12

OPTICAL CASSETTES			
BASE-8		BASE-12	
BASE-8 MPO to LC/UPC Fanout Cassette	A8-F1-M1-LU	BASE-12 MPO to LC/UPC Fanout Cassette	A12-FC-M1-LU
BASE-8 MPO to LC/APC Fanout Cassette	A8-PC-M1-LA	BASE-12 MPO to LC/APC Fanout Cassette	A12-FC-M1-LA
BASE-8 MPO Patch Cassette	A8-PC-M1	BASE-12 MPO Patch Cassette	A12-PC-M1
BASE-8 LC/UPC Patch Cassette	A8-PC-LU	BASE-12 LC/UPC Patch Cassette	A12-PC-LU
		BASE-12 Splice Cassette	A12-SPC-LU-S

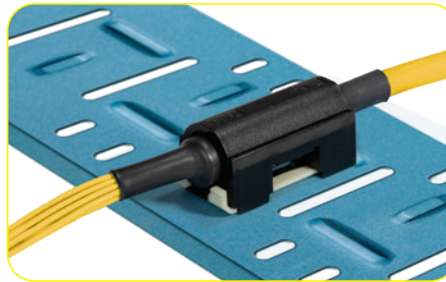
\* TAP Cassettes are also available.

SM JUMPERS	
ULS-ULS-P20D-002-Q-0001	Reverse Polarity LC 1m*
ULS-ULS-P20D-002-Q-0002	Reverse Polarity LC 2m*
ULS-ULS-P20D-002-Q-0003	Reverse Polarity LC 3m*

\* Additional lengths available.  
Contact AFL for ordering information.



ASCEND Fiber Housings in Rack



Outback Clip Management Bracket



ASCEND Trunk Cable Jumpers

BASE-8 TRUNKS	
FIBER COUNT	AFL NO.
<b>Non-Armored Plenum Trunks, Non-pinned MPO to Non-pinned MPO, Pulling Grip on One Side, Rock &amp; Lock Outback Clip (OBC)</b>	
8	EEF-EEF-PL-008-Q-XXXXFT-PE-MF-RS-08-ASCEND
24	EEF-EEF-PL-024-Q-XXXXFT-PE-MF-RS-08-ASCEND
48	EEF-EEF-PL-048-Q-XXXXFT-PE-MF-RS-08-ASCEND
72	EEF-EEF-PL-072-Q-XXXXFT-PE-MF-RS-08-ASCEND
96	EEF-EEF-PL-096-Q-XXXXFT-PE-MF-RS-08-ASCEND
144	EEF-EEF-PL-144-Q-XXXXFT-PE-MF-RS-08-ASCEND
288	EEF-EEF-PL-288-Q-XXXXFT-PE-MF-RS-08-ASCEND

\* XXX – cable length from 5 ft to 1000 ft  
 \*\* 1 ft increments measured from connector to connector  
 \*\*\* Custom harnesses are available upon request

BASE-12 TRUNKS	
FIBER COUNT	AFL NO.
<b>Non-Armored Plenum Trunks, Non-pinned MPO to Non-pinned MPO, Pulling Grip on One Side, Rock &amp; Lock Outback Clip (OBC)</b>	
12	ETF-ETF-PL-012-Q-XXXXFT-PE-MF-RS-12-ASCEND
24	ETF-ETF-PL-024-Q-XXXXFT-PE-MF-RS-12-ASCEND
48	ETF-ETF-PL-048-Q-XXXXFT-PE-MF-RS-12-ASCEND
72	ETF-ETF-PL-072-Q-XXXXFT-PE-MF-RS-12-ASCEND
96	ETF-ETF-PL-096-Q-XXXXFT-PE-MF-RS-12-ASCEND
144	ETF-ETF-PL-144-Q-XXXXFT-PE-MF-RS-12-ASCEND
288	ETF-ETF-PL-288-Q-XXXXFT-PE-MF-RS-12-ASCEND

\* XXX – cable length from 5 ft to 1000 ft  
 \*\* 1 ft increments measured from connector to connector  
 \*\*\* Custom harnesses are available upon request



TOOLS AND TOOL KITS	
<b>SPLICERS AND ACCESSORIES</b>	<b>AFL NO.</b>
90S+ Splicer Kit (Core Alignment)	S017521
90R Splicer Kit (Ribbon)	S017511
FAT-04 Fiber Arrangement Tool (Ribbonizer)	S010212
Splice Protection Sleeves (60 mm single - QTY: 1000)	S015915
Splice Protection Sleeves (40 mm ribbon - QTY: 250)	S003027
Splicer Cleaning Kit	S014397
<b>INSPECTION AND CLEANING</b>	<b>AFL NO.</b>
FOCIS Lightning® Connector Inspection Kit	FOCIS-LTNG-UA
VF14 Visual Fault Identifier	VF14-01-0900PR
Bend-Insensitive Optical Fiber Identifier with integrated Power Meter	OFI-BIPMe
Cleaning Kit (MPO/LC)	FCP2-10-0901
One-Click® Cleaner (Dual-LC, 500+ Cleans)	8500-05-0008MZ
One-Click Cleaner MPO	8500-05-0030MZ

**VIEW MORE  
 INSPECTION AND  
 CLEANING EQUIPMENT  
 ON PAGE 25**

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# Fusion Splicing Systems

CORE ALIGNMENT FUSION SPLICERS	
MODEL	AFL NO.
90S+ Fusion Splicer (machine only)	S017519
90S+ Fusion Splicer Kit (with CT-50 Cleaver)	S017521
90S+ Fusion Splicer without Bluetooth (machine only)	S017520
One Year Extended Warranty	S012996
Two Year Extended Warranty	S013000

\* 90S+ comes with a 2 year warranty

ACTIVE CLADDING ALIGNMENT FUSION SPLICERS	
MODEL	AFL NO.
41S+ Fusion Splicer (machine only)	S017090
41S+ Fusion Splicer Kit (with CT-50 Cleaver)	S017091
31S+ Fusion Splicer (machine only)	S017081
31S+ Fusion Splicer Kit (with CT-08 Cleaver)	S017109
One Year Extended Warranty	S012996
Two Year Extended Warranty	S013000

\* All Clad Alignment Splicers come with a 1 year warranty

FIBER CLEAVERS	
MODEL	AFL NO.
CT50 – Single Fiber or Ribbon (Bluetooth)	S017030
CT08 – Single Fiber	S017004

CLEAVER ACCESSORIES	
MODEL	AFL NO.
CB-08 (CT50 Blade Replacement)	S017076
CB-07 (CT08 Blade Replacement)	S017013
ARM-CT50-01 (Replacement Pads/Anvil)	S017122
ARM-CT08-01 (Replacement Pads/Anvil)	S017014



CT50 (top) and CT08 Cleavers

RIBBON SPLICERS	
MODEL	AFL NO.
90R Fusion Splicer (machine only)	S017509
90R Fusion Splicer Kit (CT-50 Cleaver & RS03 thermal stripper)	S017511
90R Fusion Splicer without Bluetooth (machine only)	S017540
90R Fusion Splicer kit without Bluetooth (CT-50 Cleaver and RS01 thermal stripper)	S017510
One Year Extended Warranty	S012996
Two Year Extended Warranty	S013000

\* 90R comes with a 2 year warranty



90S+ Core Alignment Splicer

90R Ribbon Splicer



41S+ Active Cladding Alignment Splicer

31S+ Active Cladding Alignment Splicer

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### MECHANICAL AND THERMAL STRIPPERS

MODEL	AFL NO.
RS01 - Thermal	S016815
RS02 - Thermal (Bluetooth)	S016816
RS03 - Thermal (Bluetooth and Cordless)	S016817
SS03 - Mechanical (Hand Tool)	S017098



Splicer V-groove Cleaning Kit



Splice Protection Sleeves



RS02 Thermal Stripper

### CONSUMABLES – SPLICE SLEEVES

MODEL	AFL NO.	PACK
60 mm (Single Splice)	S015915	1000 box / 100 pack
40 mm (Single Splice)	S015916	1000 box / 100 pack
40 mm (Ribbon –12 fiber)	S003027	250 box / 5 pack

### SPLICER KIT ITEMS

MODEL	AFL NO.
12 Fiber V-grooves (90R)	S017548
Electrodes (90 series & 31S+/41S+)	S017103
Tripod Screw (90 series, 31S+/41S+, CT-50)	S017524
90 Series Battery	S017512
90 Series Power Cord	S014536
90 Series AC Adapter	S017513
31S+/41S+ Battery	S017354
31S+/41S+ Power Cord	S014390
31S+/41S+ AC Adapter	S017104



RT-02 Ribbonizing Tool (no glue)



FAT-04 Fiber Arrangement Tool

### SPLICING ACCESSORIES

DESCRIPTION	AFL NO.
Splicer V-Groove Cleaning Kit	S014397
Splicer V-Groove Cleaning Kit Refill	S014416
FUSEConnect® Tool Kit	FUSE-TL-KT
FUSEConnect Accessory Kit	FUSE-AC-KT
FAT-04 Fiber Arrangement Tool – for forming temporary ribbons	S010212
FAA-03A Ribbon Adhesive (0.5 liter bottle)	S008622
RT-02 Ribbonizing Tool (No Glue)	S017532
FST-12 Ribbon Separation Tool	S014012
Portable Tripod Workstation	S014773
250 µm Single Fiber Holders (Pair)	S017111
900 µm Single Fiber Holders (Pair)	S017113
12 Fiber 250 µm Ribbon Fiber Holders (Pair)	S017119
31S+/41S+ 900 µm Loose Buffer Sheath Clamp	S017101



FST-12 Ribbon Separation Tool



Ribbon Adhesive



900 µm, 250 µm, 12F Ribbon Fiber Holders



31S+/41S+ 900 µm Loose Buffer Sheath Clamp



Portable Tripod Workstation (splicer and cleaver not included)

## Test and Measurement

### FlexScan® Family of Optical Time Domain Reflectometers (OTDRs)

FlexScan OTDRs are pocket-sized and performance packed. They enable both novice and expert technicians to quickly and reliably troubleshoot optical networks or fully characterize newly installed or repaired networks. FlexScan's SmartAuto® mode uses multi-pulse OTDR scans to quickly and accurately detect, locate, identify and measure network components and faults with just the push of a button. Results may be viewed as traditional OTDR traces or with LinkMap® color-coded icons which clearly identify detected events and their pass/fail status. FlexScan OTDRs weigh less than a pound and feature integrated OLS, OPM, VFL, Bluetooth® and PC-based TRM® 3.0 Test Results Manager reporting software.

Users can significantly reduce multi-fiber test times using FS200-300/304 Flexpress® fast tests plus FlexScan MPO switch control.

DESCRIPTION	AFL NO.
<b>QUAD SINGLE-MODE AND MULTIMODE BASE MODEL WITH SMARTAUTO® AND LINKMAP®</b>	
FlexScan FS300 Quad OTDR for both single-mode and multimode PON and Point-to-Point networks. FS300 also features Print-to-PDF for reporting.	FS300-325-BAS-P1-W1
<b>SINGLE-MODE BASE MODELS WITH SMARTAUTO, FLEXPRESS® AND LINKMAP</b>	
FS200-100 for verification and troubleshooting of 1310/1550 Point-to-Point networks.	FS200-100-BAS-P1-W1
FS200-300 for verification and troubleshooting 1310/1550 PON and Point-to-Point networks.	FS200-300-BAS-P1-W1
FS200-304 for verification and troubleshooting point-to-point and PON, including live PON troubleshooting.	FS200-304-BAS-P1-W1
<b>OTDR KIT EXTENSIONS FOR FLEXSCAN OTDRS</b>	
<b>PLUS kit adds:</b> 150 m SMF (and MMF for FS300) fiber ring(s), One-Click Cleaner, TRM 3.0 Advanced	FSX00-XXX-PLUS-P1-W1
<b>PRO kit adds to PLUS kit:</b> FOCIS Flex single fiber connector inspection probe, 2 adapter tips	FSX00-XXX-PRO-P1-W1
<b>BIPMe Complete kit adds to PRO kit:</b> OFI-BIPMe fiber identifier that features a power meter, LCD screen, universal head, positive trigger stop to prevent excessive bending and user fatigue. Works on bend insensitive fiber.	FSX00-XXX-BIPM-P1-W1
<b>MPO kit includes:</b> User-selected FlexScan FS200 OTDR, MPO Switch, MPO launch cable, OTDR-to-Switch launch cable, OTDR-to-Switch USB cable, TRM 3.0 Test Results Manager reporting software, carry case which allows OTDR-to-Switch cabling to remain configured during transport and operated without removal from the carry case.	FS200-XXX-MPO-P1-W1



FlexScan FS300 Quad OTDR



FlexScan FS200 PRO OTDR Kit



DESCRIPTION	AFL NO.
<b>OPTICAL LOSS TESTING EQUIPMENT</b>	
OLTS – Power Meter and Light Source Kit: Test loss on MM fiber networks	MLP5-2D
OLTS – Power Meter and Light Source Kit: Test loss on SM fiber networks	SLP 5-6
OLTS – Power Meter and Light Source Kit: Test loss on both SM/MM fiber networks	SMLP5-5
ROGUE® OLTS Certifier: Test and certify both SM and MM fiber networks to ISO/IEC/TIA/IEEE test limits with PASS and FAIL results. Used during installation of both single-fiber and MPO networks. The cB1 model must be paired with a smart device, iB1 model has an integrated 7-inch screen.	RGK-CERT01 (cB1 model) <u>or</u> RGK-CERT01B1 (iB1 model)
ROGUE OLTS Certifier: Dual port SM certifier used during installation of both single-fiber and MPO networks. The cB1 model must be paired with a smart device, iB1 model has an integrated 7-inch screen.	RGK-CERT03 (cB1 model) <u>or</u> RGK-CERT03B1 (iB1 model)
Multi-fiber Switch Add-On kit: available in both SM and MM	MPO-SM-CERT-ADD <u>or</u> MPO-MM-CERT-ADD



OLTS – Power Meter and Light Source Kit



ROGUE OLTS Certifier cB1 and iB1 Models



Multi-Fiber Switch



VFI4



OFI-BIPMe



OFI-400



MT Tracer Kit

DESCRIPTION	AFL NO.
<b>FIBER IDENTIFICATION</b>	
Visual Fault Identifiers: VFI4 with 2.5 mm and 1.25 mm adapters	VFI4-01-0900PR
OFI-BIPMe: Bend-Insensitive Optical Fiber Identifier with a built-in Power Meter that detects the presence of signals (traffic, CW or tone) on optical fiber or fiber ribbon. (SM, MM) Universal head and trigger stop to eliminate damaging fiber and user fatigue.	OFI-BIPMe
OFI 400: Reliable Optical Fiber Identifier (OFI) with industry leading 5-year warranty. It enables users to confirm the presence of optical signals (traffic or tone), preventing accidental service interruption.	OFI-400
MT Tracer Kit: Tests 8 and 12 fiber MTP® assemblies – mapping polarity, continuity, and fiber mismatch. Automatically sequence through fibers or select individual channels	TRCR-90-0900

## Inspection and Cleaning

DESCRIPTION	AFL NO.
<b>FOCIS FLEX – SELF-CONTAINED, COMPACT, TETHER-FREE SINGLE-FIBER CONNECTOR INSPECTION SYSTEM</b>	
Auto-focus, pass/fail analysis, BT/WiFi, One-Click® Cleaner, carry case, UPC Adapter Tips	FOCIS-FLX-P4XU
Auto-focus, pass/fail analysis, BT/WiFi, One-Click Cleaner, carry case, APC Adapter Tips	FOCIS-FLX-P4XA
Auto-focus, pass/fail analysis, BT/WiFi, One-Click Cleaner, carry case, UPC & APC Adapter Tips	FOCIS-FLX-P4XUA
FOCIS Flex no wireless version, UPC Adapter Tips	FOCIS-FLX-NW-P4XU
FOCIS Flex no wireless version, APC Adapter Tips	FOCIS-FLX-NW-P4XA
FOCIS Flex no wireless version, UPC & APC Adapter Tips	FOCIS-FLX-NW-P4XUA
<b>FOCIS LIGHTNING® – ULTRAFAST, COMPACT, TETHER-FREE MPO CONNECTOR INSPECTION SYSTEM</b>	
Auto-focus, pass/fail analysis, MPO-12/24/16/32 composite connector and individual fiber display, BT/WiFi, One-Click Cleaner, carry case, UPC Adapter Tips	FOCIS-LTNG-U
Auto-focus, pass/fail analysis, MPO-12/24/16/32 composite connector and individual fiber display, BT/WiFi, One-Click Cleaner, carry case, APC Adapter Tips	FOCIS-LTNG-A
Auto-focus, pass/fail analysis, MPO-12/24/16/32 composite connector and individual fiber display, BT/WiFi, One-click cleaner, carry case, UPC & APC Adapter Tips	FOCIS-LTNG-UA
FOCIS Lightning no wireless version, UPC & APC Adapter Tips	FOCIS-LTNG-NW-UA
Additional variations are available	
Single-fiber Adapter: Upgrade FOCIS Lightning to an all-in-one inspection solution with this adapter. Adapter is compatible with our wide range of single-fiber adapter tips.	FLTNG-01-SFA
<b>FOCIS DUEL® FIBER OPTIC CONNECTOR INSPECTION SYSTEM</b>	
Auto-focus & pass/fail analysis (Port 1), BT/WiFi, One-Click Cleaner, carry case, UPC bulkhead/ferrule tips Adapter Tips	FOCIS-DUEL-U
Auto-focus & pass/fail analysis (Port 1), BT/WiFi, One-Click Cleaner, carry case, APC bulkhead/ferrule tips	FOCIS-DUEL-A
Auto-focus & pass/fail analysis (Port 1), BT/WiFi, One-Click Cleaner, carry case, UPC & APC bulkhead/ferrule tips	FOCIS-DUEL-UA
Additional variations are available	
<b>FOCIS WIFI2® FIBER OPTIC CONNECTOR INSPECTION SYSTEM</b>	
Auto-focus, pass/fail analysis, use with free FOCIS WiFi2 mobile App, One-Click Cleaner, Carry case, UPC Adapter Tips	FOCIS-WIFI2-U
Auto-focus, pass/fail analysis, use with free FOCIS WiFi2 mobile App, One-Click Cleaner, Carry case, APC Adapter Tips	FOCIS-WIFI2-A
Auto-focus, pass/fail analysis, use with free FOCIS WiFi2 mobile App, One-Click Cleaner, Carry case, UPC & APC Adapter Tips	FOCIS-WIFI2-UA
Additional variations are available	



FOCIS Flex

FOCIS Duel®

FOCIS Lightning®



FOCIS WiFi2 Connector Inspection System

DESCRIPTION	AFL NO.
<b>CLEANING KITS</b>	
Our most popular cleaning kit provides an excellent sampling of fiber optic cleaning supplies: Base Package: FCC2 cleaning fluid, FiberWipes, Cletop-SB, SC & LC One-Click® Cleaners, Debris Destroyer	FCP2-10-0900
Take our most popular kit and add an MPO One-Click Cleaner.	FCP2-00-0901
Enterprise Easy-Access Cleaning kit features these wet & dry cleaning supplies: FCC2 Fiber Connector Cleaner and Preparation Fluid (can), FCC3 Debris Destroyer Fiber Optic Cleaning Pen, CCTS-12 (for 1.25 mm ferrule) and CCTS-25 (for 2.5 mm ferrule) Connector Cleaning Tips, Cletop-S, Type B with White Tape, One-Click Cleaners (Duplex LC, LC/MU, Ultra 2.5, MPO/MTP), Soft Carry Case	FCP3-00-0901



FCP2-00-0901

DESCRIPTION	AFL NO.
<b>CLEANING SUPPLIES</b>	
One-Click® Cleaner SC, ST, FC (500+ cleans) works on Ferrules & bulkheads	8500-05-0001MZ
One-Click Cleaner MU/LC (500+ cleans) works on Ferrules & bulkheads	8500-05-0002MZ
One-Click Cleaner D-LC, Duplex LC (2 x 500+ cleans) works on Ferrules & bulkheads	8500-05-0008MZ
One-Click Cleaner MPO (500+ cleans) works on Ferrules & bulkheads	8500-05-0030MZ
One-Click Cleaner MPO-16 (500+ cleans) works on Ferrules & bulkheads	8500-05-0013MZ
Cletop SB 2nd gen cleans all types of ferrules	8500-10-0016MZ
Cletop refill	8500-10-0017MZ
FCC2: Fiber connector clean/prep fluid (3 oz/85 g can) used for general wet cleaning & splicing	FCC2-00-0902
FCC2: Fiber cleaning/prep fluid (case 12 cans) used for general wet cleaning & splicing	FCC2-00-0903
FiberWipes™ – optical quality wipes in rugged mini tub (90 wipes per tub)	9000-03-0025MZ
CCTS cleaning tips SC/FC/ST connectors & bulkheads (40 sticks)	CCTS-25-0900MZ
CCTS cleaning tips LC/LC duplex connectors & bulkheads (40 sticks)	CCTS-12-0900MZ



FCP3-00-0901

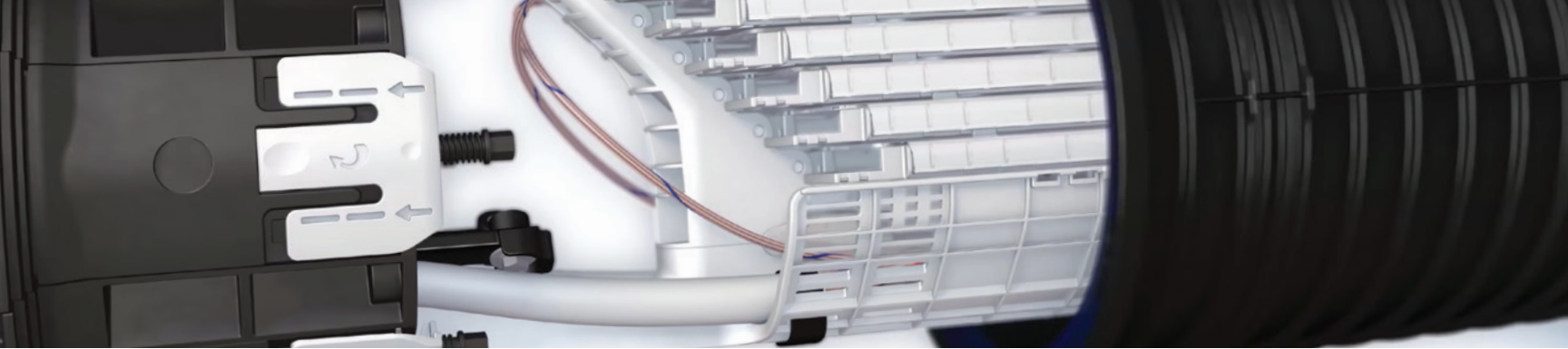


SC/ST/FC MU/LC D-LC MPO MPO-16 Cletop SB FCC2 Fluid



Countertop displays available for Stocking Distributors

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**NEW** Apex® Sealed Splice Closures

Fiber counts are getting higher while space is getting smaller and harder to come by. As we deal with these growing pains, another issue arises—there just isn't enough time in the day.

AFL's new Apex closure line is designed to improve usability, decrease installation time, increase network reliability, and increase density of fiber splices, especially when coupled with our industry-leading high-density MicroCore® cable and Wrapping Tube Cable (WTC) with SpiderWeb Ribbon® (SWR®).

Apex is a modern solution for modern problems. A smaller closure with higher density means it's easier to maximize available space when space is a premium. Our wedge-based sealing system with cable strain relief allows a cable to be installed into the closure and sealed in seconds, thus reducing overall installation time. The universal splice holder module eliminates the need to stock different splice trays or splice holders for different jobs.

For more information, visit the [Apex Splice Closures web page](#) or explore our Apex content at [Learn.AFLglobal.com/apex](http://Learn.AFLglobal.com/apex).

**Ordering Information**

<b>AX</b>	—	<b>2</b>	—	<b>B</b>	—	<b>L</b>	—	<b>0</b>	—	<b>2</b>	—	<b>6</b>	—	<b>B</b>
APEX CLOSURES		CLOSURE SIZE		BASKET TYPE		TRAY TYPE		NUMBER OF TRAYS		CABLE STRAIN RELIEF HARDWARE KITS		NUMBER OF GROUND LUGS		INNER BASKET
		2 = X-2 Size 2S = X-2S Size		B = Basket sized for X-2 or X-2S		X = No preinstalled tray L = Tray Loaded with splice modules for X-2 or X-2S		0 1 6		2 4 6		0 2 6		X = No Inner Basket B = Include Inner Basket (X-2 model only)

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