SUMITOMO ELECTRIC LIGHTWAVE

FIBER OPTIC INFRASTRUCTURE

Ordering Guide

September 2024

NEXT GENERATION THINKING™

Sumitomo Electric Lightwave (SEL) foresaw the migration to an all optical fiber network as early as 1983 when it first opened its doors in Research Triangle Park, NC.

Our sole dedication to the advancement of optical fiber technology and exceptional service to the customer — then and now — has positioned SEL as a major industry leader in the innovation, design, development, and manufacturing of optical fiber and connectivity solutions for fiber optic communication, wireless, residential broadband, CATV, FTTx, data center, and enterprise networks.

By providing the industry's highest quality, most reliable, advanced optical fiber, fiber optic cable, fusion splicing equipment & accessories, field installable connectors, passive components, FTTx solutions, and FutureFLEX® Air-Blown Fiber®, and Air-Blown Cable, SEL is the trusted solutions provider for today's most prominent optical fiber outside plant and inside plant network deployments.

And since we're a wholly owned privately-held company of Sumitomo Electric Industries (SEI), our primary commitment is not to shareholders, but to you — our customer.

As part of SEI, serving the markets of North, South, and Central America, Sumitomo Electric Lightwave draws not only on its own outstanding R&D, resources and expertise, but also Sumitomo's vast worldwide consolidation to address the growing demand for new and better technology.

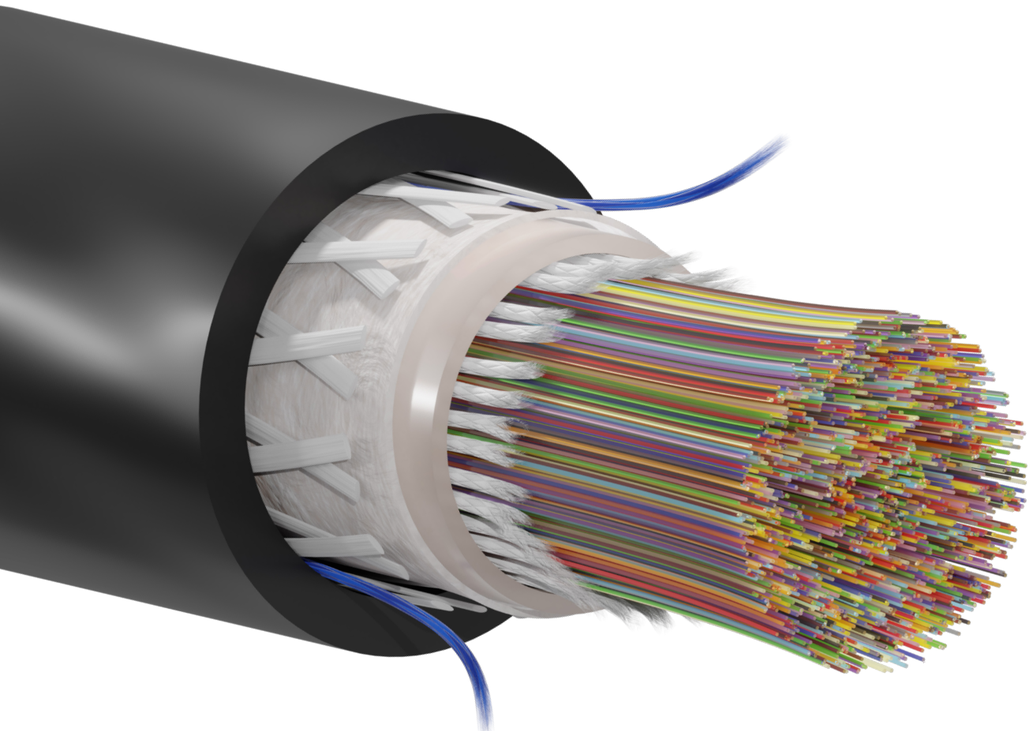
Table of Contents

CABLE SOLUTIONS

Sumitomo Electric Lightwave's (SEL) optical fiber cable solutions offer a vast array of optical fiber ribbon cables designed to meet all of your network needs. Our reliable and flexible products include:

- Freeform Ribbon™ Slotted Core Cables
- Freeform Ribbon™ Microduct Cables
- Freeform Ribbon™ Monotube Cables
- Freeform Ribbon™ Central Tube Cables
- Standard Ribbon Central Tube Cables

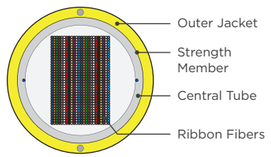
Need fiber in areas where the environment is not optimal? SEL's innovative products can withstand harsh environments while maintaining reliability.



Freeform Ribbon™ Cables

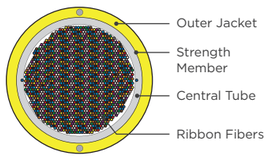
SEL's patented Freeform Ribbon™ Cables fit any sized duct space and environment. They are pliable ribbon fibers allowing for a compact design and a small cable diameter at low or higher fiber counts. The pliable Freeform Ribbon™ features single-mode fibers at a 200 or 250µm size and provides a similar splice-ready form to standard ribbon for easy 12f ribbon splicing.

864F Standard Flat Ribbon



Standard Ribbon Design

1728F Freeform Ribbon™



Freeform Ribbon™ Design

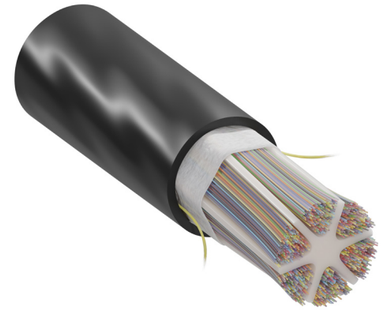
BENEFITS

Freeform Ribbon™ Cable's compact design allows for increased density in space constrained applications. The fibers are color-coded for quick identification. Pliable Freeform Ribbon™ is easy to splice and is compatible with fusion splicers, splice-on connectors, and related hardware.

FEATURES

- Patented Pliable Freeform Ribbon™ Fiber
- Compact Design
- 12-Fiber Ribbon Groupings
- Fire-Rated Cables Available (CPR-Rating Options Also Available)
- SEL PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber

Freeform Ribbon™ UHFC OSP All-Dielectric Slotted Core Cables



SPECIFICATIONS

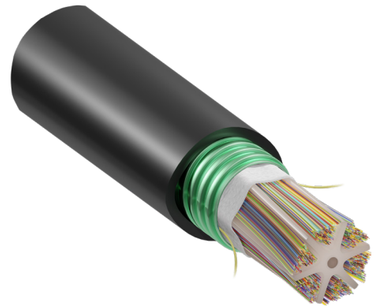
PROPERTY	SPECIFICATION	
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km
Max. Tensile Load (During Installation)	600 lb (2,670 N)	
Max. Recommended Service Load	180 lb (890 N)	
Compression Resistance	124 lb/in (220 N/cm)	
Operation Temperature Range	-40 to +158°F (-40 to +70°C)	

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF SLOTS	STRANDING
		IN	MM	LB/KFT	KG/KM			
250 µm								
DRSC – GNS – 15021	1,152f	0.98	25.0	302.4	450.0	12f	6	SZ
DRSC-13079SA0001728-B	1,728f	1.02	26.0	302.4	450.0	12f	6	HL
DRSC-OSP6-SA003456-250-ADE	3,456f	1.26	32.0	470.3	700.0	12f	6	HL
200 µm								
DRSC-OSP6-SA001728-200-ADE	1,728f	0.98	25.0	268.8	400.0	12f	6	SZ
DRSC–13261SA003456	3,456f	1.10	28.0	362.8	540.0	12f	6	HL
DRSC–OSP8–SA06912–200–ADE	6,912f	1.46	37.0	638.4	950.0	12f	8	HL

Lower Attenuation Option Available Upon Request

Freeform Ribbon™ Armored Conventional OSP Slotted Core Cables



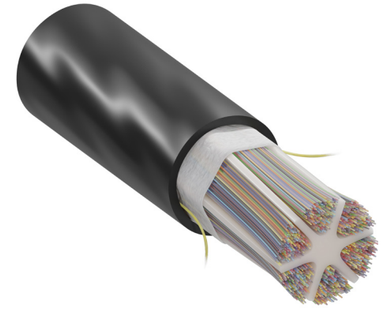
SPECIFICATIONS

PROPERTY	SPECIFICATION	
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.25 dB/km
Max. Tensile Load (During Installation)	600 lb (2,670 N)	
Max. Recommended Service Load	180 lb (800 N)	
Compression Resistance	124 lb/in (220 N/cm)	
Operation Temperature Range	-40 to +158°F (-40 to +70°C)	
Standards	Referencing Telcordia GR-20	

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	FIBERS PER SLOT	STRANDING
		IN	MM	LB/KFT	KG/KM			
250 µm								
DRSC-OSP6-SA00144-250-STTPROL	144f	0.79	20.0	211.7	315.0	6	24f	SZ
DRSC-OSP6-SA00288-250-STTPROL	288f	0.79	20.0	218.4	325.0	6	48f	SZ
DRSC-OSP6-SA00432-250-STTPROL	432f	0.87	22.5	252.0	375.0	6	72f	SZ
DRSC-OSP6-SA00864-250-STTPROL	864f	0.98	25.0	329.3	490.0	6	144f	SZ
DRSC-OSP6-SA01728-250-STTPROL	1,728f	1.28	32.5	460.3	685.0	6	288f	SZ

Freeform Ribbon™ Conventional OSP All-Dielectric Slotted Core Cables



SPECIFICATIONS

PROPERTY	SPECIFICATION	
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.25 dB/km
Max. Tensile Load (During Installation)	600 lb (2,670 N)	
Max. Recommended Service Load	180 lb (800 N)	
Compression Resistance	124 lb/in (220 N/cm)	
Operation Temperature Range	-40 to +158°F (-40 to +70°C)	
Standards	Referencing Telcordia GR-20	

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	FIBERS PER SLOT	STRANDING
		IN	MM	LB/KFT	KG/KM			
250 µm								
DRSC-OSP6-SA00144-250-ADEROL	144f	0.67	17.0	134.4	200.0	6	24f	SZ
DRSC-OSP6-SA00288-250-ADEROL	288f	0.67	17.0	141.1	220.0	6	48f	SZ
DRSC-OSP6-SA00432-250-ADEROL	432f	0.79	20.0	178.1	265.0	6	72f	SZ
DRSC-OSP6-SA00864-250-ADEROL	864f	0.93	23.5	245.3	365.0	6	144f	SZ
DRSC-OSP6-SA01728-250-ADEROL	1,728f	1.16	29.5	295.7	440.0	6	288f	SZ

Freeform Ribbon™ OSP All-Dielectric Microduct Cables

SPECIFICATIONS

PROPERTY	SPECIFICATION	
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km
Max. Tensile Load (During Installation)	300 lb (1,334 N)	
Compression Resistance	28 lb/in (50 N/cm)	
Operation Temperature Range	-30 to +158°F (-30 to +70°C)	

Microducts are sold separately

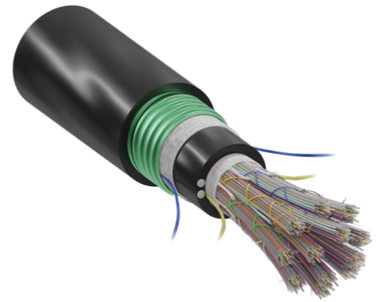
ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON
		IN	MM	LB/KFT	KG/KM	
250 µm						
SE-8CDP0096-B-M	96f	0.30	7.6	23.5	35.0	12f
SE-8CDP0144-B-M	144f	0.32	8.2	26.9	40.0	12f
SE-8CDP0192-B-M	192f	0.34	8.7	30.9	46.0	12f
SE-8CDP0288-B-M	288f	0.41	10.5	47.0	70.0	12f
SE-8CDP0432-B-M	432f	0.47	12.0	60.4	90.0	12f
SE-8CDP0864-B-M	864f	0.59	14.9	94.1	140.0	12f
200 µm						
DRMD-OSGN-SA00288-200-ADE	288f	0.37	9.5	34.9	52.0	12f
DRMD-OSGN-SA00432-200-ADE	432f	0.37	9.5	42.3	63.0	12f
DRMD-OSGN-SA00864-200-ADE	864f	0.53	13.5	80.6	120.0	12f

Freeform Ribbon™ Armored Monotube OSP Cable

SPECIFICATIONS

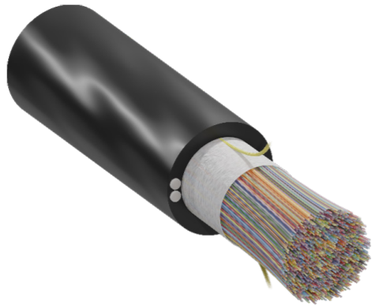
PROPERTY	SPECIFICATION	
Fiber Type	PureBand™-R G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km
Min. Bend Radius (During Installation)	20 x Cable OD	
Min. Bend Radius (After Installation)	15 x Cable OD	
Max. Tensile Load (During Installation)	600 lb (2,670 N)	
Compression Resistance	124 lb/in (220 N/cm)	
Operation Temperature Range	-40 to +158°F (-40 to +70°C)	
Standards	Referencing Telcordia GR-20	



ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES
		IN	MM	LB/KFT	KG/KM		
250 µm							
SE-CMBP0864-C	864f	0.91	23.0	302.0	450.0	12f	12

Freeform Ribbon™ All-Dielectric Monotube OSP Cable



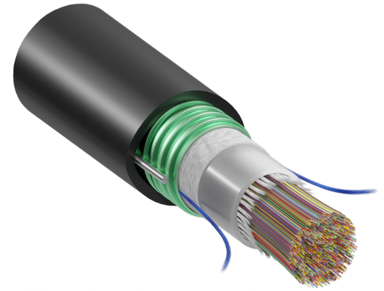
SPECIFICATIONS

PROPERTY	SPECIFICATION	
Fiber Type	PureBand™-R G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km
Min. Bend Radius (During Installation)	20 x Cable OD	
Min. Bend Radius (After Installation)	15 x Cable OD	
Max. Tensile Load (During Installation)	600 lb (2,670 N)	
Compression Resistance	124 lb/in (220 N/cm)	
Operation Temperature Range	-40 to +158°F (-40 to +70°C)	
Standards	Referencing Telcordia GR-20	

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		MINIMUM BEND RADIUS		NO. OF UNIT	FIBER NO. OF UNIT
		IN	MM	LB/KFT	KG/KM	STATIC	DYNAMIC		
250 µm									
SE-CMDP0096-G-M	96f	0.41	10.4	51.1	76.0	156 mm	208 mm	–	–
SE-CMDP0144-G-M	144f	0.41	10.5	57.1	85.0	160 mm	210 mm	–	–
SE-CMDP0288-G-M	288f	0.47	12.0	73.9	110.0	180 mm	240 mm	–	–
SE-CMDP0432-G-M	432f	0.53	13.5	331.0	150.0	205 mm	270 mm	6	96
SE-CMDP0864-G-M	864f	0.71	18.0	144.5	215.0	270 mm	350 mm	6	144
SE-8MDP1728-G-M	1,728f	0.98	25.0	241.9	360.0	375 mm	500 mm	12	144

Freeform Ribbon™ Transit Indoor/ Outdoor LSZH-NFPA130 OFCR Steel Armored Ribbon Cables



CABLING INNOVATORS AWARDS
GOLD HONOREE

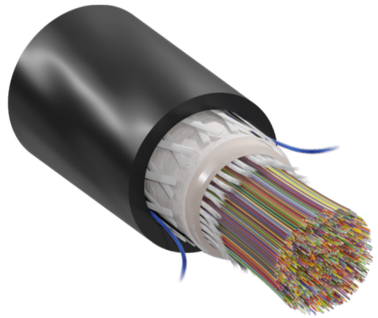
SPECIFICATION

PROPERTY	SPECIFICATION	
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km
Max. Tensile Load (During Installation)	600 lb (2,700 N)	
Max. Recommended Service Load	200 lb (890 N)	
Compression Resistance	248 lb/in (440 N/cm)	
Operation Temperature Range	-40 to +158°F (-40 to +70°C)	
Standards	Referencing Telcordia GR-20	

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBER PER RIBBON	FIBERS PER BUNDLE
		IN	MM	LB/KFT	KG/KM		
250 µm							
SE-8USP0048-B-12	48f	0.61	15.5	187.0	279.0	12f	N/A
SE-8USP0144-B	144f	0.61	15.5	193.0	288.0	12f	72
SE-8USP0432-B	432f	0.79	20.3	300.0	448.0	12f	72
SE-8USP1728-B	1,728f	1.08	27.5	482.0	720.0	12f	72

Freeform Ribbon™ OSP All-Dielectric Central Tube Cables



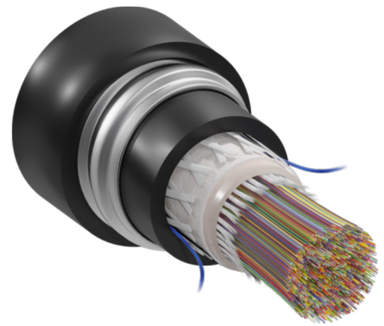
SPECIFICATIONS

PROPERTY	SPECIFICATION	
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km
Min. Bend Radius (During Installation)	20 x Cable OD	
Min. Bend Radius (After Installation)	10 x Cable OD	
Max. Tensile Load (During Installation)	600 lb (2,670 N)	
Max. Recommended Service Load	180 lb (800 N)	
Compression Resistance	125 lb/in (220 N/cm)	
Operation Temperature Range	-40 to +158°F (-40 to +70°C)	

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES
		IN	MM	LB/KFT	KG/KM		
250 µm							
SE-8DDP0024-B-12	24f	0.45	11.5	51.9	77.6	12f	N/A
SE-8DDP0096-B-12	96f	0.45	11.5	56.0	83.7	12f	N/A
200 µm							
SE-8DDT0864-B	864f	0.92	23.5	218.6	326.3	12f	12
SE-8DDT1728-B	1,728f	0.98	25.0	262.7	422.7	12f	24

Freeform Ribbon™ Interlocking Armored Outdoor/Indoor LSZH Riser Central Tube Cables



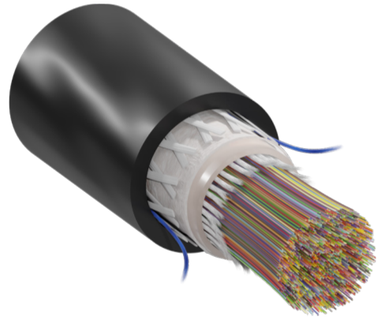
SPECIFICATIONS

PROPERTY	SPECIFICATION	
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km
Min. Bend Radius (During Installation)	20 x Cable OD	
Min. Bend Radius (After Installation)	10 x Cable OD	
Max. Tensile Load (During Installation)	600 lb (2,670 N)	
Max. Recommended Service Load	180 lb (800 N)	
Compression Resistance	125 lb/in (220 N/cm)	
Operation Temperature Range	-40 to +158°F (-40 to +70°C)	
Standards	NFPA 130, NFPA 502, OFCR, FT4, Low Smoke/ST-1	

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL CABLE ARMOR OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES
		IN	MM	IN	MM	LB/KFT	KG/KM		
250 µm									
SE-8RAP0012-B-12	12f	0.44	11.3	0.78	19.7	231.2	344.0	12f	N/A
SE-8RAP0024-B-12	24f	0.44	11.3	0.78	19.7	231.2	344.0	12f	N/A
SE-8RAP0036-B-12	36f	0.44	11.3	0.78	19.7	231.2	344.0	12f	N/A
SE-8RAP0048-B-12	48f	0.44	11.3	0.78	19.7	231.2	344.0	12f	N/A
SE-8RAP0072-B	72f	0.56	14.1	0.95	24.2	307.1	457.0	12f	1
SE-8RAP0096-B-12	96f	0.56	14.1	0.95	24.2	301.7	449.0	12f	N/A
SE-8RAP0144-B	144f	0.56	14.1	0.95	24.2	307.1	457.0	12f	2
SE-8RAP0192-B-12	192f	0.67	17.0	1.01	25.6	340.6	507.0	12f	N/A
SE-8RAP0288-B	288f	0.67	17.0	1.01	25.6	324.4	522.0	12f	4
SE-8RAP0432-B	432f	0.73	18.5	1.07	27.2	411.9	613.0	12f	6
SE-8RAP0864-B	864f	0.96	24.2	1.26	31.9	564.5	840.0	12f	12
SE-8RAP1152-B	1,152f	1.06	26.8	1.48	37.5	696.2	1,036.0	12f	16
SE-8RAP1728-B	1,728f	1.13	28.6	1.48	37.5	767.4	1,142.0	12f	24

Freeform Ribbon™ Outdoor/Indoor LSZH Riser Central Tube Cables



SPECIFICATIONS

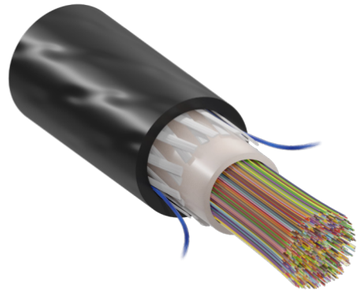
PROPERTY	SPECIFICATION	
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km
Min. Bend Radius (During Installation)	20 x Cable OD	
Min. Bend Radius (After Installation)	10 x Cable OD	
Max. Tensile Load (During Installation)	600 lb (2,670 N)	
Max. Recommended Service Load	180 lb (800 N)	
Compression Resistance	125 lb/in (220 N/cm)	
Operation Temperature Range	-40 to +158°F (-40 to +70°C)	
Standards	OFNR, FT4, Low Smoke/ST-1, NFPA 130	

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES	CPR RATING
		IN	MM	LB/KFT	KG/KM			
250 µm								
SE-8RSP0012-B-12	12f	0.44	11.3	95.0	141.4	12f	N/A	N/A
SE-8RSP0024-B-12	24f	0.44	11.3	95.8	142.6	12f	N/A	N/A
SE-8RSP0036-B-12	36f	0.44	11.3	96.6	143.7	12f	N/A	N/A
SE-8RMP0048-B-12	48f	0.44	11.3	97.3	144.8	12f	N/A	Cca, s1a, d1, a1
SE-8RSP0072-B	72f	0.56	14.1	137.8	205.1	12f	1	N/A
SE-8RSP0096-B-12	96f	0.56	14.1	137.1	204.0	12f	N/A	N/A
SE-8RSP0144-B	144f	0.56	14.1	142.4	211.9	12f	2	N/A
SE-8RSP0192-B-12	192f	0.67	17.0	164.5	244.8	12f	N/A	N/A
SE-8RMP0288-B	288f	0.67	17.0	174.7	260.0	12f	4	Cca, s1b, d0, a1
SE-8RSP0432-B	432f	0.73	18.5	202.3	301.1	12f	6	N/A
SE-8RSP0576-B	576f	0.95	24.2	329.3	490.1	12f	8	N/A
SE-8RSP0864-B	864f	0.95	24.2	347.6	517.3	12f	12	N/A
SE-8RSP1152-B	1,152f	1.06	26.8	434.1	646.0	12f	16	N/A
SE-8RMP1728-B	1,728f	1.13	28.6	505.3	752.0	12f	24	B2ca, s2, d0, a1

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES	CPR RATING
		IN	MM	LB/KFT	KG/KM			
200 µm								
SE-8RST0012-B-12	12f	0.44	11.3	95.8	141.0	12f	N/A	N/A
SE-8RST0024-B-12	24f	0.44	11.3	95.3	141.8	12f	N/A	N/A
SE-8RMT0048-B-12	48f	0.44	11.3	96.9	142.5	12f	N/A	Cca, s1a, d1, a1
SE-8RST0072-B	72f	0.56	14.1	137.6	202.5	12f	1	N/A
SE-8RST0144-B	144f	0.56	14.1	138.8	206.6	12f	2	N/A
SE-8RMT0288-B	288f	0.67	17.0	167.8	249.8	12f	4	Cca, s1b, d0, a1
SE-8RST0432-B	432f	0.73	18.5	191.7	285.3	12f	6	N/A
SE-8RST0864-B	864f	0.95	24.2	326.4	485.7	12f	12	N/A
SE-8RMT1728-B	1,728f	1.13	28.6	464.2	689.8	12f	24	B2ca, s2, d0, a1

Freeform Ribbon™ Outdoor/Indoor OFNR LSZH Central Tube Cable



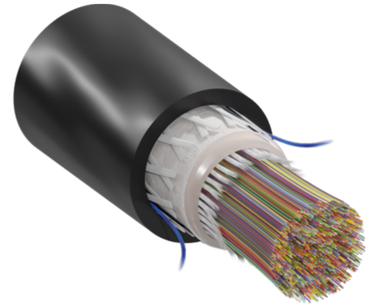
SPECIFICATIONS

PROPERTY	SPECIFICATION	
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km
Min. Bend Radius (During Installation)	20 x Cable OD	
Min. Bend Radius (After Installation)	10 x Cable OD	
Max. Tensile Load (During Installation)	600 lb (2,700 N)	
Max. Recommended Service Load	200 lb (890 N)	
Compression Resistance	124 lb/in (220 N/cm)	
Operation Temperature Range	-40 to +158°F (-40 to +70°C)	
Standards	ICEA 696, RoHS, FT4-UL1666, UL1685-LS, NFPA 130, NFPA 502	

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES
		IN	MM	LB/KFT	KG/KM		
200 µm							
SE-8RST3456-B	3,456f	1.29	32.7	634.5	947.0	12f	24

Freeform Ribbon™ Indoor/Outdoor LSZH Riser Central Tube Cables



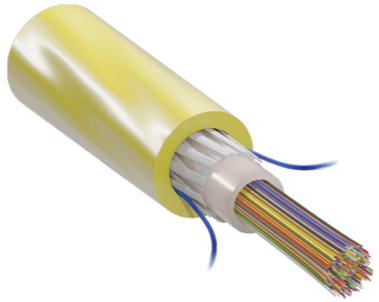
SPECIFICATIONS

PROPERTY	SPECIFICATION	
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km
Min. Bend Radius (During Installation)	20 x Cable OD	
Min. Bend Radius (After Installation)	10 x Cable OD	
Max. Tensile Load (During Installation)	600 lb (2,670 N)	
Max. Recommended Service Load	180 lb (800 N)	
Compression Resistance	125 lb/in (220 N/cm)	
Operation Temperature Range	-40 to +158°F (-40 to +70°C)	
Standards	OFNR, FT4, Low Smoke/ST-1	

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES	CPR RATING
		IN	MM	LB/KFT	KG/KM			
250 µm								
SE-8RJP0864-B	864f	0.87	22.2	299.0	446.3	12f	12	Cca, s1b, d0, a1
200 µm								
SE-8RJT0864-B	864f	0.87	22.2	277.8	414.6	12f	12	Cca, s1b, d0, a1

Freeform Ribbon™ Outdoor/Indoor Plenum Central Tube Cable



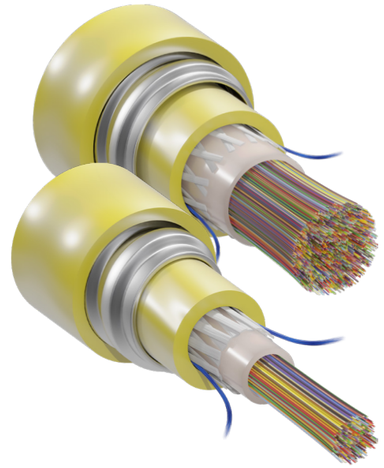
SPECIFICATIONS

PROPERTY	SPECIFICATION	
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km
Min. Bend Radius (During Installation)	20 x Cable OD	
Min. Bend Radius (After Installation)	10 x Cable OD	
Max. Tensile Load (During Installation)	600 lb (2,670 N)	
Compression Resistance	200 lb (890 N)	
Operation Temperature Range	-40 to +158°F (-40 to +70°C)	
Standards	OFNP, CSA FT6 Listed, ICEA 596	

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES
		IN	MM	LB/KFT	KG/KM		
250 µm							
SE-8RYP0144-B	144f	0.56	14.3	141.0	210.0	12	2

Freeform Ribbon™ Interlocking Armored Indoor Riser Central Tube Cables



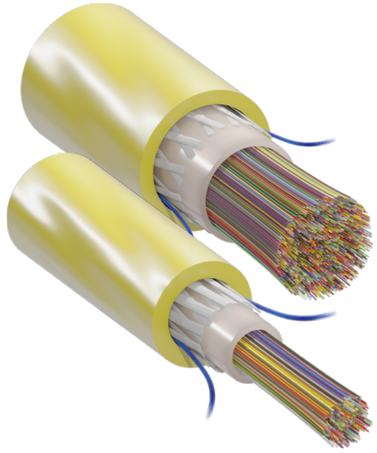
SPECIFICATIONS

PROPERTY	SPECIFICATION	
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km
Min. Bend Radius (During Installation)	20 x Cable OD	
Min. Bend Radius (After Installation)	10 x Cable OD	
Max. Tensile Load (During Installation)	600 lb (2,700 N)	
Max. Recommended Service Load	200 lb (890 N)	
Compression Resistance	124 lb/in (220 N/cm)	
Operation Temperature Range	-4 to +158°F (-20 to +70°C)	
Standards	OFCR, FT-4/UL 1666	

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL CABLE ARMOR OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES
		IN	MM	IN	MM	LB/KFT	KG/KM		
250 µm									
SE-8RLP0288-B	288f	0.62	15.7	0.91	23.0	252.0	375.0	12f	4
SE-8RLP1728-B	1,728f	1.01	25.6	1.51	38.4	674.0	1,003.0	12f	24

Freeform Ribbon™ Indoor Riser Central Tube Cables



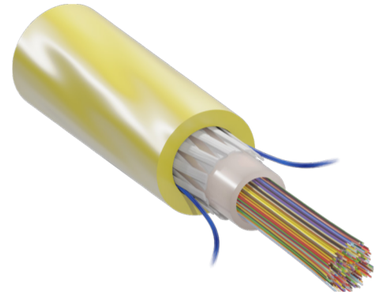
SPECIFICATIONS

PROPERTY	SPECIFICATION	
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km
Min. Bend Radius (During Installation)	20 x Cable OD	
Min. Bend Radius (After Installation)	10 x Cable OD	
Max. Tensile Load (During Installation)	600 lb (2,700 N)	
Max. Recommended Service Load	200 lb (890 N)	
Compression Resistance	125 lb/in (220 N/cm)	
Operation Temperature Range	-4 to +158°F (-20 to +70°C)	
Standards	OFNR, FT4	

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES
		IN	MM	LB/KFT	KG/KM		
250 µm							
SE-8RPP0288-B	288f	0.62	15.7	200.0	297.0	12f	4
SE-8RPP0576-B	576f	0.85	21.5	224.0	334.0	12f	8
SE-8RPP1728-B	1,728f	1.01	25.6	319.0	475.0	12f	24
200 µm							
SE-8RPT0288-B	288f	0.55	14.0	115.0	171.0	12f	4
SE-8RPT1728-B	1,728f	0.97	24.7	261.0	389.0	12f	24

Freeform Ribbon™ Indoor Plenum Central Tube Cables



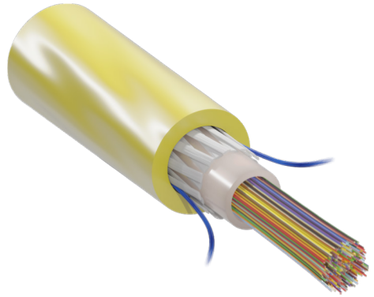
SPECIFICATIONS

PROPERTY	SPECIFICATION	
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km
Min. Bend Radius (During Installation)	20 x Cable OD	
Min. Bend Radius (After Installation)	10 x Cable OD	
Max. Tensile Load (During Installation)	300 lb (1,340 N)	
Max. Recommended Service Load	100 lb (450 N)	
Compression Resistance	125 lb/in (220 N/cm)	
Operation Temperature Range	+32 to +158°F (0 to +70°C)	
Standards	OFNP, FT6	

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES
		IN	MM	LB/KFT	KG/KM		
250 µm							
SE-8RUP0012-B-12	12f	0.41	10.3	85.5	127.6	12f	N/A
SE-8RUP0024-B-12	24f	0.41	10.3	86.5	128.8	12f	N/A
SE-8RUP0048-B-12	48f	0.41	10.3	88.0	131.0	12f	N/A
SE-8RUP0072-B	72f	0.43	11.0	90.9	135.3	12f	1
SE-8RUP0096-B-12	96f	0.43	11.0	92.4	137.5	12f	N/A
SE-8RUP0144-B-12	144f	0.47	12.0	102.7	152.9	12f	N/A
SE-8RUP0192-B-12	192f	0.57	14.4	128.1	190.6	12f	N/A
SE-8RUP0288-B	288f	0.57	14.4	134.2	199.7	12f	4
200 µm							
SE-8RUT0012-B-12	12f	0.41	10.3	85.5	127.2	12f	N/A
SE-8RUT0024-B-12	24f	0.41	10.3	86.0	128.0	12f	N/A
SE-8RUT0048-B-12	48f	0.41	10.3	87.0	129.4	12f	N/A
SE-8RUT0072-B	72f	0.43	11.0	89.3	132.9	12f	1
SE-8RUT0096-B-12	96f	0.43	11.0	90.2	134.3	12f	N/A
SE-8RUT0144-B-12	144f	0.47	12.0	99.5	148.1	12f	N/A
SE-8RUT0192-B-12	192f	0.57	14.4	123.8	184.2	12f	N/A
SE-8RUT0288-B	288f	0.57	14.4	129.1	190.0	12f	4

Freeform Ribbon™ Indoor LSZH Riser Central Tube Cables



SPECIFICATIONS

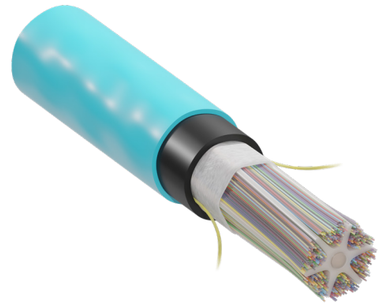
PROPERTY	SPECIFICATION	
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km
Min. Bend Radius (During Installation)	20 x Cable OD	
Min. Bend Radius (After Installation)	10 x Cable OD	
Max. Tensile Load (During Installation)	300 lb (1,340 N)	
Max. Recommended Service Load	100 lb (450 N)	
Compression Resistance	125 lb/in (220 N/cm)	
Operation Temperature Range	+32 to +140°F (0 to +60°C)	
Standards	OFNR, FT4, Low Smoke/ST-1	

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	NO. OF BUNDLES	CPR RATING
		IN	MM	LB/KFT	KG/KM			
250 µm								
SE-8RZP0072-B-12	72f	0.46	11.8	98.5	146.5	12f	N/A	N/A
SE-8RNP0096-B-12	96f	0.46	11.8	100.1	148.9	12f	N/A	Cca, s1a, d0,a1
SE-8RZP0144-B-12	144f	0.57	14.4	129.1	192.1	12f	N/A	N/A
SE-8RNP0192-B-12	192f	0.57	14.4	132.3	196.9	12f	N/A	Cca, s1a, d0,a1
200 µm								
SE-8RZT864-B	864f	0.86	21.8	268.4	399.4	12f	12	N/A

APAC REGION ONLY

Freeform Ribbon™ Conventional OSP Nylon Sheath All-Dielectric Slotted Core Cables



SPECIFICATIONS

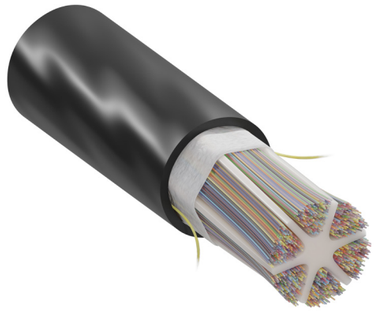
PROPERTY	SPECIFICATION	
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km
Max. Tensile Load (During Installation)	600 lb (2,670 N)	
Max. Recommended Service Load	180 lb (800 N)	
Compression Resistance	124 lb/in (220 N/cm)	
Operation Temperature Range	+14 to +158°F (-10 to +70°C)	
Standards	Referencing EIA/TIA-455	

ORDERING INFORMATION

SEI PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	FIBERS PER SLOT	STRANDING	STRENGTH MEMBER
		IN	MM	LB/KFT	KG/KM				
250 µm									
NM432SM(PA)-SZ12(EZB)-WB-E/NY{LB}	432f	0.83	21.0	201.6	300.0	12f	72	SZ	FRP
NM1728SM(PA)-TS12-WB-E/NY{LB}	1,728f	1.14	29.0	470.4	700.0	12f	288	HL	FRP
200 µm									
NM288SM(PA200)-SZ12(EZB)-WB-E/NY{LB}	288f	0.63	16.0	147.8	220.0	12f	48	SZ	FRP
NM432SM(PA200)-SZ12(EZB)-WB-E/NY{LB}	432f	0.69	17.5	181.4	270.0	12f	72	SZ	FRP
NM864SM(PA200)-SZ12(EZB)-WB-E/NY{LB}	864f	0.79	20.0	255.3	380.0	12f	144	SZ	FRP
NM1728SM(PA200)-SZ12(EZB)-WB-E/NY{LB}	1,728f	1.06	27.0	315.8	470.0	12f	288	SZ	FRP

APAC REGION ONLY

Freeform Ribbon™ Conventional OSP Slotted Core Cables



SPECIFICATIONS

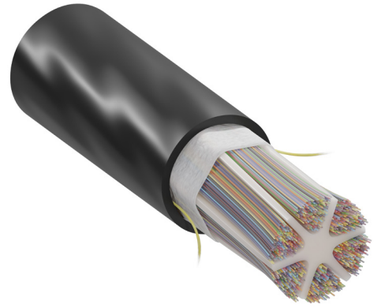
PROPERTY	SPECIFICATION	
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km
Max. Tensile Load (During Installation)	600 lb (2,670 N)	
Max. Recommended Service Load	180 lb (800 N)	
Compression Resistance	124 lb/in (220 N/cm)	
Operation Temperature Range	-40 to +158°F (-40 to +70°C)	
Standards	Referencing EIA/TIA-455	

ORDERING INFORMATION

SEL PART NUMBER	SEI PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	FIBERS PER SLOT	STRANDING	STRENGTH MEMBER
			IN	MM	LB/KFT	KG/KM				
200 µm										
N/A	288SM(PA200)-SZ12(EZB)-WB-E	288f	0.56	14.2	117.6	175.0	12f	48	SZ	Metallic
DRSC-OSP6-SA00288-200-ADEROLD	NM288SM(PA200)-SZ12(EZB)-WB-E	288f	0.60	15.0	127.7	190.0	12f	48	SZ	FRP
DRSC-OSP6-SA00432-200-ADEROLD	NM432SM(PA200)-SZ12(EZB)-WB-E	432f	0.65	16.5	134.4	200.0	12f	72	SZ	FRP
DRSC-OSP6-SA00864-200-ADE	NM864SM(PA200)-SZ12(EZB)-WB-E	864f	0.75	19.0	201.6	300.0	12f	144	SZ	FRP
DRSC-OSP6-SA01728-200-ADE	NM1728SM(PA200)-SZ12(EZB)-WB-E	1,728f	0.99	25.0	268.8	400.0	12f	288	SZ	FRP

APAC REGION ONLY

Freeform Ribbon™ Indoor/Outdoor LSZH Slotted Core Cables



SPECIFICATIONS

PROPERTY	SPECIFICATION	
Fiber Type	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	
Fiber Attenuation Grade	Standard Single-Mode	
Attenuation	1310 nm	0.40 dB/km
	1550 nm	0.30 dB/km
Min. Bend Radius (During Installation)	20 x Cable OD	
Max. Tensile Load (During Installation)	600 lb (2,670 N)	
Max. Recommended Service Load	180 lb (800 N)	
Compression Resistance	124 lb/in (220 N/cm)	

ORDERING INFORMATION

SEI PART NUMBER	FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON	FIBERS PER SLOT	STRANDING	STRENGTH MEMBER	STANDARDS	
		IN	MM	LB/KFT	KG/KM						
250 µm											
NM864SM(PA)-TS12(EZB)-WB-E-LSZH(EN)	864f	0.89	22.5	295.7	440.0	12f	144	HL	FRP	IEC 60332-3 Part 3 Cat.C	EN50399
NM1728SM(PA)-TS12(EZB)-WB-E-LSZH(EN)	1,728f	1.11	28.0	403.2	600.0	12f	288	HL	FRP	IEC 60332-3 Part 3 Cat.C	EN50399
200 µm											
NM288SM(PA200)-SZ12(EZB)-WB-E-LSZH	288f	0.65	16.5	168.0	250.0	12f	48	SZ	FRP	IEC 60332-3 Part 3 Cat.C	IEC 61034-2
288SM(PA200)-SZ12(EZB)-WB-E-LSZH	288f	0.61	15.5	164.7	245.0	12f	48	SZ	Metallic	IEC 60332-3 Part 3 Cat.C	IEC 61034-2
432SM(PA200)-SZ12(EZB)-WB-E-FR	432f	0.69	17.5	221.7	330.0	12f	72	SZ	Metallic	JIS C 3521	N/A
NM1728SM(PA200)-TS12(EZB)-WB-E-LSZH(EN)	1,728f	0.97	24.5	309.1	460.0	12f	288	HL	FRP	IEC 60332-3 Part 3 Cat.C	EN50399

SUMITOMO ELECTRIC LIGHTWAVE

APAC RESOURCES

Asia Pacific & Middle East Contact Information

Corporate Office

Sumitomo Electric Industries

1-3-13 Motoasakaka,

Minato-ku, Tokyo 107-8468, Japan

Customer Support Team

+81-(0)3-6406-2855

Contact Form

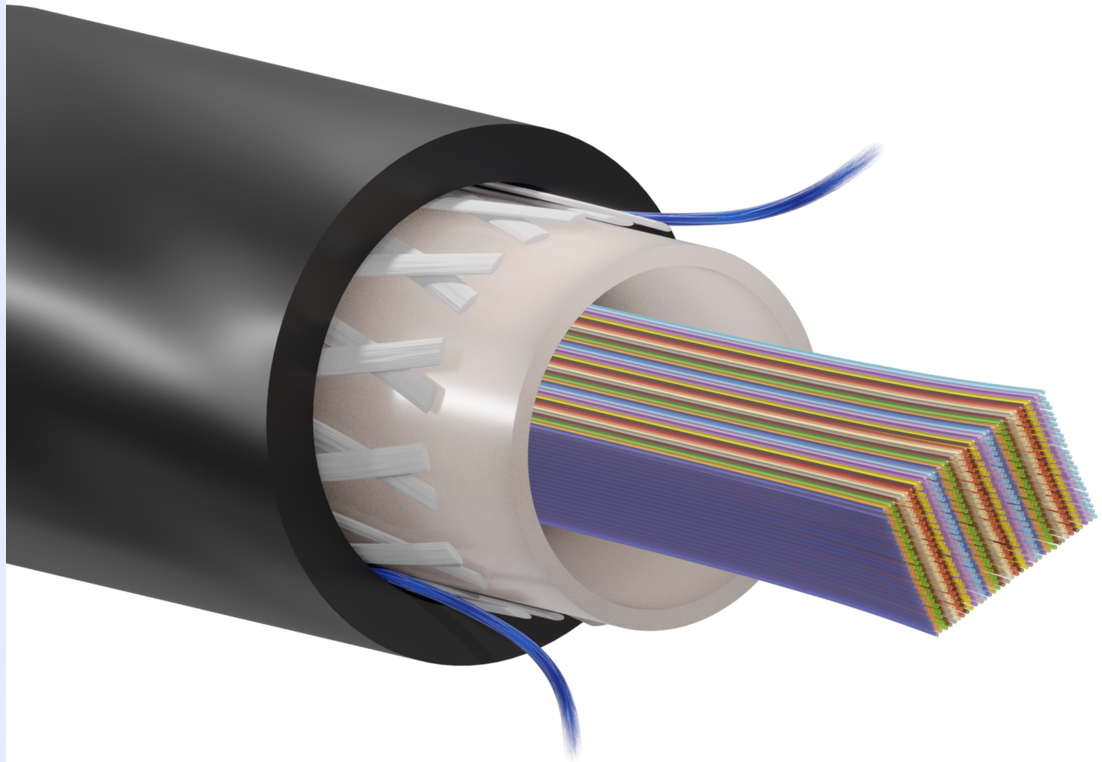
https://sumitomoelectriclightwave.com/global-data-center-support-asia-pacific-middle-east/

Global Data Center Solution Website

https://sumitomoelectriclightwave.com/market-application/data-center-network-solutions/

Follow us on LinkedIn for the Latest Updates

https://www.linkedin.com/showcase/sumitomo-electric-fiber-optics-products/



Standard Ribbon Central Tube Cables

Standard Ribbon Cables feature 250µm 12-fiber ribbons inside a central tube surrounded with flame-retardant and/or UV-resistant jackets. Flexible dielectric strength members within the cable core provide mechanical durability. The 12-fiber ribbons inside are color-coded and contain ribbon ID numbers, allowing for easier identification. Additional options include interlocking armor, which adds further protection.

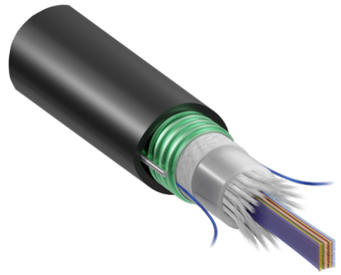
BENEFITS

Standard Ribbon Central Tube Cables feature patented easy split-and-peel technology for easier fiber access and unprecedented ease of handing and splicing. The 12-fiber ribbons enable connectorization with both MPO and all industry-standard connectors. The non-preferential bend axis allows for easy installation in space-constrained areas.

FEATURES

- Dry Central Tube Design
- Easily Peelable Ribbon Matrix Material
- 12-Fiber Ribbon Groupings
- Fire-Rated Cables Available
- SEL PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber

Standard Ribbon Armored OSP Central Tube Cables



SPECIFICATIONS

PROPERTY	SPECIFICATION
Min. Bend Radius (During Installation)	20 x Cable OD
Min. Bend Radius (After Installation)	10 x Cable OD
Max. Tensile Load (During Installation)	600 lb (2,670 N)
Max. Recommended Service Load	200 lb (890 N)
Compression Resistance	248 lb/in (440 N/cm)
Operation Temperature Range	-40 to +158°F (-40 to +70°C)

ORDERING INFORMATION

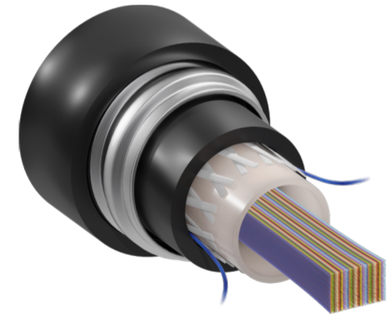
FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON
	IN	MM	LB/KFT	KG/KM	
250 µm					
12 - 48f	0.55	14.0	110.0	182.0	12f
60 - 96f	0.58	14.7	140.0	208.0	12f
108 - 144f	0.64	16.2	169.0	252.0	12f
156 - 216f	0.80	20.4	205.0	305.0	12f
240 - 288f	0.86	21.9	249.0	371.0	24f
312 - 432f	0.97	24.6	286.0	425.0	24f

Instructions: Create a part number by using this character set and codes.

SE - 1 DB 2222 - 3

1 - FIBER TYPE		2 - FIBER COUNT (4-DIGITS)		3 - FIBER ATTENUATION GRADES	
8	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	0012	12f	B	Standard Single-Mode 0.40/0.30 dB/km (1310/1550 nm)
		0024	24f		
		0048	48f		
		0072	72f		
		0096	96f		
		0144	144f		
		0288	288f		
		0432	432f		

Standard Ribbon Interlocking Armored Indoor/Outdoor Riser Central Tube Cables



SPECIFICATIONS

PROPERTY	SPECIFICATION
Min. Bend Radius (During Installation)	20 x Cable OD
Min. Bend Radius (After Installation)	10 x Cable OD
Max. Tensile Load (During Installation)	600 lb (2,670 N)
Max. Recommended Service Load	200 lb (890 N)
Compression Resistance	124 lb/in (220 N/cm)
Operation Temperature Range	+32 to +158°F (0 to +70°C)
Standards	OFCR, FT4

ORDERING INFORMATION

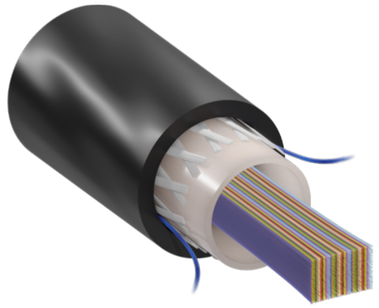
FIBER COUNT	NOMINAL CABLE OD		NOMINAL CABLE ARMOR OD		NOMINAL WEIGHT		FIBERS PER RIBBON
	IN	MM	IN	MM	LB/KFT	KG/KM	
250 µm							
12 - 48f	0.61	15.5	0.89	22.7	258.0	384.0	12f
96 - 144f	0.67	17.0	1.02	26.0	281.0	419.0	12f

Instructions: Create a part number by using this character set and codes.

SE - 1 RR 2222 - 3

1 - FIBER TYPE		2 - FIBER COUNT (4-DIGITS)		3 - FIBER ATTENUATION GRADES	
8	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	0012	12 Fibers	B	Standard Single-Mode 0.40/0.30 dB/km (1310/1550 nm)
		0024	24 Fibers		
		0048	48 Fibers		
		0072	72 Fibers		
		0096	96 Fibers		
		0144	144 Fibers		

Standard Ribbon Indoor/Outdoor Riser Central Tube Cables



SPECIFICATIONS

PROPERTY	SPECIFICATION
Min. Bend Radius (During Installation)	20 x Cable OD
Min. Bend Radius (After Installation)	10 x Cable OD
Max. Tensile Load (During Installation)	600 lb (2,670 N)
Max. Recommended Service Load	200 lb (890 N)
Compression Resistance	124 lb/in (220 N/cm)
Operation Temperature Range	+32 to +158°F (0 to +70°C)
Standards	OFNR, FT4

ORDERING INFORMATION

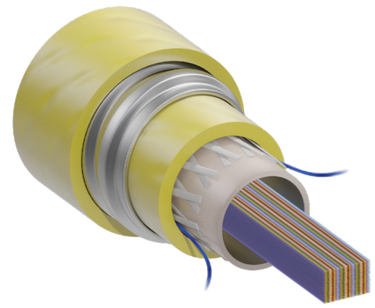
FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON
	IN	MM	LB/KFT	KG/KM	
250 µm					
12 - 48f	0.61	15.5	148.0	220.0	12f
60 - 144f	0.69	17.0	155.0	230.0	12f

Instructions: Create a part number by using this character set and codes.

SE - 1 RG 2222 - 3

1 - FIBER TYPE		2 - FIBER COUNT (4-DIGITS)		3 - FIBER ATTENUATION GRADES	
8	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	0012	12 Fibers	B	Standard Single-Mode 0.40/0.30 dB/km (1310/1550 nm)
		0024	24 Fibers		
		0048	48 Fibers		
		0072	72 Fibers		
		0096	96 Fibers		
		0144	144 Fibers		

Standard Ribbon Interlocking Armored Indoor Riser Central Tube Cables



SPECIFICATIONS

PROPERTY	SPECIFICATION
Min. Bend Radius (During Installation)	20 x Cable OD
Min. Bend Radius (After Installation)	10 x Cable OD
Max. Tensile Load (During Installation)	600 lb (2,670 N)
Max. Recommended Service Load	200 lb (890 N)
Compression Resistance	124 lb/in (220 N/cm)
Operation Temperature Range	-4 to +158°F (-20 to +70°C)
Standards	OFCR, FT4

ORDERING INFORMATION

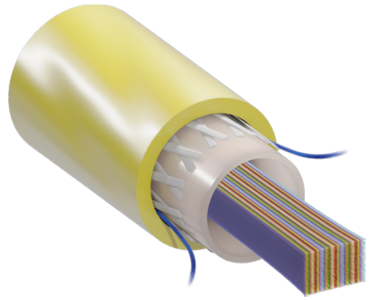
FIBER COUNT	NOMINAL CABLE OD		NOMINAL CABLE ARMOR OD		NOMINAL WEIGHT		FIBERS PER RIBBON
	IN	MM	IN	MM	LB/KFT	KG/KM	
250 µm							
12 - 96f	0.52	13.2	0.91	23.0	265.3	396.0	12f
108 – 216f	0.62	15.7	0.94	25.0	308.2	460.0	12f
288 – 432f	0.81	20.5	1.16	29.4	375.2	560.0	24f
576 – 864f	1.03	26.1	1.51	38.4	674.0	1,003.0	36f

Instructions: Create a part number by using this character set and codes.

SE - 1 RL 2222 - 3

1 - FIBER TYPE		2 - FIBER COUNT (4-DIGITS)		3 - FIBER ATTENUATION GRADES	
1	50µm Multi-Mode Fiber (OM3/OM4, 12-432F Only)	0012	12f	B	Standard Single-Mode 0.40/0.30 dB/km (1310/1550 nm)
8	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber	0024	24f	7	OM3 Enhanced Performance 50µm MM (850/1300nm) 10Gb
		0048	48f	8	OM4 Enhanced Performance 50µm MM (850/1300nm) 10Gb
		0072	72f		
		0096	96f		
		0144	144f		
		0288	288f		
		0432	432f		
		0576	576f		
		0864	864f		

Standard Ribbon Indoor Riser Central Tube Cables



SPECIFICATIONS

PROPERTY	SPECIFICATION
Min. Bend Radius (During Installation)	20 x Cable OD
Min. Bend Radius (After Installation)	10 x Cable OD
Max. Tensile Load (During Installation)	600 lb (2,670 N)
Max. Recommended Service Load	200 lb (890 N)
Compression Resistance	124 lb/in (220 N/cm)
Operation Temperature Range	-4 to +158°F (-20 to +70°C)
Standards	OFNR, FT4

ORDERING INFORMATION

FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON
	IN	MM	LB/KFT	KG/KM	
			250 µm		
12 – 96f	0.52	13.2	102.0	151.0	12f
108 – 216f	0.62	15.7	128.0	190.0	12f
288 – 432f	0.81	20.5	210.0	313.0	24f
576 – 864f	1.01	25.6	321.0	478.0	36f

Instructions: Create a part number by using this character set and codes.

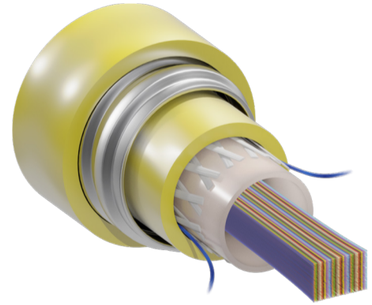
SE - 1 RP 2222 - 3

1 - FIBER TYPE	
1	50µm Multi-Mode Fiber (OM3/OM4, 12-432f Only)
8	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber

2 - FIBER COUNT (4-DIGITS)	
0012	12f
0024	24f
0048	48f
0072	72f
0096	96f
0144	144f
0288	288f
0432	432f
0576	576f
0864	864f

3 - FIBER ATTENUATION GRADES	
B	Standard Single-Mode 0.40/0.30 dB/km (1310/1550 nm)
7	OM3 Enhanced Performance 50µm MM (850/1300 nm) 10Gb
8	OM4 Enhanced Performance 50µm MM (850/1300 nm) 10Gb

Standard Ribbon Interlocking Armored Indoor Plenum Central Tube Cables



SPECIFICATIONS

PROPERTY	SPECIFICATION
Min. Bend Radius (During Installation)	20 x Cable OD
Min. Bend Radius (After Installation)	10 x Cable OD
Max. Tensile Load (During Installation)	600 lb (2,670 N)
Max. Recommended Service Load	200 lb (890 N)
Compression Resistance	124 lb/in (220 N/cm)
Operation Temperature Range	-40 to +158°F (-40 to +70°C)
Standards	OFCP, FT6

ORDERING INFORMATION

FIBER COUNT	NOMINAL CABLE OD		NOMINAL CABLE ARMOR OD		NOMINAL WEIGHT		FIBERS PER RIBBON
	IN	MM	IN	MM	LB/KFT	KG/KM	
				250 µm			
12 - 48f	0.41	10.5	0.68	17.3	199.0	298.0	12f
60 - 96f	0.55	14.0	0.83	21.0	267.0	398.0	12f
108 - 216f	0.65	16.6	0.87	22.0	295.0	439.0	12f
288 - 432f	0.85	21.6	1.15	29.3	441.0	656.0	24f

Instructions: Create a part number by using this character set and codes.

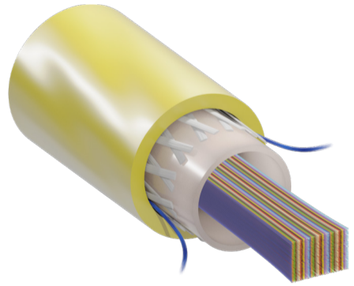
SE - 1 RH 2222 - 3

1 - FIBER TYPE	
1	50µm Multi-Mode Fiber (OM3/OM4)
8	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber

2 - FIBER COUNT (4-DIGITS)	
0012	12f
0024	24f
0048	48f
0072	72f
0096	96f
0144	144f
0288	288f
0432	432f

3 - FIBER ATTENUATION GRADES	
B	Standard Single-Mode 0.40/0.30 dB/km (1310/1550 nm)
7	OM3 Enhanced Performance 50µm MM (850/1300 nm) 10Gb
8	OM4 Enhanced Performance 50µm MM (850/1300 nm) 10Gb

Standard Ribbon Indoor Plenum Central Tube Cables



SPECIFICATIONS

PROPERTY	SPECIFICATION
Min. Bend Radius (During Installation)	20 x Cable OD
Min. Bend Radius (After Installation)	10 x Cable OD
Max. Tensile Load (During Installation)	300 lb (1,335 N)
Max. Recommended Service Load	100 lb (445 N)
Compression Resistance	124 lb/in (220 N/cm)
Operation Temperature Range	+32 to +158°F (0 to +70°C)
Standards	OFNP, FT6

ORDERING INFORMATION

FIBER COUNT	NOMINAL CABLE OD		NOMINAL WEIGHT		FIBERS PER RIBBON
	IN	MM	LB/KFT	KG/KM	
250 µm					
12 - 48f	0.44	10.3	126.0	187.0	12f
60 - 96f	0.55	14.0	129.0	192.0	12f
108 - 216f	0.65	16.6	173.0	257.0	12f
288 - 432f	0.85	21.6	263.0	392.0	24f

Instructions: Create a part number by using this character set and codes.

SE - 1 RU 2222 - 3

1 - FIBER TYPE	
1	50µm Multi-Mode Fiber (OM3/OM4)
8	PureAccess® G.657.A1 Bend Insensitive Single-Mode Fiber

2 - FIBER COUNT (4-DIGITS)	
0012	12f
0024	24f
0048	48f
0072	72f
0096	96f
0144	144f
0288	288f
0432	432f

3 - FIBER ATTENUATION GRADES	
B	Standard Single-Mode 0.40/0.30 dB/km (1310/1550 nm)
7	OM3 Enhanced Performance 50µm MM (850/1300 nm) 10Gb
8	OM4 Enhanced Performance 50µm MM (850/1300 nm) 10Gb

UCTS-001

MSAT-01

RS-24

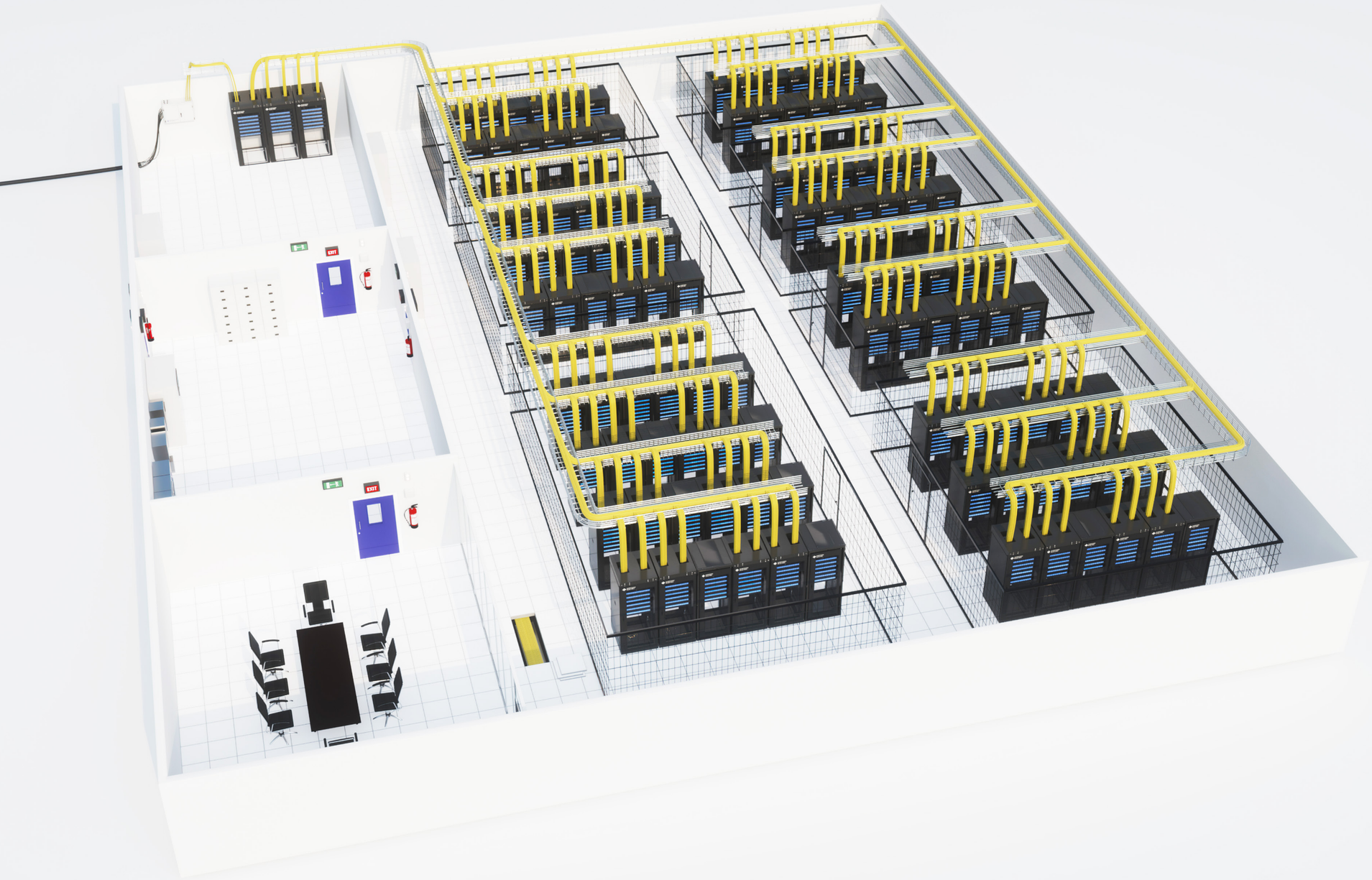
Cable Preparation Accessories

CABLE SLIT & RING TOOLS

PART NUMBER	CABLE TYPE	CUT TYPE	OD RANGE	APPLICATION
CRC-001	Cable	Ring	0.25 – 1.625 in (4 – 28 mm)	End/Mid-Span Access
CSC-002	Cable	Slit	N/A	End/Mid-Span Access
ACS-01	Armored Cable	Slit & Ring	0.315 – 1.125 in (8 – 28.6 mm)	End/Mid-Span Access
UCTS-001	Central Tube	Slit & Ring	0.19 – 0.73 in (4.75 – 18.5 mm)	End/Mid-Span Access
BTR-3	Buffer Tube	Slit & Ring	0.250 – 0.563 in (6.4 – 14.3 mm)	End/Mid-Span Access
BTR-2	Buffer Tube	Slit & Ring	0.126 – 0.220 in (3.2 – 5.6 mm)	End/Mid-Span Access
LYNX2-CORDTOOL-2.0-3.0	Buffer Tube	Slit & Ring	0.08 – 0.12 in (2.0 - 3.0 mm)	Lynx-CustomFit™ Cord Prep, End Access
LYNX2-CORDTOOL-1.6-2.4	Buffer Tube	Slit & Ring	0.06 – 0.09 in (1.6 – 2.4 mm)	Lynx-CustomFit™ Cord Prep, End Access
LYNX2-CORDTOOL-1.6-2.0-3.0	Buffer Tube	Slit & Ring	0.06 – 0.12 in (1.6 – 3.0 mm)	Lynx-CustomFit™ Cord Prep, End/ Mid-Span Access
LYNX2-CORDTOOL-4.8	Buffer Tube	Slit	0.12 – 0.26 in (2.9 – 6.8 mm)	Lynx-CustomFit™ Cord Prep, End/ Mid-Span Access
MSAT-01	Buffer Tube	Slit	0.071 – 0.126 in (1.8 – 3.2 mm)	End/Mid-Span Access
BTS-TP1	Buffer Tube	Shaver	0.07 in – 0.16 in (1.8 – 4.2 mm)	End/Mid-Span Access
CSS-002	Drop Cable	Slit	0.31 x 0.15 – 0.35 x 0.18 in (7.7 x 3.9 – 8.9 x 4.7 mm)	End/Mid-Span Access

ADDITIONAL CABLE ACCESSORIES

PART NUMBER	DESCRIPTION
ACS-01-BLADE	Replacement Blade for ACS-01
UCTS-001-BLADE	Replacement Blade for UCTS-001
FRSJ-01	Freeform Ribbon™ Separation Tool Kit
RS-24	24f Ribbon Splitter Tool
MA-2-KIT	Ribbon Matrix Remover with Ribbon Splitter Tool (RS-M1), Board, Double-Sided Tape (Qty. 25), and Ribbon Color Code Chart (RCC-001)
MA-2-REFILL	Ribbon Matrix Remover with Board & Double-Sided Tape (Qty. 25)
MSAT-BLADE	Replacement Blade for MSAT-01, Two Blade Set
RS-M1	Ribbon Splitting Tool
JR-7	Heated Jacket Remover with AC Adapter & Battery for Single-fibers & up to 12-Fiber Ribbons
JR-M03	Jacket Remover for 250µm, 900µm, and Up to 3 mm Jacketed Single-fibers
LYNX-SHEARS	Lynx-CustomFit™ Aramid Shears



DATA CENTER SOLUTIONS

To effectively handle the ever-growing complexity of day-to-day operations, you require a supplier dedicated to resolving problems within a time frame that aligns with yours. Sumitomo Electric Lightwave (SEL) will analyze your network and tailor a solution that's unique to you.

Our experts are dedicated to the maintenance, growth, and expansion of your data center, utilizing standard or custom products. SEL recognizes that one solution never fits all. Allow us to identify a solution that uniquely suits your needs.

Outside Plant to Entrance Room

Main Distribution Area (MDA)

Data Hall: Cages and Racks

Modular Hyperscale eXchange (M-HSX)

The need for a solution that adapts to every data center's demand for an optical distribution frame has never been greater. Based on the needs across many data centers around the world, SEL has developed the new M-HSX solution, which provides a high-density optical cabling solution that includes the flexibility needed in a single cabinet.

BENEFITS

The M-HSX is designed to reduce the time and hassle it takes for maintenance, installation, or removal of cables. It provides an ease of usability, routing, and scalability now and in the future. The M-HSX has a number of application-specific modules and other beneficial attachments providing further customization for every need.

FEATURES

- Large Capacity (20,736f Splices or 2,596 LC Ports)
- Choice of Cable Management, Modules, & Shingle for Customization and Growth
- Removable Side Doors Allowing for Additional Access to Handle Cables
- Attachable Large Work Platform to Operate Splicers & Other Equipment

HDMEC-MX-CAB

M-HSX Ordering Instructions

Choose between the following options:

1. **M-HSX Starter Solution:** Choose additional Modules, Trays, Cassettes, Cable Management, & other accessories.
2. **Customize your own M-HSX Cabinet:** Purchase the M-HSX cabinet then add Work Platform, Shingles, Modules, Trays, Cassettes, Cable Management, & other accessories as needed (two blank Shingles are recommended with cabinet purchase). M-HSX components can be found on page 38.

M-HSX STARTER SOLUTIONS:

ORDERING INFORMATION

432F SPLICE TRAY CONFIGURATION
HDMEC-MX-STV001

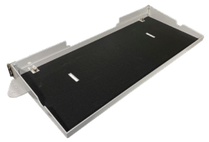
QTY.	COMPONENTS
1	M-HSX Cabinet
1	Work Platform
1	12 Cable Gland Shingle 1.875" (48 mm) Holes, Raised Platform
1	Brush Shingle
2	Blank Shingle
2	Lacing Bar
1	Large Jumper Manager
1	M-HSX Gland & Accessory Starter Kit
1	432f Splice Tray Module, M-HSX
4	432f Splice Tray

288F SPLICE TRAY CONFIGURATION
HDMEC-MX-STV002

QTY.	COMPONENTS
1	M-HSX Cabinet
1	Work Platform
1	12 Cable Gland Shingle 1.875" (48 mm) Holes, Raised Platform
1	Brush Shingle
2	Blank Shingle
2	Lacing Bar
1	Large Jumper Manager
1	M-HSX Gland & Accessory Starter Kit
1	288f Splice Tray Module, M-HSX
6	288f Splice Tray

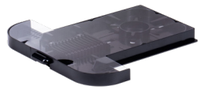
CONNECTIVITY CONFIGURATION
HDMEC-MX-STV003

QTY.	COMPONENTS
1	M-HSX Cabinet
1	Work Platform
1	12 Cable Gland Shingle 1.875" (48 mm) Holes, Raised Platform
1	Brush Shingle
2	Blank Shingle
2	Lacing Bar
1	Large Jumper Manager
1	M-HSX Gland & Accessory Starter Kit
1	Connectivity Module



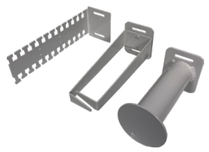
HDMEC-MX-WP

HDMEX-MXST-STHSX



HDFOC-X-ST24-01

HDC-CGS0001



HDMEC-MX-CMSB,
HDMEC-MX-CMCR-M,
HDMEC-MX-CMSP

HDC-CGS0001

M-HSX Components & Accessories

PART NUMBER	DESCRIPTION
	CABINET & WORK PLATFORM
HDMEC-MX-CAB	M-HSX Cabinet (20,736f Splices or 2,592 LC Capacity), Cabinet Only 87.6 x 33 x 17 in (2,240 x 840 x 435 mm)
HDMEC-MX-WP	Work Platform for HDMEC-MX-CAB
	MODULES & TRAYS
HDMEC-MX-STVHSX	432f Splice Tray Module for M-HSX Cabinet, Holds 4 of FTHFC-IMST432
FTHFC-IMST432	432f Splice Tray for M-HSX, Holds up to 36 x 12ct Ribbon Splices, Compatible with HDMEC-MX-STVHSX
HDMEC-MX-STHSX	288f Splice Tray Module for HDMEC-MX-CAB, Holds 6 of HDFOC-X-ST24-01
HDFOC-X-ST24-01	288f Splice Tray for M-HSX, Holds up to 24 x 12ct Ribbon Splices, Compatible with HDMEC-MX-STHSX
HDMEC-MX-LGX	Connectivity Module for HDMEC-MX-CAB, Holds 18 LGX-Sized Adapter Plates or Cassettes
Each Cabinet Unit Can Hold Up to 12 Splice Tray Modules or 6 Connectivity Modules	
	SHINGLE ATTACHMENTS
HDC-BLS0005	High-Density Cabinet Blank Shingle, Solid, Flush Platform
HDC-CBS0004	High-Density Cabinet Cable Brush Shingle, Large Opening, Brush Dust Retention
HDC-CGS0002	High-density Cabinet Gland Shingle, 9 Gland Holes 1.875 in (48 mm) for HDMEC-MX-CAB
HDC-CGS0006	High-density Cabinet Gland Shingle, 12 Gland Holes 1.875 in (48 mm) for HDMEC-MX-CAB
HDC-CGS0001	High-density Cabinet Gland Shingle, 12 Gland Holes 1.875 in (48 mm), 2.75 in (70 mm) Raised Platform for HDMEC-MX-CAB
HDC-CGS0003	High-density Cabinet Gland Shingle, 18 Gland Holes 1 in (24 mm) for HDMEC-MX-CAB
Each Cabinet Unit Can Hold Up to 4 Shingles (2 Bottom & 2 Top)	
	CABLE MANAGEMENT ATTACHMENTS
HDMEC-MX-CMSP	Cable & Fiber Management Spindle for HDMEC-MX-CAB
HDMEC-MX-CMSB	Cable & Fiber Management Lacing Bar for HDMEC-MX-CAB
HDMEC-MX-CMCR-L	Cable & Fiber Management Corral for HDMEC-MX-CAB, Large - 10.8 x 4.1 in (276 x 105 mm) Sized
HDMEC-MX-CMCR-M	Cable or Fiber Management Corral for HDMEC-MX-CAB, Medium - 8.8 x 2.8 in (222 x 70 mm) Sized
HDMEC-MX-CMCR-S	Cable or Fiber Management Corral for HDMEC-MX-CAB, Small - 4.3 x 2.8 in (108 x 70 mm) Sized
Each Cabinet Unit Can Hold Up to 14 Cable Management Attachments (7 Left & 7 Right)	
	PLATFORM RISER
HDMEC-MX-RISER	Riser Platform for HDMEC-MX-CAB with Feet for Bottom Access

FTHFC-41K-SK1

Ultra Hyperscale eXchange (U-HSX)

The Ultra Hyperscale eXchange is a solution for clients employing high-fiber-count ribbon cables in their networks. The U-HSX serves as the demarcation point between outside plant ribbon cables and indoor distribution ribbon cables. The U-HSX is designed to be wall mounted and has the capacity to store 3,456 mass splices for 41,472 fibers. The cabinet comes preassembled with cable management, splice trays, and mounting access points.

QTY.	COMPONENTS
1	U-HSX Cabinet (41,472f Splice Capacity). 72 x 56 x 20 in (1,829 x 1,422 x 508 mm)
1	Work Platform
48	864f Splice Trays
6	12 Cable Gland Shingle 1.875 in (48 mm) Holes, Left/Right
6	Blank Shingle, Left/Right
2	12 Cable Gland Shingle 2 in (51 mm) Holes, Top/Bottom
2	Blank Shingle, Top/Bottom
1	U-HSX Gland & Accessory Starter Kit

HDFOC-X-FRM-STC

Hyperscale eXchange (HSX)

The Hyperscale eXchange cabinet is a high-density floor mountable optical splicing cabinet solution with 20,736 fiber capacity, well suited for small and large data centers alike. Designed with splice trays organized down the cabinet center and with features such as removable cabinet side doors, users have excellent access to attach and manage cable entry & exit, and the associated slack management.

PART NUMBER	DESCRIPTION
HDFOC-X-FRM-STC	HSX Cabinet, Cabinet Only, (20,736f Splice Capacity w/ 288f Splice Trays), (13,824f Splice Capacity w/ 192f Splice Trays), 24 x 84 x 12 in (610 x 2,140 x 306 mm)
HDFOC-X-ST24-01	288f Splice Tray for HSX, holds up to 24 x 12ct Ribbon Splices and Includes 12 Tie Wraps
HDFOC-X-ST01	192f Splice Tray for HSX, holds up to 16 x 12ct Ribbon Splices and Includes 8 Tie Wraps

Vertical Hyperscale eXchange (V-HSX & 3K-V-HSX)

The Vertical Hyperscale eXchange (V-HSX) and 3K Vertical Hyperscale eXchange (3K-V-HSX) are high-density wall mountable fiber splice cabinet solutions. These cabinets perform as transition points between outside plant cables and indoor distribution cables with a capacity of 10,368 fibers (V-HSX) and 3,456 fibers (3K-V-HSX).

- **V-HSX:** Accommodates up to 10,368 fibers. Available as a factory-outfitted unit with 24 splice trays (432f each) or as a base cabinet for customizable growth with separately purchased trays.
- **3K-V-HSX:** Accommodates up to 3,456 fibers. Comes factory-outfitted with 8 splice trays (432f each) and all necessary accessories.

V-HSX STARTER KIT
FTHFC-10K-V-SK1

QTY.	COMPONENTS
1	V-HSX Cabinet (10,368f Splice Capacity), 42 x 32 x 14 in (1,067 x 813 x 356 mm)
1	Work Platform
24	432f Capacity Splice Tray
4	12 Cable Gland Shingle 1.875 in (48 mm) Holes, Left/Right
4	6 Cable Gland Shingle 2 in (51 mm) Holes, Top/Bottom
1	V-HSX Gland & Accessory Starter Kit

V-HSX CABINET & WORK PLATFORM
FTHFC-10K-V-SK1-NT

QTY.	COMPONENTS
1	V-HSX Cabinet, (10,368f Splice Capacity), 42 x 32 x 14 in (1,067 x 813 x 356 mm)
1	Work Platform
4	12 Cable Gland Shingle 1.875 in (48 mm) Holes, Left/Right
4	6 Cable Gland Shingle 2 in (51 mm) Holes, Top/Bottom

3K-V-HSX STARTER KIT
FTHFC-3K-V-SK1

QTY.	COMPONENTS
1	3K-V-HSX Cabinet, (3,456f Splice Capacity), 21.5 x 32 x 15 in (546 x 813 x 381 mm)
1	Work Platform
8	432f Capacity Splice Trays
2	6 Large Cable Gland Shingle 1.875 in (48 mm) Holes, Top/Bottom
1	8 Large Cable Gland Shingle 2 in (51 mm) Holes, Left/Right
2	12 Small Cable Gland Shingle 1 in (25 mm) Holes, Top/Bottom
1	18 Small Cable Gland Shingle 1 in (25 mm) Holes, Right/Left
1	3K-V-HSX Gland & Accessory Starter Kit

FTHFC-3K-V-SK1-BRUSH-SHINGLE

ACCESSORIES

PART NUMBER	DESCRIPTION
FTHFC-IMST432	432f Splice Tray for V-HSX, Holds up to 36 x 12ct Ribbon Splices
FTHFC-3K-V-SK1-BRUSH-SHINGLE	High-Density Cabinet Cable Brush Shingle with Lacing Bar, Large Opening, Brush Dust Retention. Compatible with Top & Bottom Side of V-HSX & 3K-V-HSX Frames

FTHFC-GLAND-KIT-1.515

Entrance Frame Strain Relief Glands

Strain Relief Glands offer secure cable transition to inside each frame, and eliminate unwanted dust from entering.

ORDERING INFORMATION

PART NUMBER	CABLE OD RANGE	SHINGLE HOLE DIA.
FTHFC-GLAND-KIT-1.515	0.944 - 1.515 in (24 - 38.5 mm)	2 in (51 mm)
FTHFC-GLAND-KIT-1.02	0.787 - 1.020 in (20 - 26 mm)	1.875 in (48 mm)
FTHFC-GLAND-KIT-0.827	0.433 - 0.827 in (11 - 21 mm)	2 in (51 mm)
FTHFC-GLAND-KIT-0.709	0.354 - 0.709 in (9 - 18 mm)	1 in (25 mm)

Entrance Frame Consumables

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
FPS-6-5P	40mm Splice Protection Sleeve, 5 per Pack. Used for Splicing 2 to 12 Fibers
FTHFC-SOCK-5/8-75FT	Ribbon Protection Sock, 0.625 in x 75 ft (16 mm x 22.9 m) Spool
FTHFC-HL-TIE-30FT	Hook & Loop Cable Tie, 0.5 in x 30 ft (13 mm x 9.1 m)
FTHFC-HL-3/4IN-30FT	One-Piece Hook & Loop, 0.75 in x 30 ft (19 mm x 9.1 m)

Field Furcation Kits

Field Furcation Kits are designed for furcation (breaking out) of 12-fiber ribbons from high-fiber-count ribbon cables into separate groups for distributing to multiple locations.

ORDERING INFORMATION

FIELD FURCATION KIT, 1/4 IN (6 MM) SLEEVE
FFK-025KIT150F

QTY.	COMPONENTS
1	150 ft (45.7 m) of 0.25 in (6 mm) Flexible Sleeve Black, Up to 192f Freeform Ribbon™ or 144f Flat Ribbon/ Sleeve
2	12 ft (3.7 m) Rolls of Rescue Tape
1	10 ft (3 m) Tube

FIELD FURCATION KIT, 3/8 IN (10 MM) SLEEVE
FFK-038KIT150F

QTY.	COMPONENTS
1	150 ft (45.7 m) of 0.375 in (10 mm) Flexible Sleeve Black, Up to 288f Freeform Ribbon™/Sleeve
2	12 ft (3.7 m) Rolls of Rescue Tape
1	10 ft (3 m) Tube

Breakout Kits for High-Fiber-Count Cables

Breakout Kits for High-Fiber-Count Ribbon Cables provide additional protection for cable quantities of 288 to 6,912 fibers for any distribution frame or cabinet. These breakout kits protect the transition from the cable to the ribbon subunits by combining robust housings and furcation tubing.

FOR-288-CT-SET

FOR-1152-F-SET

FOR-1152-CT-SET

ORDERING INFORMATION

PART NUMBER	FIBER CAP.	QTY PER ITEM NO.	TUBING PORT QTY.	FIBER PER TUBE	TOT. TUBE LENGTH
CENTRAL TUBE CABLE					
FOR-288-CT-SET	288f	5	6 Ports	48f	200 ft (61 m)
FOR-576-864-CT-SET	576f/864f	2	18 Ports	48f	400 ft (122 m)
FOR-1152-CT-SET	1,152f	2	24 Ports	48f	400 ft (122 m)
FOR-1728-CT-SET	1,728f	2	36 Ports	48f	600 ft (183 m)
SLOTTED CORE CABLE					
FOR-1152-F-SET	1,152f	2	24 Ports	48f	400 ft (122 m)
FOR-1152-12T-F-SET	1,152f	2	8 Ports	144f	262 ft (80 m)
FOR-1728-F-SET	1,728f	2	36 Ports	48f	600 ft (183 m)
FOR-1728-12T-F-SET	1,728f	2	12 Ports	144f	262 ft (80 m)
FOR-3456-F-SET	3,456f	2	72 Ports	48f	800 ft (244 m)
FOR-3456-250-F-SET	3,456f	2	72 Ports	48f	800 ft (244 m)
FOR-3456-12T-F-SET	3,456f	2	24 Ports	144f	525 ft (160 m)
FOR-6912-12T-F-SET	6,912f	2	48 Ports	144f	525 ft (160 m)

Part numbers without "12T" are compatible with both flat ribbon and Freeform Ribbon™ fibers. However, part numbers that include "12T" are only compatible with Freeform Ribbon™ fibers.

Cable Breakout Kits for Ribbon

Cable Breakout Kits for Ribbon are designed to segment, manage, and protect 12 to 288 fiber cables using 12-fiber standard flat or pliable ribbons, including SEL's Freeform Ribbon™. Oval-shaped tubes are available in various colors. The easy-to-use kit firmly secures a cable to protect routing fibers to a splice tray or an enclosure for splicing and transitioning to connectivity ports.

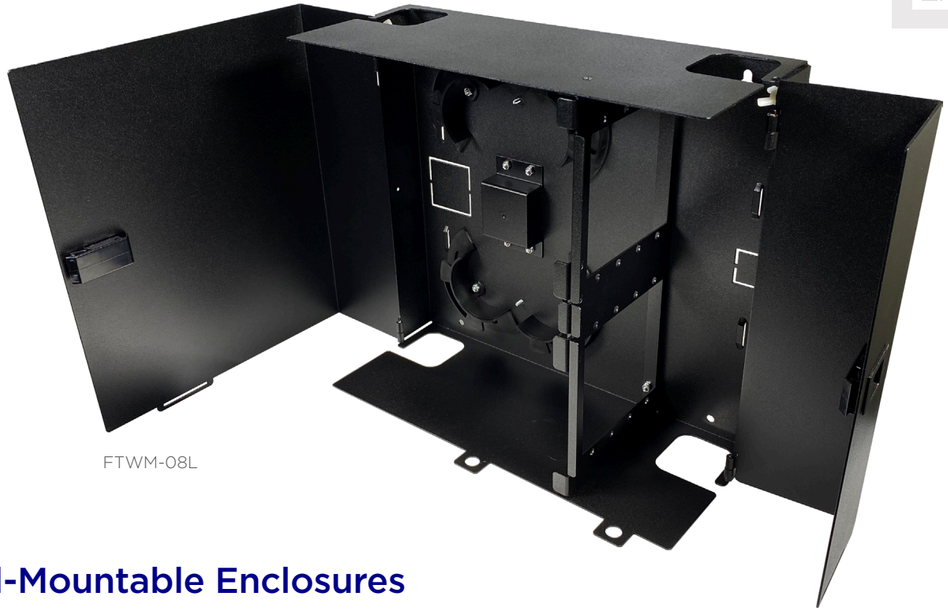
FOR-024-0

FOR-144-0-1

FOR-288-0-1

ORDERING INFORMATION

PART NUMBER	FIBER CAP.	TUBING PORT QTY.	TUBING LENGTH
BOX TRANSITION			
FOR-012-0	12f	1 Port	3.3 ft (1 m)
FOR-024-0	24f	2 Ports	3.3 ft (1 m)
FOR-048-0-BX	48f	4 Ports	3.3 ft (1 m)
ROUND/TUBE TRANSITION			
FOR-048-0-1	48f	4 Ports	3.3 ft (1 m)
FOR-072-0-1	72f	6 Ports	3.3 ft (1 m)
FOR-096-0-1	96f	8 Ports	3.3 ft (1 m)
FOR-144-0-1	144f	12 Ports	3.3 ft (1 m)
FOR-288-0-1 *Freeform Ribbon™ or Pliable Ribbon-Based 288-ct Cables Only*	288f	24 Ports	3.3 ft (1 m)
FOR-288-0 *Flat-Ribbon-Based 288-ct Cables Only*	288f	24 Ports	3.3 ft (1 m)



FTWM-08L

Wall-Mountable Enclosures

The Wall-Mount Enclosure Series, consisting of FTWM-xxL and FSPWM-12T/-LCE models, provides robust interconnect and splice housing solutions. The FTWM-xxL Wall-Mount Enclosures come in three different versions that can accommodate up to eight FOX Splice Cassettes, LGX MPO Cassettes, or Interconnect Panels/Bulkheads with splice chips.

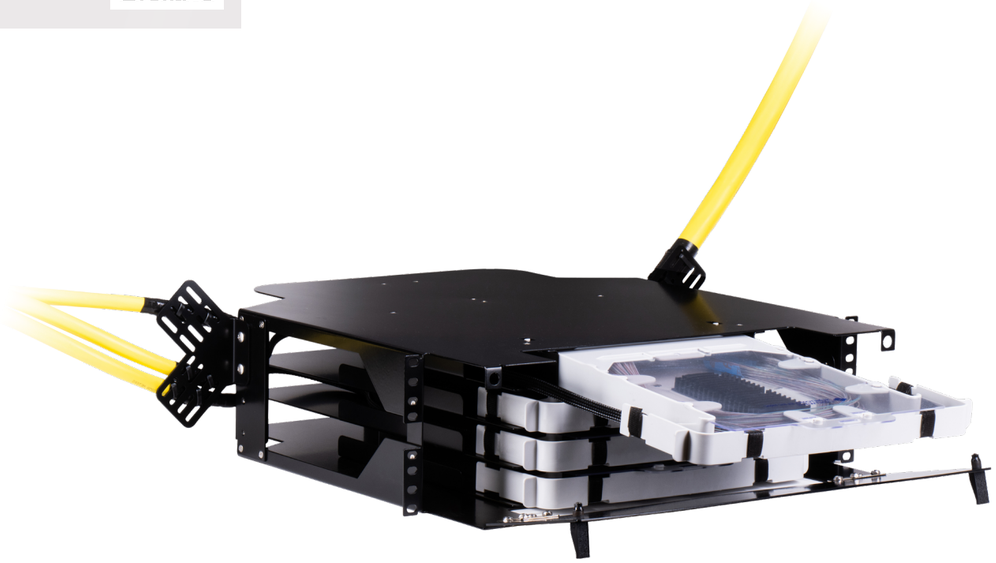
The FSPWM-12T/-LCE Wall-Mount Enclosures come in two options: one with 16 cable entry holes and the other with eight cable slots for larger cables. Additionally, these enclosures have a low profile and can be used in many indoor applications.

ORDERING INFORMATION

PART NUMBER	CASSETTE/PANEL CAPACITY	LC PORT CAPACITY	FIBER CAPACITY	SPLICE TRAY CAPACITY	HOLE TYPE	DIMENSIONS (W. X H. X D.)
FTWM-01L	1	24 LC	48f	N/A	Knockout	9.9 x 6.1 x 1.6 in (251 x 155 x 41 mm)
FTWM-04L	4	96 LC	144f	4 Trays	Knockout	11.2 x 13.2 x 3.5 in (285 x 336 x 89 mm)
FTWM-08L	8	192 LC	192f	5 Trays	Square/ Open	13 x 14.5 x 5.9 in (330 x 369 x 150 mm)
FSPWM-12T	N/A	N/A	2,304f	12 Trays	Knockout	21.3 x 17.3 x 4.7 in (438 x 540 x 119 mm)
FSPWM-12T-LCE*	N/A	N/A	2,304f	12 Trays	Slotted	21.3 x 17.3 x 4.7 in (438 x 540 x 119 mm)

**LCE = Large Cable Entry*

Kitting components with every unit.



FSPRM-03

CABLING INNOVATORS AWARDS GOLD HONOREE

3RU Rack-Mounted Splice Enclosure

The 3RU Rack-Mounted Splice Enclosure is a high-density rack-mountable fiber splice solution. The enclosure can be used as the transition point between outside plant cables and indoor distribution cables, a transition point between larger and smaller cables throughout a facility, or directly spliced and routed to panels mounted underneath. Holding a capacity of 144 spliced ribbons (1,728 fiber), this splice enclosure fits indoor 19-in locations.

ORDERING INFORMATION

PART NUMBER	CASSETTE/PANEL CAPACITY	LC PORT CAPACITY	FIBER CAPACITY	SPLICE TRAY CAPACITY	HOLE TYPE	DIMENSIONS (W. X H. X D.)
FSPRM-03	N/A	N/A	1,728f	4 Trays	3RU	5.25 x 21 x 20 in (133 x 534 x 508 mm)

Kitting components are included with every unit.

Pre-Terminated LC/APC Patching Transit Enclosure

Our IP66 (NEMA 4X Equivalent) Pre-Terminated LC/APC Patching Transit Enclosure feature important innovations and benefits that solve space, usability, and functionality challenges while also providing a secure, clean, and cost-efficient distribution point in which to transition between different cable formats (including ribbon, loose buffer, and tight buffer) and fiber counts, protect fiber terminations (bare fibers), and manage excess cable slack. These indoor environmentally hardened and water-tight enclosures are key-lockable and are wall or ceiling-mountable. In addition, their size and low profile make these enclosures ideal to be deployed in tunnel and platform applications.

FT-IP66-9144-RLA

CABLING INNOVATORS AWARDS
GOLD HONOREE

FEATURES

- Meets IP66 (NEMA4X Equivalent)
- Fiber Capacity: 144 LC
- Available as LC/APC (Other Connector/ Polish Types Available Upon Request)
- 12f Ribbon Fan-out Factory Pre-Terminated
- Wall or Ceiling Mountable
- Enclosure Body is Made with Aluminum

PHYSICAL CHARACTERISTICS

PROPERTY	SPECIFICATIONS
Dimensions	H. 19.7 in (500 mm) W. 19.7 in (500 mm) D. 7.1 in (180 mm)
Weight	Under 26.5 lb (12 kg)
Color	Black
Material	Aluminum

SPECIFICATIONS

PROPERTY	SPECIFICATIONS
Environment	Indoor
Application	Tunnels & Platforms
Installation Type	Ceiling Hanging Box Indoor Wall Mount
IP Rating	IP66 (NEMA4X Equivalent)
Fiber Capacity	144f (12f Freeform Ribbon)
Applicable Cable Types	12f Freeform Ribbon™ Central Tube Cables 12f Freeform Ribbon™ Slotted Core Cables
Cable Entry Capacity	Max. 1 Entry (Upper or Bottom)
Cable Diameter Size	Cable: Max. 0.79 in (20 mm) Tension Member: 0.04 – 0.18 in (1.0 – 4.5 mm)

OPTICAL CHARACTERISTICS OF PRE-TERMINATED RIBBON FAN-OUT FIBER

PROPERTY	SPECIFICATIONS
Polishing Type	APC
Wavelength	1310 nm / 1550 nm
Insertion Loss	≤ 0.50 dB
Return Loss	≥ 60 dB

ORDERING INFORMATION

PART NUMBER	SPLICE CAPACITY	CABLE ENTRY CAPACITY	DIMENSIONS	WEIGHT
FT-IP66-9144-RLA	144f*	Max. 1 Entry (Upper or Bottom)	19.7 x 19.7 x 7.1 in (500 x 500 x 180 mm)	26.5 lb (12 kg)

*With 12-Fiber Pliable Ribbon (200 µm or 250 µm)

ACCESSORIES

PART NUMBER	DESCRIPTION
FPS-6	40mm Splice Protection Sleeve, 5 per Pack. Used for Splicing 2 to 12 Fibers

NEMA 4X/IP66 Splice Transit Enclosure

Our IP66 (NEMA 4X Equivalent) Transit Enclosure feature important innovations and benefits that solve space, usability, and functionality challenges while also providing a secure, clean, and cost-efficient distribution point in which to transition between different cable formats (including ribbon, loose buffer, and tight buffer) and fiber counts, protect fiber terminations (bare fibers), and manage excess cable slack. These indoor environmentally hardened and water-tight enclosures are key-lockable and are wall or ceiling-mountable. In addition, their size and low profile make these enclosures ideal to be deployed in tunnel and platform applications.

FTC-IP66-AL-1728

CABLING INNOVATORS AWARDS
GOLD HONOREE

PHYSICAL CHARACTERISTICS

PROPERTY	SPECIFICATIONS
Dimensions	H. 28.0 in (710 mm) W. 18.9 in (480 mm) D. 9.8 in (250 mm)
Weight	Under 33.1 lb (15 kg)
Color	Black
Material	Aluminum

FEATURES

- Meets IP66 (NEMA4X Equivalent)
- Fiber Capacity: 1,728f
- Mass Fusion Splices
- Built-in Cable Slack, Wiring Guides, & Routing for Easy Access
- Individual Trays Removable from the Base
- Tray Base (with All Trays) is Removable
- Wall or Ceiling Mountable
- Enclosure Body is Made with Aluminum

SPECIFICATIONS

PROPERTY	SPECIFICATIONS
Environment	Indoor
Application	Tunnels & Platforms
Installation Type	Ceiling Hanging Box Indoor Wall Mount
IP Rating	IP66 (NEMA4X Equivalent)
Fiber Capacity	1,728f (12f Freeform Ribbon)
Applicable Cable Types	12f Freeform Ribbon™ Central Tube Cables
Cable Entry Capacity	Max. 2 Entry (Top; Bottom; Left; Right)
Cable Diameter Size	Cable: Max. 1.08 in (27.4 mm)

ORDERING INFORMATION

PART NUMBER	SPLICE CAPACITY	CABLE ENTRY CAPACITY	DIMENSIONS	WEIGHT
FTC-IP66-AL-1728	1,728f*	Max. 2 Entry (Top; Bottom; Left; Right)	28.0 x 18.9 x 9.8 in (710 x 480 x 250 mm)	33.1 lb (15 kg)

*With 12-Fiber Pliable Ribbon (200 µm or 250 µm)

ACCESSORIES

Instructions: Please order the number of parts below based on the size, fiber count and number of cable entries.

PART NUMBER	DESCRIPTION
FPS-6	40mm Splice Protection Sleeve, 5 per Pack. Used for Splicing 2 to 12 Fibers

FT04RU12P

FT02L06

Flex Patch Panels

Flex Patch Panels are rack-mounted termination units with flexibility to handle various applications. These patch panels are compatible with any FOX Splice Cassette, LGX Cassette, or Interconnect Panel/ Bulkhead and allow for sliding tray access from the front and rear. Available in standard 1RU, 2RU, 3RU, and 4RU sizes with two additional extended version for the 2RU and 4RU option. The Flex Patch Panels are a great fit for Air-Blown Fiber® bundles and tube cables over a wide range of network installations and applications.

PART NUMBER	PANEL SIZE	MODULE CAP.	PORT CAP.	DIMENSIONS (W. X H. X D.)
FT01RU3P	1RU	3	72 LC	1.75 x 17 x 14.75 in (44 x 432 x 375 mm)
FT02RU6P	2RU	6	144 LC	3.5 x 17 x 14.75 in (89 x 432 x 375 mm)
FT02RU6PX	2RU	6	144 LC	3.5 x 17 x 17 in (89 x 432 x 432 mm)
FT03RU9P	3RU	9	216 LC	5.22 x 17 x 14.85 in (133 x 432 x 377 mm)
FT04RU12P	4RU	12	288 LC	7 x 17 x 14.75 in (178 x 432 x 375 mm)
FT04RU12PX	4RU	12	288 LC	7 x 17 x 17 in (178 x 432 x 432 mm)

Kitting components with every unit comprised of screws, mounting plates, fiber management, splice tray holder, and more.

PrecisionFlex® Patch Panels

The ability to have a variety of configuration options, a durable protected frame, and density flexibility is important for today's wide array of network requirements. In response, SEL developed the innovative PrecisionFlex® Patch Panels, durable panels with the PrecisionFlex® slide-out and angle-down feature that provides additional flexibility for today's diverse applications.

BENEFITS

The PrecisionFlex® slide-out & angle-down ability allows for easy access to the splicing area and back of bulkhead or cassette, and limited rear slide-out. PrecisionFlex® panels are available in standard 1RU, 2RU, 3RU, & 4RU sizes with LGX or HD (pre-term only) options.

FEATURES

- Clear/See-Through Front Door
- Glides that Provide Easier Sliding
- Ability to Slide Out & Angle Down
- Large & Nonabrasive Cable Exit Points
- Removable Front & Back Door
- Durable Frame
- Compatible Cable Entry Housing for Secure & Safe Cable Entry

PrecisionFlex® Patch Panel Ordering Instructions

Choose between the following options:

1. **PrecisionFlex® Empty Patch Panels:** Purchase a PrecisionFlex® Empty Patch Panel, then add Cassettes or Interconnect Panels and Pigtails, PrecisionFlex® Cable Entry Housing, PrecisionFlex® Cable Entry Housing Bridge, Flush Mount Kits, PrecisionFlex® Splice Tray Holders, Splice Trays, and other accessories as needed.
2. **PrecisionFlex® Pre-Terminated Patch Panels:** Choose the panel size, fiber type, fiber quantity, panel connector type, and other accessories.
3. **PrecisionFlex® Pre-Stubbed Patch Panels:** Choose the panel size, fiber type, fiber quantity, cable type, cable construct, panel connector type, cable length, and other accessories.

FT01L03

PrecisionFlex® Empty Patch Panels

The PrecisionFlex® Empty Patch Panels have a combination of Sumitomo Electric Lightwave's products that can be used together based on your needs.

ORDERING INFORMATION

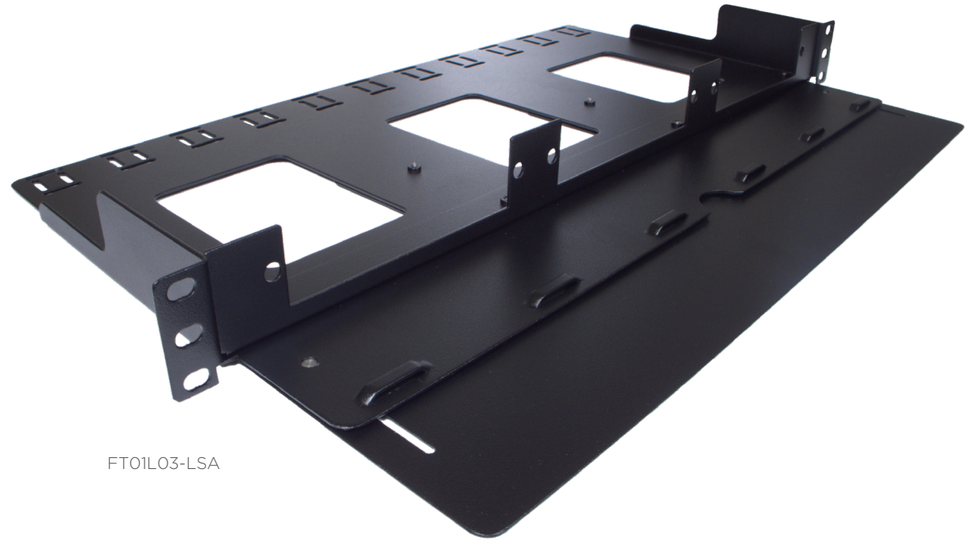
FT02L06

FT03L09

FT04L12

PART NUMBER	PANEL SIZE	MODULE	MODULE STYLE	PORT CAP.	TRAY CAP.	DIMENSIONS (W. X H. X D.)
PRECISIONFLEX® PATCH PANEL						
FT01L03	1RU	LGX	3	72 LC	1 Trays	1.75 x 17.6 x 16.75 in (45 x 447 x 425 mm)
FT02L06	2RU	LGX	6	144 LC	2 Trays	3.5 x 17.6 x 16.75 in (89 x 447 x 425 mm)
FT03L09	3RU	LGX	9	216 LC	3 Trays	5.25 x 17.6 x 16.75 in (133 x 447 x 425 mm)
FT04L12	4RU	LGX	12	288 LC	4 Trays	7 x 17.6 x 16.75 in (178 x 447 x 425 mm)
FIXED PRECISIONFLEX® PATCH PANELS						
FT02L06ST	2RU	LGX	6	144 LC	2 Trays	3.5 x 17.6 x 16.75 in (89 x 447 x 425 mm)
FT04L12ST	4RU	LGX	12	288 LC	4 Trays	7 x 17.6 x 16.75 in (178 x 447 x 425 mm)

Kitting components with every unit comprised of screws, fiber management, splice tray holder, & more.
Fixed versions do not include slide out & angle down.



FT01L03-LSA

1RU LGX Compact Patch Panel

The 1RU LGX Compact Patch Panel is designed for applications with limited space and requiring hardware with an efficient and small-scale footprint. The 1RU LGX Compact Patch Panel houses up to 3 LGX format components such as the PrecisionFlex® FOX Splice Cassettes, MPO Cassettes, or Interconnect Panels/ Bulkheads including built-in cable management with raised lances in the front and lacing slots in the rear.

ORDERING INFORMATION

PART NUMBER	RACK UNIT	MODULE	PANEL CAP.	PORT CAP.	TRAY CAP.	DIMENSIONS
FT01L03-LSA	1RU	LGX	3	72 LC (36 SC)	N/A	1.63 x 19.05 x 10.1 in (41 x 484 x 254 mm)

2RU Flush Mount Panels

Sumitomo Electric Lightwave's 2RU Flush Mount Panels is intended to provide a cost-effective and straightforward solution for network patching and cross connects. It utilizes LGX interconnect panels/bulkheads or cassettes to connect between pre-terminated cables, assemblies, or jumpers at the rear, and patch cords or jumpers at the front. A cable management bar can be added at the back to secure the assemblies that feed from the rear side of the faceplate.

FT02FMFP-6LGX-INTERCONNECT

FEATURES

- Accommodate up to 6 LGX Interconnect Panels/Bulkheads or 6 LGX Cassettes (up to 144 LC ports or 72 SC ports)
- Compact design
- Mounts in 19-in rack
- Compatible with LGX components such as PrecisionFlex® FOX Splice Cassettes, PrecisionFlex® LGX MPO Cassettes, and Interconnect Panels/Bulkheads

SPECIFICATIONS

PROPERTY	SPECIFICATION
Capacity	Up to 6 LGX Interconnect Panels/ Bulkheads or 6 LGX Cassettes: (Up to 144 LC Ports or 72 SC Ports)
Faceplate Dimensions	Height: 19.0 in (483 mm) Width: 3.45 in (88 mm) Depth: 0.5 in (13 mm)
Cable Management Bar Dimensions	Height: 17.62 in (448 mm) Width: 4.62 in (117 mm) Depth: 1.13 in (29 mm)

ORDERING INFORMATION

Instructions: Choose between the following options:

1. **Panel Assembly:** Choose from two configurations (LGX Interconnect Panels/Bulkheads or LGX Cassettes) tailored to meet specific installation and cable management needs.
2. **Customize your own 2RU Flush Mount Panels:** Purchase the faceplate and rear frame according to the required adapters (LGX Interconnect Panels/Bulkheads or LGX Cassettes).

PART NUMBER	DESCRIPTION	ADAPTER	PANEL CAP.
	ASSEMBLED		
FT02FMFP-6LGX-INTERCONNECT	Fiber Patch Panel, Flush Mount, 2RU LGX Interconnect Panels/Bulkheads Panel Assembly; Holds up to 6 LGX Interconnects/Bulkheads; Includes Cable Management Frame.	LGX Interconnect Panels/ Bulkheads	6
FT02FMFP-6LGX-CASSETTES	Fiber Patch Panel, Flush Mount, 2RU LGX Cassettes Panel Assembly; Holds up to 6 LGX Cassettes; Includes Cable Management Frame.	LGX Cassettes	6
	UNASSEMBLED		
FT02FMFP-6LGX-FACEPLATE	Fiber Patch Panel, Flush Mount, 2RU Faceplate Only, for LGX Interconnect Panels/ Bulkheads only; Holds up to 6 LGX Interconnects/Bulkheads; For use with FT02FMFP-6LGX-REARFRAME.	LGX Interconnect Panels/ Bulkheads	6
FT02FMFP-6LGX-REARFRAME	Fiber Patch Panel, Flush Mount, 2RU Rear Frame with Faceplate Attachment Hardware, for LGX Interconnect Panels/Bulkheads only; Rear Frame Only. For use with FT02FMFP-6LGX-FACEPLATE.	LGX Interconnect Panels/ Bulkheads	6
FT02FMFP-6LGX-REARFRAME-CASSETTE	Fiber Patch Panel, Flush Mount, 2RU Rear Frame with Faceplate Attachment Hardware, for use with LGX Cassettes only; Rear Frame Only. For use with FT02FMFP-6LGX-FACEPLATE.	LGX Cassettes	6

FT02SEL12-S

FT02SEL12-L &
FTLCU-SM24-SEL

2RU High Density Panels

Sumitomo Electric Lightwave's (SEL) 2RU High Density Panels and Interconnect Panels/Bulkheads are designed to meet the demands of space-constrained environments while delivering efficient, high-performance connectivity solutions.

Ideal for applications prioritizing space optimization, such as Hyperscale, AI, and other DC networks, these panels feature a compact yet robust design capable of accommodating up to twelve interconnect panels. This versatile system supports LC quad configuration, allowing seamless integration of up to 288 LC ports within its sleek 2RU form factor.

FTLCU-SM24-SEL

FEATURES

- **Available Options:**
  - **Size Variants:** Offered in two sizes to accommodate different space and cable management requirements.
  - **Configurations:** Available as either an empty panel or a panel kit that includes field installable interconnect panels (bulkheads) for immediate deployment.
- **Front and Rear Cable Management:**
  - Simplifies loading and patching of cables with accessible front and rear management.
  - Supports flexible routing of assemblies to various directions within the housing.
- **Shallow-Depth Deployment:**
  - Can be installed in shallow-depth cabinets (< 300 mm) by removing front and rear management.
  - Features a removable front door for accessibility.

ORDERING INFORMATION

Instructions: Choose from two sizes tailored to meet specific installation and cable management needs. Opt for an empty panel for customized deployments, or select our comprehensive panel kit, which includes interconnect panels (bulkheads) for quick field installation, ensuring immediate setup and deployment.

2RU High Density Panels (SEL Footprint)

PART NUMBER	DESCRIPTION	RACK UNIT	PORT CAPACITY	ADAPTER PANEL CAPACITY	COMPATIBLE ITEMS
FT02SEL12-S	Fiber Patch Panel, 2RU, SEL Footprint, Short Rear Cable Management, Holds up to 12 SEL Bulkheads for 288LC Capacity. Compatible with SEL Footprint Interconnects/Bulkheads only.	2RU	288 LC	12	SEL Footprint Interconnects Panels (Bulkheads): FTLCU-SM24-SEL; FTLCA-SM24-SEL; FTLCBLANK-SEL
FT02SEL12-L	Fiber Patch Panel, 2RU, SEL Footprint, Long Rear Cable Management, Holds up to 12 SEL Bulkheads for 288LC Capacity. Compatible with SEL Footprint Interconnects/Bulkheads only.	2RU	288 LC	12	SEL Footprint Interconnects Panels (Bulkheads): FTLCU-SM24-SEL; FTLCA-SM24-SEL; FTLCBLANK-SEL

Interconnect Panels (Bulkheads) (SEL Footprint)

PART NUMBER	CONNECTOR TYPE	FIBER TYPE	POLISH TYPE	ADAPTER TYPE	PORT QUANTITY	PORT COLOR
FTLCU-SM24-SEL	LC	SM	UPC	6 Quad	24	Blue
FTLCA-SM24-SEL	LC	SM	APC	6 Quad	24	Green
FTLCBLANK-SEL	BLANK (No Ports, No Adapters)					

FTK-0288

FTK-0576-2RU

FTK-0864-SHORT-BRIDGE

FT0304FM

FT-PFST-B-1RU-HOLDER

PrecisionFlex® Accessories

CABLE ENTRY HOUSING

PART NUMBER	PANEL SIZE	CABLE RANGE	BRAIDED TUBE	COMPATIBLE ITEMS
FTK-0288	2RU	0.71-0.98 in (18-25 mm)	2	FT02L06; FT02H24; FT02L06ST; FT02H24ST
FTK-0576	3RU; 4RU	0.787-1.02 in (20-26 mm)	4	FT03L09; FT03H36; FT04L12; FT04H48; FT04L12ST; FT04H48ST
FTK-0576-2RU	2 x 2RU	0.875-1.26 in (22-32 mm)	4	FT02L06; FT02H24; FT02L06ST; FT02H24ST
FTK-0864	3 x 2RU	0.875-1.26 in (22-32 mm)	6	FT02L06; FT02H24; FT02L06ST; FT02H24ST

1RU does not require cable entry housing.

CABLE ENTRY HOUSING BRIDGE

PART NUMBER	DESCRIPTION	COMPATIBLE ITEMS
FTK-0864-SHORT-BRIDGE	A field-transition bridge that extends into another cable entry housing with rack units beneath	FTK-0576-2RU; FTK-0864
FTK-0864-LONG-BRIDGE	A field-transition bridge that extends into another cable-entry housing with one rack separation	FTK-0576-2RU; FTK-0864

FLUSH MOUNT KITS

PART NUMBER	PANEL SIZE	COMPATIBLE ITEMS
FT0200FM	2RU	Flex Patch Panels; PrecisionFlex® Empty Patch Panels
FT0304FM	3RU; 4RU	Flex Patch Panels; PrecisionFlex® Empty Patch Panels

Screws are not included in the kit - Flex Patch Panel kitting screws are compatible.

SPLICE TRAY HOLDERS

PART NUMBER	PANEL SIZE	TRAY CAP.	COMPATIBLE ITEMS
FT-PFST-B-1RU-HOLDER	1RU	1 Tray	FT01L03; FT01H08; FT-FPFST-B-R
FT-PFST-B-2RU-HOLDER	2RU	2 Trays	FT02L06; FT02H24; FT02L06ST; FT02H24ST; FT-FPFST-B-R
FT-PFST-B-3-4RU-HOLDER	3RU; 4RU	4 Trays	FT03L09; FT03H36; FT04L12; FT04H48; FT04L12ST; FT04H48ST; FT-FPFST-B-R

FTK-6912-1728-01-KIT

6912F Transition Module

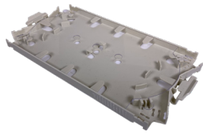
The 6912F Transition Module is a sophisticated solution for connecting Ultra-High-Fiber-Count (UHFC) cable directly to a rack for patch panel terminations. The module can be adjusted for height and is located at the top rear of the rack. It features 3 large cable glands at the top to allow UHFC cable to enter the unit. The cable contains pliable ribbons that can be diverted into 8 smaller cable glands, which are suitable for use with 864 to 1,728 fibers. These fiber groups can then be routed directly through the conduit to SEL's pre-terminated 6RU patch panels or other panel products.

FEATURES

- Internal Grounding Lugs for UHFC Cables
- 3 Large Incoming Ports, 8 Small Outgoing Ports
- Conduit Included for Connecting to 864 6RU Pre-Terminated Panels
- Protection Socking Included for Feeding Ribbon Bundles
- Eliminates Need for Splice Vault at POE

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
FTK-6912-1728-01-KIT	UHFC Cable Transition Module, Rack Mount, 3 Ports in, 8 Ports out, and Accessories



FT-PFST-B-R

Splice Trays

Splice Trays are built to provide easy installation in almost any condition. Designed as the central point to safely route, terminate, and store optical fiber, each splice tray supports all of SEL's compatible patch panels and wall mount enclosures.

ORDERING INFORMATION

PART NUMBER	SINGLE SPLICE CAP.	MASS SPLICE CAP.	DIMENSIONS (W. X H. X D.)	COMPATIBLE ITEMS
FT-PFST-B-R	N/A	144f (12 x 12ct)	0.6 x 10.5 x 6.62 in (15 x 267 x 168 mm)	All PrecisionFlex® Splice Tray Holders, FTWM-04L-SPLICETRAY-BRACKET
FSPST-24S	24f (24 x 1ct)	N/A	0.44 x 4 x 11.75 in (11 x 102 x 299 mm)	FSPWM-12T; FSPWM-12T-LCE
FSPST-16M	N/A	192f (16 x 12ct)	0.44 x 4 x 11.75 in (11 x 102 x 299 mm)	FSPWM-12T; FSPWM-12T-LCE
FT24ST2	24f (24 x 1ct)	144f (12 x 12ct)	0.31 x 5.25 x 8.85 in (8 x 133 x 222 mm)	FTWM-08L; All Flex Patch Panels
ST-01	24f (24 x 1ct)	144f (12 x 12ct)	0.31 x 5.25 x 7 in (8 x 133 x 178 mm)	FTWM-08L; All Flex Patch Panels

FSPST-16M

ST-01

Kitting components with every unit comprised of splice chips, splice protectors, & more.

SPLICE TRAY HOLDERS

FTWM-04L-SPLICETRAY-BRACKET

PART NUMBER	PANEL SIZE	TRAY CAP.	COMPATIBLE ITEMS
FTWM-04L-SPLICETRAY-BRACKET	N/A	4 Trays	FTWM-04L

PrecisionFlex® Pre-Terminated Patch Panels

PrecisionFlex® Pre-Terminated Patch Panels provide a simplified way to meet network interconnection needs while improving quality, saving labor cost, & reducing installation time. These patch panel solutions allow the customer to specify the fiber type, fiber quantity, panel connector type, and panel size. This selection is then factory assembled and tested in a clean factory environment, and supplied ready for deployment in the customer's network.

ORDERING INFORMATION

Instructions: Create a part number by using this character set and codes.

FT - 1 222 X 3 4 X 55

1 – FIBER TYPE		2 – FIBER COUNT		3 - CABLE CONSTRUCT		4 – PANEL CONNECTOR TYPE				5– PANEL SIZE	
1	OM1	024	24 Fibers	I	900µm	5	MPO (Male/Pinned), 12 Fiber, Low Loss	P	MTP (Male/Pinned), 24 Fiber, Std. Loss	1U	1RU
2	OM2	048	48 Fibers	W	250µm	6	MPO (Male/Pinned), 12 Fiber, Std. Loss	3	MTP (Female/ Unpinned), 24 Fiber, Low Loss	2U	2RU
3	OM3	072	72 Fibers	R	250µm Flat Ribbon	7	MPO (Female/Unpinned), 12 Fiber, Low Loss	N	MTP (Female), 24 Fiber, Std. Loss	3U	3RU
4	OM4	096	96 Fibers	F	250µm Freeform Ribbon™	8	MPO (Female/Unpinned), 12 Fiber, Std. Loss	L	LC, MM/SM, DX	4U	4RU
5	OM5	144	144 Fibers	Y	200µm Freeform Ribbon™	9	MPO (Male/Pinned), 24 Fiber, Low Loss	Q	LC, MM/SM, SX	6U	6RU (3 x 2RU's)
9	SM (G.657. A1)	288	288 Fibers	X	Not Applicable	Z	MPO (Male/Pinned), 24 Fiber, Std. Loss	A	LC/APC, DX		
		432	432 Fibers			0	MPO (Female/Unpinned), 24 Fiber, Low Loss	E	LC/APC, SX		
		576	576 Fibers (MPO, LC)			W	MPO (Female/Unpinned), 24 Fiber, Std. Loss	V	SC, MM/SM, SX		
		864	864 Fibers (MPO, LC)			1	MTP (Male/Pinned), 12 Fiber, Low Loss	H	SC/APC, SX		
						M	MTP (Male/Pinned), 12 Fiber, Std. Loss	F	FC, MM/SM		
						2	MTP (Female/Unpinned), 12 Fiber, Low Loss	C	FC/APC		
						Y	MTP (Female/Unpinned), 12 Fiber, Std. Loss	T	ST, MM/SM		
						4	MTP (Male/Pinned), 24 Fiber, Low Loss	X	Bare End (Open/Blunt)		

EXAMPLE **FT - 9 288 X R L X 4U** | Part No. is: FT-9288XRLX4U

PrecisionFlex® Pre-Stubbed Patch Panels

PrecisionFlex® Pre-Stubbed Patch Panels provide an additional level of customization above the pre-terminated patch panels by allowing the customer to have an entire cable stub factory installed, providing for additional customer efficiencies, improving quality, and reducing the amount of splicing in the link. Pre-Stubbed Patch Panel solutions allow the customer to specify the cable type, fiber type, fiber quantity, panel connector type, and panel size. This selection is then factory assembled, installed, and tested in a clean factory environment, and supplied in a coiled cable/panel assembly ready for deployment in the customer's network.

ORDERING INFORMATION

Instructions: Create a part number by using this character set and codes.

FT - 1 222 3 4 5 6 77 8888

1 – FIBER TYPE		2 – FIBER COUNT		3 - CABLE TYPE		4 - CABLE CONSTRUCT	
1	OM1 Fiber (62.5µm)	024	24 Fibers (SC, ST & LC)	1	Interlocking Armored I/O Riser	I	900µm
2	OM2 Fiber (50µm)	048	48 Fibers (SC, ST & LC)	2	Interlocking Armored I/O Plenum	W	250µm
3	OM3 Fiber (50µm)	072	72 Fibers (SC, ST & LC)	G	Indoor/Outdoor Riser	R	250µm Flat Ribbon
4	OM4 Fiber (50µm)	096	96 Fibers (SC, ST & LC)	H	Interlocking Armored Indoor Plenum	F	250µm Freeform Ribbon™
5	OM5 Fiber (50µm)	144	144 Fibers (SC, ST & LC)	L	Interlocking Armored Indoor Riser	Y	200µm Freeform Ribbon™
9	SM Fiber (G.657.A1)	288	288 Fibers (SC, ST & LC)	P	Indoor Riser	X	Not Applicable
		432	432 Fibers (SC, ST & LC)	U	Indoor Plenum		
		576	576 Fibers (LC Only)	X	Jacket Not Applicable		
		864	864 Fibers (LC Only)	Y	Indoor/Outdoor Plenum		
				Z	Low Smoke Zero Halogen		

5 & 6 - PANEL CONNECTOR A & B				7 – PANEL SIZE		8 – LENGTH*	
5	MPO(Male/Pinned), 12 Fiber, Low Loss	P	MTP(Male/Pinned), 24 Fiber, Std. Loss	1U	1RU	xxxF	Feet
6	MPO(Male/Pinned), 12 Fiber, Std Loss	3	MTP(Female/Unpinned), 24 Fiber, Low Loss	2U	2RU	xxxM	Meters
7	MPO(Female/Unpinned), 12 Fiber, Low Loss	N	MTP(Female/Unpinned), 24 Fiber, Std. Loss	3U	3RU		
8	MPO(Female/Unpinned), 12 Fiber, Std Loss	L	LC, MM/SM, DX	4U	4RU		
9	MPO(Male/Pinned), 24 Fiber, Low Loss	Q	LC, MM/SM, SX	6U	6RU (3 x 2RU's)		
Z	MPO(Male/Pinned), 24 Fiber, Std Loss	A	LC/APC, DX				
0	MPO(Female/Unpinned), 24 Fiber, Low Loss	E	LC/APC, SX				
W	MPO(Female/Unpinned), 24 Fiber, Std Loss	V	SC, MM/SM, SX				
1	MTP(Male/Pinned), 12 Fiber, Low Loss	H	SC/APC, SX				
M	MTP(Male/Pinned), 12 Fiber, Std Loss	F	FC, MM/SM				
2	MTP(Female/Unpinned), 12 Fiber, Low Loss	C	FC/APC				
Y	MTP(Female/Unpinned), 12 Fiber, Std Loss	T	ST, MM/SM				
4	MTP(Male/Pinned), 24 Fiber, Low Loss	X	Bare End (Open/Blunt)				

**Length maximum are dependent on cable version. Contact SEL for additional information.*

EXAMPLE **FT - 9 288 P R L X 2U 300F** | Part No. is: FT-9288PRLX2U300F

Pre-Stubbed Patch Panel, SM, 288f, Indoor Riser, 250 µm Flat Ribbon, Duplex LC to Bare End (Open/Blunt), 2RU, 300 Feet

PrecisionFlex® High Density MPO-LC Cassettes

PrecisionFlex® High Density MPO-LC Cassettes enables high-capacity fiber connection between, for example, servers and switches. The LC adaptors accommodates 144C / 1RU high-density connections while featuring a tilt-up mechanism that enhances the workability of connectors.

FEATURES

- The LC Adapters Feature a Tilt-Up Mechanism that Improves the Attachability/Detachability of the Connectors
- 19" Wide Conform to EIA-310 Racks
- 144-Fiber Connection per 1RU
- 12-Fiber (Quad LC x 3 Rows) Modular Cassette x 12pcs Horizontal Arrangements

PRECISIONFLEX® 19 INCH RACK MOUNTED CASSETTE CHASSIS

PART NUMBER	SLIDE/FIX	CAPACITY OF CASSETTES	CAPACITY OF LC CONNECTORS	SIZE	EXTERNAL DIMENSIONS (W. X H. X D.)	WEIGHT (LBS/KG)
PFCST-1U-S-RPS-BK	Slide	12	144	1U	19.4 x 1.7 x 13.6 in (494 x 44 x 345 mm)	4.8 lb (2.2 kg)
PFCST-1U-F12-BK	Fix	12	144	1U	19.1 x 1.7 x 6.6 in (485 x 43 x 168 mm)	2.6 lb (1.2 kg)

PRECISIONFLEX® MPO CASSETTE

PART NUMBER	FIBER COUNT	FIBER TYPE	FRONT CONNECTOR	REAR CONNECTOR	INSERTION LOSS	RETURN LOSS	EXTERNAL DIMENSIONS (W. X H. X D.)
PFCST-SM-1X12MPOM-LC-S	12	SM (Compatible with OS1/OS2)	LC	12MPO	≤0.65 dB	≥50 dB	5.9 x 1.7 x 1.3 in (151 x 43 x 34 mm)
PFCST-MM-1X12MPOM-LC-S	12	MM (Compatible with OM3/OM4)	LC	12MPO	≤0.50 dB	≥25 dB	5.9 x 1.7 x 1.3 in (151 x 43 x 34 mm)

** λ=1310nm, against master plug*

FTLC-FBK24TBFOS2

PrecisionFlex® FOX Splice Cassettes

PrecisionFlex® FOX Splice Cassettes accept all types of cordage to eliminate splice trays and terminate cables into cassettes quickly, safely, and securely. The shuttered adapters illuminate when a VFL is used.

LC CONNECTOR CHARACTERISTICS

PROPERTY	SMF-UPC	SMF-APC	MMF OM1	MMF OM4	MMF OM5
Polish Type	UPC	APC	UPC	UPC	UPC
Housing Color	Blue	Green	Beige	Aqua	Lime
Insertion Loss (Typical)	≤ 0.25 dB	≤ 0.30 dB	≤ 0.30 dB	≤ 0.30 dB	≤ 0.30 dB
Return Loss	≥ 50 dB	≥ 60 dB	≥ 25 dB	≥ 25 dB	≥ 25 dB
Operating Temperature	-4 to +158°F (-20 to +70°C)				

MPO CONNECTOR CHARACTERISTICS

PROPERTY	SMF-UPC	SMF-APC	MMF OM1	MMF OM4	MMF OM5
Insertion Loss (Typical)	≤ 0.75 dB	≤ 0.60 dB	≤ 0.60 dB	≤ 0.60 dB	UPC
Return Loss	≥ 55 dB	≥ 55 dB	≥ 20 dB	≥ 20 dB	≥ 20 dB
Operating Temperature	-4 to +158°F (-20 to +70°C)				

ORDERING INFORMATION

Instructions: Create a part number by using this character set and codes.

FT 11 - F 22 33 444 555 6666

1 – FRONT CONNECTOR TYPE		2 - HOUSING COLOR		3 – FIBER COUNT		4 – FIBER CONSTRUCTION		5 – FIBER TYPE		6 – SPECIAL	
LC	LC Connector	BK	Black	06	6-Fiber	RBN	Ribbon	OM1	OM1	(leave blank)	Not Applicable
SC	SC Connector			12	12-Fiber	TBF	Tight Buffer	OM4	OM4 (Compatible with OM2/OM3)	APFC	APC (Angle-Polished Connector)
ST	ST Connector			24	24-Fiber (LC Only)			OM5	OM5		
								OS2	OS2		

Kitting components with every unit comprised of fiber protection sleeves, splice sleeve holders, cable grommet, and more. (White housing color option available upon request.)

ACCESSORIES

PART NUMBER	DESCRIPTION
FOX-DINRAIL-ADPT-KIT	10 DIN Rail adapters; 20 Screws for FOX Splice Cassettes
FTRB-LGX-CCH	LGX Cassette Retro Fit Bracket to CCH. Adapts an LGX Footprint Cassette or Interconnect Plate to a Corning CCH Type Panel
FOX-CABLE GROMMET	Cable Grommet with 2.75 in (70 mm) Diameter Hole

FTLC-MP24COS1-L2

PrecisionFlex® LGX MPO Cassettes

PrecisionFlex® LGX MPO Cassettes are MPO cassettes for use with Sumitomo Electric Lightwave's PrecisionFlex® LGX Patch Panels, or any LGX compatible panel. Available with up to 3 MPO/MTP input ports and up to 24 LC Duplex outputs, the powder-coated, steel-bodied cassettes provide excellent protection for this interconnect.

INSERTION LOSS

CONNECTOR TYPE	FIBER TYPE	POLISH TYPE	LOSS
LC	SM	UPC	0.25 dB
	SM	APC	0.30 dB
	MM	UPC	0.30 dB
MPO	SM	Low Loss	0.35 dB
	SM	Standard	0.75 dB
	MM	Low Loss	0.35 dB
	MM	Standard	0.60 dB

RETURN LOSS

CONNECTOR TYPE	FIBER TYPE	POLISH TYPE	LOSS
LC	SM	UPC	-50 dB
	SM	APC	-60 dB
	MM	UPC	-25 dB
MPO	SM	Low Loss	-60 dB
	SM	Standard	-55 dB
	MM	Standard	-20 dB

ORDERING INFORMATION

Instructions: Create a part number by using this character set and codes.

FT 11 - MP 22 3 C 444 - L 5 6 7 - 8

1 – FRONT CONNECTOR TYPE		2 – FRONT CONNECTOR COUNT		3 - FRONT CONNECTOR POLISH TYPE		4 – FIBER TYPE	
LC	LC Connector (Max. 24 Ports)	08	8 Connector Ports	U	UPC	OM1	OM1
SC	SC Connector (Max. 12 Ports)	12	12 Connector Ports	A	APC	OM4	OM4 (Compatible with OM2/3)
FC	FC Connector (Max. 12 Ports)	24	24 Connector Ports			OS1	OS1
ST	ST Connector (Max. 12 Ports)					OS2	OS2

5 – REAR MPO CONNECTOR COUNT		6 – MPO GENDER		7 – MPO CONFIGURATION METHOD		8 – OTHER	
1	1 MPO	M	Male/Pinned	A	Method A	(leave blank)	Not Applicable
2	2 MPO's	F	Female/Unpinned	B	Method B	UNIV	Universal Mount
3	3 MPO's			C	Method C	GRN	Green Adapter
						RED	Red Adapter
						YEL	Yellow Adapter

EXAMPLE FT LC - MP 24 A C OS1 - L 2 M A | Part No. is: FTLC-MP24ACOS1-L2MA

Cassette, MPO-LGX, 2x12F MPO (Male/Pinned) - Method A LC/APC

Interconnect Panels/Bulkheads

SEL offers a wide range of Interconnect Panels (aka Bulkheads) for a variety of connection needs. Interconnect Panels are used to terminate the fiber ends in wall mount enclosures or rack mount patch panels. Each Interconnect Panels is LGX footprint compatible.

ORDERING INFORMATION

Instructions: Create a part number by using this character set and codes or choose from our other options.

FT 11 P 22 3

1 – FACE CONNECTOR TYPE		2 – ADAPTER TYPE/PORT QUANTITY		3 – FIBER TYPE	
LC	LC Connector	6Q	6 Quad/24 Ports (LC Only)	A	SM APC, Green
SC	SC Connector	6D	6 Duplex/12 Ports	B	SM, Blue
FC	FC Connector	3D	3 Duplex/6 Ports	6	OM5, Lime Green
ST	ST Connector	6S	6 Simplex/6 Ports (SC Only)	7	OM3/4, Aqua
				8	OM2, Black
				9	OM1/2, Beige

EXAMPLE FT LC P 6D A | Part No. is: FTLCP6DA

OTHER INTERCONNECT PANELS

PART NUMBER	CONNECTOR TYPE	FIBER TYPE	POLISH TYPE	ADAPTER TYPE	PORT QTY.	PORT COLOR
OTHER INTERCONNECT PANELS/BULKHEADS						
FTLCP12D7	LC	OM3/OM4	UPC	12 Duplex	24	Aqua
FTFC06S5	FC	N/A	N/A	6 Simplex	6	N/A
FTMTP6D8	MTRJ	SM/MM	UPC	6 Duplex	12	Black
FTMPP3SX	MPO/MTP	SM/MM	UPC	3 MPO	3 MPO	Black
FTMPP6SX	MPO/MTP	SM/MM	UPC	6 MPO	6 MPO	Black
FTMPP12SX	MPO/MTP	SM/MM	UPC	12 MPO	12	Black
FTST06S5	ST	N/A	N/A	6 Simplex	6	N/A
FTST12S5	ST	N/A	N/A	12 Simplex	12	N/A

PART NUMBER	CONNECTOR TYPE	FIBER TYPE	POLISH TYPE	ADAPTER TYPE	PORT QTY.	PORT COLOR
OTHER COLORED INTERCONNECT PANELS/BULKHEADS						
FTLC06D6	LC	OM3/OM4	UPC	6 Duplex	12	Red
FTLC06Q5LC	LC	OM3/OM4	UPC	6 Quad	24	Orange
FTLCP08D-GREEN	LC	SM	UPC	8 Duplex	16	Green
FTLCP08D-YORP	LC	SM/MM	UPC	8 Duplex	16	Yellow, Orange, Red, Purple (2 Each)
FTLCP10D-YORPG	LC	SM/MM	UPC	10 Duplex	20	Yellow, Orange, Red, Purple, Green (2 Each)
FTLCP12D-YORP	LC	SM/MM	UPC	12 Duplex	24	Yellow, Orange, Red, Purple (3 Each)
FTLCP6D7-YL	LC	OM3/OM4	UPC	6 Duplex	12	Yellow
FTLCP6DV	LC	SM/MM	UPC	6 Duplex	12	Violet
FTLCP6Q7-OR	LC	OM3/OM4	UPC	6 Quad	24	Orange
FTLCP6Q7-RD	LC	OM3/OM4	UPC	6 Quad	24	Red
FTLCP6Q7-YL	LC	OM3/OM4	UPC	6 Quad	24	Yellow
FTSC06D1-GREEN	SC	SM/MM	UPC	6 Duplex	4	Green (4 Each), Empty
FTSC06D1-ORYEL	SC	SM/MM	UPC	6 Duplex	12	Yellow, Orange (6 Each)
FTSC06D1-RDPUR	SC	SM/MM	UPC	6 Duplex	12	Red, Purple (6 Each)
FTSC06D4-YELLOW	SC	OM3/OM4	UPC	6 Duplex	12	Yellow
EMPTY						
FTLCP06D-EMPTY	LC/SC	SM/MM	UPC	6 Duplex	0	Empty

ACCESSORIES

PART NUMBER	DESCRIPTION	COLOR
FTU-BLNK	Flat Plate for Covering the Empty LGX Style Cassettes or Interconnect Slots in a Panel.	Black
FTRB-LGX-CCH	LGX Cassette Retro Fit Bracket to CCH. Adapts an LGX Footprint Cassette or Interconnect Plate to a Corning CCH Type Panel.	Black

Additional configurations available upon request.

Cable Assemblies

SEL's Cable Assemblies are designed for use in any application requiring optical connections. Available in simplex, duplex, interconnect, and trunk configurations, these assemblies can contain up to 864 optical fibers.

ORDERING INFORMATION

Instructions: Create a part number by using this character set and codes.

C Z - 1 2 2 2 3 4 5 6 7 8 9 9 9 U - X Y P

(21 characters minimum. More if exact length or other custom configuration.)

Z – POLARITY/FIBER ORIENTATION	
Single Fiber Cable	
A	Single Fiber Cable
Multi-Fiber Cable with Single Fiber Connectors (LC, SC, ST, etc.)	
A	A Connector to A Connector (Crossover Type)
B	A Connector to B Connector (Straight Through Type)
Multi-Fiber Cable with Multi-Fiber Connectors (MPO, MTP, etc.)	
A	MPO/MTP Type A
B	MPO/MTP Type B
C	MPO/MTP Type C
D	MPO/MTP SM Type B (with window up key down)
G	40G/400G Type B (Outer 8F out of 12F)
H	40G/400G Type A (Outer 8F out of 12F)
1	MPO24/MTP24 Config 1
2	MPO24/MTP24 Config 2
3	MPO24/MTP24 Config 3
4	MPO24/MTP24 Config 4

1 – FIBER TYPE	
1	OM1 Fiber (62.5 µm)
2	OM2 Fiber (50 µm)
3	OM3 Fiber (50 µm)
4	OM4 Fiber (50 µm)
5	OM5 Fiber (50 µm)
8	SM (G.657.A2)
9	SM (G.657.A1)

2 - FIBER COUNT (3-DIGITS)			
001	1f	048	48f
002	2f	050	50f
004	4f	060	60f
006	6f	072	72f
008	8f	096	96f
012	12f	144	144f
016	16f	288	288f
024	24f	432	432f
036	36f	864	864f

Additional Fiber Count Assemblies Available Upon Request

3 – CABLE DESIGN	
P	Pliable Ribbon (250 µm)
Q	Pliable Ribbon (200 µm)
A	Flat Ribbon (250 µm)
B	Flat Ribbon (200 µm)
X	Loose Buffer (200 µm)
Y	Loose Buffer (250 µm)
Z	Tight Buffer (900 µm)

4 – ARMOR TYPE	
N	No Armor
L	Interlocking Armor
M	Micro Armor

5 – CABLE JACKET/FLAME RETARDANCY RATING	
A	OSP
B	Riser
C	Indoor/Outdoor Riser
D	LSZH (Low Smoke Zero Halogen)
E	Riser LSZH
F	Indoor/Outdoor Riser LSZH
G	Plenum
H	Indoor/Outdoor Plenum
2	B1ca
3	B2ca
4	Cca
5	Dca

6 – SUBUNITS (FURCATION CORD)	
C	1.6 mm
T	2.0 mm
X	3.0 mm
9	900 µm
V	SEL Option
D	Not Applicable

7 & 8 - CONNECTOR END A & B (Two Choices Needed)					
5	MPO (Male/Pinned), 12 Fiber, Low Loss	2	MTP (Female/Unpinned), 12 Fiber, Low Loss	R	LC-UNIBOOT (Reversible / No Pull Tab)
6	MPO (Male/Pinned), 12 Fiber, Std Loss	Y	MTP (Female/Unpinned), 12 Fiber, Std Loss	G	LC-UNIBOOT (Reversible w/Pull Tab)
7	MPO (Female/Unpinned), 12 Fiber, Low Loss	4	MTP (Male/Pinned), 24 Fiber, Low Loss	S	SC, MM/SM, DX
8	MPO (Female/Unpinned), 12 Fiber, Std Loss	P	MTP (Male/Pinned), 24 Fiber, Std Loss	V	SC, MM/SM, SX
9	MPO (Male/Pinned), 24 Fiber, Low Loss	3	MTP (Female/Unpinned), 24 Fiber, Low Loss	B	SC/APC, DX
Z	MPO (Male/Pinned), 24 Fiber, Std Loss	N	MTP (Female/Unpinned), 24 Fiber, Std Loss	H	SC/APC, SX
0	MPO (Female/Unpinned), 24 Fiber, Low Loss	L	LC, MM/SM, DX	F	FC, MM/SM
W	MPO (Female/Unpinned), 24 Fiber, Std Loss	Q	LC, MM/SM, SX	C	FC/APC
1	MTP (Male/Pinned), 12 Fiber, Low Loss	A	LC/APC, DX	T	ST, MM/SM
M	MTP (Male/Pinned), 12 Fiber, Std Loss	E	LC/APC, SX	X	BARE END (Open/Blunt)

9 - LENGTH (3-DIGITS)	
001	001-999+

Longer lengths may be available. Contact your Sumitomo Electric Lightwave salesperson.

U – LENGTH UNIT	
F	Feet
M	Meters
I	Inch

Exact Length Options are available. See E0.5 column in configurator.

X & Y - END A & B BREAKOUT LENGTH (Two Choices Needed)			
1	18 in (457 mm) - No Stagger	H	18 in (457 mm) - Fiber Pair Stagger
2	24 in (609 mm) - No Stagger	J	24 in (609 mm) - Fiber Pair Stagger
3	36 in (914 mm) - No Stagger	K	36 in (914 mm) - Fiber Pair Stagger
4	48 in (1,219 mm) - No Stagger	L	48 in (1,219 mm) - Fiber Pair Stagger
5	60 in (1,524 mm) - No Stagger	M	60 in (1,524 mm) - Fiber Pair Stagger
6	72 in (1,828 mm) - No Stagger	N	72 in (1,828 mm) - Fiber Pair Stagger
7	16 in (406 mm) - No Stagger	Q	18 in (457 mm) - Subunit and Fiber Pair Stagger
8	12 in (305 mm) - No Stagger	R	24 in (609 mm) - Subunit and Fiber Pair Stagger
A	18 in (457 mm) - Subunit Stagger	S	36 in (914 mm) -Subunit and Fiber Pair Stagger
B	24 in (609 mm) - Subunit Stagger	T	48 in (1,219 mm) - Subunit and Fiber Pair Stagger
C	36 in (914 mm) - Subunit Stagger	U	60 in (1,524 mm) - Subunit and Fiber Pair Stagger
D	48 in (1,219 mm) - Subunit Stagger	V	72 in (1,828 mm) - Subunit and Fiber Pair Stagger
E	60 in (1,524 mm) - Subunit Stagger	X	No Breakout
F	72 in (1,828 mm) - Subunit Stagger		

P - PULLING EYE	
A	Pulling Eye on A End Only
B	Pulling Eye on B End Only
D	Pulling Eyes on Both Ends
X	No Pulling Eye

E0.5 FOR EXACT LENGTH ONLY	
E0.5	Exact Length, +/- 0.5 inches

Other exact length tolerance needs? Contact your Sumitomo Electric Lightwave salesperson

EXAMPLE C A - 9 144 P N G D L L 250 F - 3 3 A | Part No. is: CA-9144PNGDLL250F-33A

Cable Assembly, Method A, SM, 144F, Pliable Ribbon, No Armor, Plenum, 900µm Furcation, LC/D to LC/D, 250 Feet long, 36 inch Breakout Each End, Pulling Eye

Visit our new **Part Number Generator.**
Visit our website at: **SumitomoElectricLightwave.com**

Cable Assembly Polarity

In its simplest form, fiber polarity is the direction data/a light pulse takes from traveling through a cable, point A to point B. For polarity to be maintained and, thereby the connection between the devices achieved, a fiber optic link's transmit signal (Tx) at the end of the cable must match the corresponding receiver (Rx) at the other end.

It is important to note that the TIA-568-E standard outlines two types of fiber links: serial duplex signal connections and parallel signal (MPO/MPT) connections.

FULL-DUPLEX ASSEMBLY POLARITY MAINTENANCE

Two types of duplex fiber patch cords are defined in the TIA standards: **A-to-A type** (cross-over) shown in Example D and A-to-B (straight-through) shown in Example E.

Example D

Note: *A-to-A patch cords are not commonly deployed and should be used only, when necessary, as part of a polarity method*

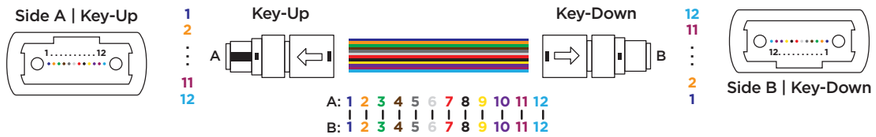
To help network operators and installers maintain proper channel-wide polarity, TIA standards recommend the A-B polarity scenario for duplex patch cords. This straight-through connection maintains the A-B polarity in a duplex channel (Example E).

MPO/MPT ASSEMBLY POLARITY MAINTENANCE

The TIA has defined three different polarity methods to maintain fiber polarity when using multi-fiber MPO/MTP array patch cords. Each method uses different types of MPO cables: Type A, B, and C are used for the three different connectivity Methods, A, B, and C, respectively.

METHOD A

Method A uses **Type A** (straight-through) MPO cables with a key-up connector on one end and a key-down connector on the other end so that the fiber located in Position 1 (Tx) arrives at Position 1 (Tx) at the other end.

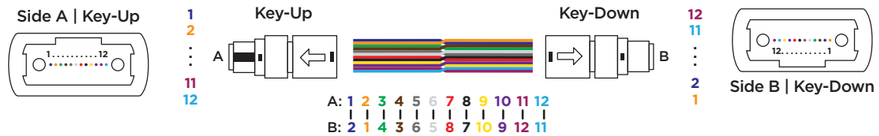


METHOD B

Method B uses key-up connectors on both ends to achieve the transceiver-receiver flip so that the fiber located in Position 1 (Tx) arrives at Position 12 (Rx) at the opposite end, the fiber located in Position 2 (Rx) arrives at Position 11 (Tx) at the opposite end, and so on.

METHOD C

Like Method A, Method C uses a key-up connector on one end and a key-down connector on the other end. However, the flip happens within the cable itself, where each pair of fibers is flipped so that the fiber in Position 1 (Tx) arrives at Position 2 (Rx) at the opposite end, and the fiber in Position 2 (Rx) arrives at Position 1 (Tx).



SEL CABLE ASSEMBLIES

Sumitomo Electric Lightwave (SEL), an industry leader in fiber, cabling techniques, and connectorization, has one of the widest selections of cable assemblies: patch-cords, jumpers, trunks, and interconnects of any industry-leading fiber optic solutions provider.

Flexible Reel Jumper

Sumitomo Electric Lightwave's unique Flexible Reel Jumper streamlines the installation process, minimizing both stress and time. Jumpers are neatly packed in individual rotatable plastic trays. With our specialized handling tool, you can effortlessly and safely install up to 12 jumpers at once.

LC/DX OS2 FIBER UNIBOOT JUMPER (OFNP) SPECIFICATIONS

PROPERTY	SPECIFICATION
Total Fiber Count	2f
End A Connector Type	UNIBOOT LC/Polishing: UPC
End B Connector Type	UNIBOOT LC/Polishing: UPC
Fiber Type	ITU-T G.657.A1, G.652.D Compliant (SM Type : OS2 (Pure Access Pure Band))
Fiber Optic Cord Fire Rating	OFNP (Optical Fiber Nonconductive Plenum)
Cable Color	Yellow
Fiber Diameter	250 µm
Polarity Type	EIA/TIA-568.3 A to B
Maximum Length	40 meters

FEATURES

- Reduce Stress and Time in Installation
- Approximately 40% Less Time in Installation (In-House)
- Install Up to 12 Jumpers Simultaneously with a Single Tool
- Efficient and Reusable Handling Tool

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
ULC-FR-TOOL-01	Flexible Reel Tool

ULC-FR-TOOL-01

LC/DX OS2 FIBER UNIBOOT JUMPER (OFNP)

Instructions: Create a part number by using this character set and codes.

TA - 2 - ULCU ULCU - SM P Y 25 B - XXX

XXX - LENGTH (3-DIGITS)	
001	001 - 040 (Max. 40 meters)

BOR-BR012LC3D-V

12-Fiber Ribbon Pigtail Fanout Kits

12-Fiber Ribbon Pigtail Fanout Kits make it easier to transition ribbon fibers to a connectivity port. Available in a variety of connector and fiber types, each kit allows for an easy fusion with any type of fiber using an industry fusion splicer. Protected by a 900µm furcation, it allows for secure handling of connectorized fiber and reduces time from splicing.

SPECIFICATIONS

PROPERTY	SPECIFICATIONS			
Total Length	9.8 ft (3 m)			
900 µm to Connector Length	2.3 ft (0.7 m)			
Ribbon Fiber Length	7.5 ft (2.3 m)			
Typical Insertion Loss	SC	SM	UPC	0.30 dB
	SC	SM	APC	0.50 db
	LC	MM	UPC	0.50 dB

ORDERING INFORMATION

Instructions: Create a part number by using this character set and codes.

BOR - BR012 11 2 3 3 - 4

1 – CONNECTOR TYPE		2 – POLISH TYPE		3 – FIBER TYPE		4 – MANUFACTURING LOCATION	
LC	LC Connector	**(leave blank)**	UPC	**6**	OM1	**V**	Varies
SC	SC Connector	**A**	APC	**8**	OM4 (Compatible with OM2/OM3)	**(leave blank)**	USA
				9	OM5		
				D	OS2		

EXAMPLE **BOR - BR012 LC A 3 D - V** | Part No. is: BOR-BR012LCA3D-V

Ribbon Pigtail Fanout, 12F Ribbon, SM, LC-APC, 25 inch Fan-out, 3 meters

SWK™ Series

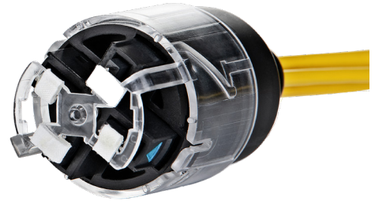
Today's connected data center network infrastructure faces unprecedented demands from cloud computing and hyperscale growth. Whether you are building out hyperscale, enterprise, or edge, our revolutionary SWK™ cabling infrastructure products will provide you with the solutions and resources your workforce needs to get the job done.

FEATURES

- High-Fiber Count Cable Connector System
- High-Density and Low-Loss Connectivity
- Ease of Installation and Operability
- Low-Cost Deployment and Operations
- Flexibility and Agility to Scale Up or Down as Your Needs Change

SWK™ Connector

The revolutionary SWK™ Connector by Swick™ Designs is a game changer. This groundbreaking fiber optics connector delivers the highest strand capacity in the smallest form factor at the lowest loss attenuation. Some call it the perfect solution: the SWK™ Connector is self-cleaning and self-protecting, with features that bring levels of efficiency and flexibility never before seen in the industry.



SPECIFICATIONS

PROPERTY	SPECIFICATION
Number of Optical Fibers	96f Strands; 48f, 96f, and 144f Strand Configurations Also Available
Types of Optical Fibers	Single-Mode (OS2, ITU-T G.654.D, G.657.A1 Compliant) or Multimode*
Cable Sheath	OFNP Rated, OD: 9.0 mm (±10%), and LSZH (Available Upon Request)
Cord Sheath	OFNP Rated, OD: 3.0 mm, and LSZH (Available Upon Request)
Cable Bend Radius	Installation: 7.09 in (180 mm) Operation: 3.54 in (90 mm)
Cord Bend Radius	24c Fiber Round Cord: 0.98 in (25 mm)
Cable Weight	403.2 lb/kft (60 kg/km)
Connector Type SWK™	96f and 144f Strand
Optical Fiber Type	Single-Mode
Insertion Loss (1310 nm)	< 0.35 dB
Return Loss (1310 nm)	> 55 dB
Maximum Attenuation	850 / 1300 nm
Temperature Range	Connector: -40 to +158°F (-40 to +70°C) Cable: -4 to +158°F (-20 to +70°C)

Instructions: Create a part number by using this character set and codes.

SW - 111 22 - 33 - 444 - 5555 6666 - 7777

1 - FIBER QUANTITY	
048	48 Fiber Count
096	96 Fiber Count
144	144 Fiber Count

2 - CABLE TYPE	
JT	Jumper Trunk
FO	Fan Out
PT	Pig Tail
ST	Super Trunk

3 - FIBER TYPE	
SM	Single-Mode

4 - JACKET TYPE	
INP	Indoor Plenum

5 - F/O CONN. TYPE	
SWLF	SWK Female

6 - F/O CONN. TYPE	
SWLF	SWK Female
ULCU	Uniboot LC UPC
MPF8	MPO 8 Female
MPF12	MPO 12 Female
0	Ribbon Fiber

7 - LENGTH	
001M	1 Meter
003M	3 Meters

SWK™ Fiber Adapter Panels

Designed from the ground up, our innovative line of Fiber Adapter Panels (FAP's) allow for the highest density of connectivity in the smallest form factor, can be fitted with a variety of different connectivity types and feature two breakthrough Swick™ Designs technologies.

SPECIFICATIONS

PROPERTY	DESCRIPTION
Dimensions (W x H x D)	19.1 x 1.8 x 2.5 in (485 x 44 x 62 mm)
Rack Units	1
Material	Aluminum
Latching System	Rapid Latch™
Fiber Capacity	Up to 1,728f

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
SWK-FAP1-12UBM	SWK Universal Fiber Adapter Module (FAP), 1RU, Rapid Latch, 12 x Universal Bulkhead Module (UBM)
SWK-UBM-SWKL	SWK Universal Bulkhead Module (UBM), SWK-L Connector
SWK-UBM-4LC	SWK Universal Bulkhead Module (UBM), 4 x LC
SWK-UBM-4MPO	SWK Universal Bulkhead Module (UBM), 4 x MPO
SWK-UBM-1RJ45	SWK Universal Bulkhead Module (UBM), 1 x RJ45 Cat6

SWK™ Fiber Patch Panels

Designed from the ground up, our innovative line of patch panels allows for the highest density of connectivity in the smallest form factor, can be fitted with a variety of different connectivity types, and features industry-leading enhancements Rapid Latch™ and Flex Adapter™ .

SPECIFICATIONS

PROPERTY	DESCRIPTION
Connector Type (Front Panel)	LC (UPC) MPO (APC)
Wavelength	1310/1550 nm
Optical Fiber Type	Single-Mode Fiber
Insertion Loss	Max. 0.25 dB (LC) Max. 0.35 dB (SWK, MPO)
Return Loss	Min. 55 dB per each connection point

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	CABLE MEDIA TYPE	CABLE GRADE
	SWK PATCH PANELS - PLUG-IN-PLAY		
SW-PP1-96SM-48LCUD-SWLM	SWK Patch Panel, 1RU, 96f, Rapid Latch, Flex Adapter, 48 x LC (front) - SWK 96f (rear)	SMF	N/A
SW-PP1-96SM-12MPM8-SWLM	SWK Patch Panel, 1RU, 96f, Rapid Latch, Flex Adapter, 12 x MPO8 Male (front) - SWK 96f (rear)	SMF	N/A
SW-PP1-144SM-18MPM8-SWLM	SWK Patch Panel, 1RU, 144f, Rapid Latch, Flex Adapter, 18 x MPO8 Male (front) - SWK 144f (rear)	SMF	N/A
SW-PP1-288SM-36MPM8-2SWLM	SWK Patch Panel, 1RU, 288f, Rapid Latch, Flex Adapter, 36 x MPO8 Male (front) - 2 x SWK 144f (rear)	SMF	N/A
SW-PP1-96SM-8MPM12-SWLM	SWK Patch Panel, 1RU, 96f, Rapid Latch, Flex Adapter, 8 x MPO12 Male (front) - SWK 96f (rear)	SMF	N/A
SW-PP1-144SM-12MPM12-SWLM	SWK Patch Panel, 1RU, 144f, Rapid Latch, Flex Adapter, 12 x MPO12 Male (front) - SWK 144f (rear)	SMF	N/A
SW-PP1-288SM-24MPM12-2SWLM	SWK Patch Panel, 1RU, 288f, Rapid Latch, Flex Adapter, 24 x MPO12 Male (front) - 2 x SWK 144f (rear)	SMF	N/A
SW-PP1F-96SM-48LCUD-SWLM	SWK Patch Panel, FAO, 1RU, 96f, Rapid Latch, Flex Adapter, 48 x LC (front) - SWK 96f (front)	SMF	N/A
SW-PP1F-96SM-12MPM8-SWLM	SWK Patch Panel, FAO, 1RU, 96f, Rapid Latch, Flex Adapter, 12 x MPO8 Male (front) - SWK 96f (front)	SMF	N/A
SW-PP1F-144SM-18MPM8-SWLM	SWK Patch Panel, FAO, 1RU, 96f, Rapid Latch, Flex Adapter, 18 x MPO8 Male (front) - SWK 144f (front)	SMF	N/A
SW-PP2-288SM-144LCUD-3SWLM	SWK Hyper Patch Panel, 2RU, 288f, Rapid Latch, 144 x LC (front) - 3 x SWK 96f (rear)	SMF	N/A
SW-PP2-288SM-36MPM8-3SWLM	SWK Hyper Patch Panel, 2RU, 288f, Rapid Latch, 36 x MPO8 Male (front) - 3 x SWK 96f (rear)	SMF	N/A
SW-PP2-288SM-24MPM12-3SWLM	SWK Hyper Patch Panel, 2RU, 288f, Rapid Latch, 24 x MPO12 Male (front) - 3 x SWK 96f (rear)	SMF	N/A
SW-PP2-288SM-144LCUD-2SWLM	SWK Hyper Patch Panel, 2RU, 288f, Rapid Latch, 144 x LC (front) - 2 x SWK 144f (rear)	SMF	N/A
SW-PP2-288SM-36MPM8-2SWLM	SWK Hyper Patch Panel, 2RU, 288f, Rapid Latch, 36 x MPO8 Male (front) - 2 x SWK 144f (rear)	SMF	N/A
SW-PP2-288SM-24MPM12-2SWLM	SWK Hyper Patch Panel, 2RU, 288f, Rapid Latch, 24 x MPO12 Male (front) - 2 x SWK 144f (rear)	SMF	N/A
	SWK PATCH PANELS - PIGTAIL		
SW-PP1-96SM-48XLCUD-001M	SWK Patch Panel, 1RU, 96f, Rapid Latch, Flex Adapter, 48 x LC (front) - 8 x 12f Ribbon (rear), 1 meter	SMF	N/A
SW-PP1-96SM-12MPM8-001M	SWK Patch Panel, 1RU, 96f, Rapid Latch, Flex Adapter, 12 x MPO8 (front) - 8 x 12f Ribbon (rear), 1 meter	SMF	N/A
SW-PP1-96SM-8MPM12-001M	SWK Patch Panel, 1RU, 96f, Rapid Latch, Flex Adapter, 8 x MPO12 (rear) - 8 x 12f Ribbon (rear), 1 meter	SMF	N/A
SW-PP2-288SM-144LCUD-001M	SWK Hyper Patch Panel, 2RU, 288f, Rapid Latch, 144 x LC (front) - 12 x 12f Ribbon (rear), 1 meter	SMF	N/A
SW-PP2-288SM-36MPM8-001M	SWK Hyper Patch Panel, 2RU, 288f, Rapid Latch, 36 x MPO8 (front) - 12 x 12f Ribbon (rear), 1 meter	SMF	N/A
SW-PP2-288SM-24MPM12-001M	SWK Hyper Patch Panel, 2RU, 288f, Rapid Latch, 24 x MPO12 (front) - 12 x 12f Ribbon (rear), 1 meter	SMF	N/A

*The patch panel that converts a SWK™ 96f connector (rear) to 48 LC connectors (front) was tested per IEC 61300-3-34 and IEC 61753-1 and resulted in low insertion losses (≤ 0.35 dB for the SWK™ 96f connector and ≤ 0.25 dB for the LCs) for >97% of random mating samples for SMF. The return loss for the SWK™ Connector and LC connectors was > 55 dB.

SWK™ Fiber Cable Assembly

Our innovative line of SWK™ cable assemblies help you maximize and future-proof your network infrastructure projects. Available preconnectorized or field terminated, SWK™ Jumper, Fanout, and Pigtail Cables can be directly connected or spliced on to any existing infrastructure or device connector type. This flexibility provides you with the highest capacity connectivity solution available on the market today coupled with never-before-seen usability.

SWK™ Fanout Cables

Splice-on SWK™ Connector Cables utilizing ribbonized or single-strand fiber that can be directly terminated to any field cables.

PROPERTY	DESCRIPTION
Connector Type	MPO (APC) to LC (UPC)
Wave Length	1310/1550 nm
Optical Fiber Type	Single-Mode Fiber
Insertion Loss Max.	Max. 0.35 dB (SWK, MPO)
Return Loss Min.	55 dB per each connection point

SWK™ Jumper Cables

Pre-terminated SWK™ to SWK™ Connector Cables that are fully customizable and built to your exact quantity, color, and length specifications.

PROPERTY	DESCRIPTION
Connector Type	MPO (APC) to MPO (APC)
Wavelength	1310/1550 nm
Optical Fiber Type	Single-Mode Fiber
Insertion Loss Max.	Max. 0.35 dB (SWK, MPO)
Return Loss Min.	55 dB per each connection point

SWK™ Pigtail Cables

Pre-terminated SWK™ Connector to any standard connector type cables that are fully customizable to meet your specific requirements.

PROPERTY	DESCRIPTION
Connector Type	MPO (APC)
Wavelength	1310/1550 nm
Optical Fiber Type	Single-Mode Fiber
Insertion Loss Max.	Max. 0.35 dB (SWK, MPO); Max. 0.25dB (LC)
Return Loss Min.	55 dB per each connection point

ORDERING INFORMATION

Instructions: Create a part number by using this character set and codes.

SW - 111 22 - 33 - 444 - 5555 6666 - 7777

1 - FIBER QUANTITY	
048	48-Fiber Count
096	96-Fiber Count
144	144-Fiber Count

2 - CABLE TYPE	
JT	Jumper Trunk
FO	Fanout
PT	Pigtail
ST	Super Trunk

3 - FIBER TYPE	
SM	Single-Mode

4 - JACKET TYPE	
INP	Indoor Plenum

5 - F/O CONN. TYPE	
SWLF	SWK™ Female

6 - F/O CONN. TYPE	
SWLF	SWK™ Female
ULCU	Uniboot LC UPC
MPF8	MPO 8 Female
MPF12	MPO 12 Female
0	Ribbon Fiber

7 - LENGTH	
001M	1 Meter
003M	3 Meters

*Custom fiber counts, connector types, colors (connector, jacket, and buffer tubes), and cable lengths available upon request.
**Select connector code based on the type of adapter used at the patch panel and the electronic interface connector.

Cable Payoff Tool

The Cable Payoff Tool aids in the installation of connectorized cables into a horizontal cable tray. While a single tool provides great efficiency, note that multiple tools can be combined to install multiple cable assemblies at the same time.

This tool features an adjustable cable coil hub mechanism that easily adjusts to fit different coil inside diameters, making it suitable for a wide range of applications, as well as assisting in the installation of multiple cable assemblies without the risk of tangling or knotting.

CAPT-1

FEATURES

- Enables the simultaneous installation of up to eight cable assemblies using eight turn style reels arranged in two groups of four. This ensures increased productivity and safety during the installation process.
- Up to 79% improvement in cable installation time (results from independent third party trial)
- Achieves a 50% reduction in necessary manpower, facilitated by the synchronized rotation of cables at a consistent rate, combined with the autobraking.

SPECIFICATIONS

PROPERTY	LENGTH
Turn Table Tray Dimensions	20 x 11.8 x 6.3 in (508 x 300 x 160 mm)
Minimum ID of Coiled Cable	8.0 in (203 mm)
Maximum ID of Coiled Cable	11.8 in (300 mm)
Maximum O.D. of Coiled Cable	6.3 in (160 mm)
Maximum Height of Coiled Cable	20 in (508 mm)

*The coiled cable length cannot exceed the turn table tray dimensions.

CORD OR CABLE O.D.	MAX CABLE LENGTHS
0.61 in (15.6 mm)	306 ft (93 m)
0.55 in (14.0 mm)	379 ft (115 m)
0.52 in (13.3 mm)	420 ft (128 m)
0.46 in (11.6 mm)	553 ft (168 m)
0.44 in (11.3 mm)	582 ft (177 m)
0.41 in (10.3 mm)	700 ft (213 m)
0.35 in (8.8 mm)	960 ft (292 m)
0.27 in (6.9 mm)	1,562 ft (476 m)
0.12 in (3.0 mm)	8,286 ft (2,518 m)

*Example of maximum lengths based on cable fiber count, OD, Wt. and turn style reel measurements.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
CAPT-1	Tool with rotating platen for paying off cable assemblies, 500mm max reel diameter, stackable with hinged lid

TN Fiber Optic Splice Closures

The TN Fiber Optic Splice Closures are robust and versatile enclosures designed for high-fiber-count outdoor cable splicing applications. Tailored for use with SEL's extensive range of high-fiber-count cables, these closures offer a splice capacity of up to 6,912 fibers, making them ideal for large-scale and complex network deployments.

Available in two configurations— in-line (FTC-TN3456-IL and FTC-TN4320-IL) and butt (FTC-TN5184 and FTC-TN6912) — these closures are engineered to meet diverse splicing needs with superior performance and durability.

FTC-TN5184

ORDERING INFORMATION

Instructions: Please order the number of the Cable Port Sealing Kit and Blank Plug Set based on the size and number of cable entries.

PART NUMBER	FIBER CAPACITY	CONFIGURATION TYPE	SPLICE TRAY		MAIN CABLE PORTS (RECOMMENDED)	BRANCH CABLE PORTS (RECOMMENDED)
			QUANTITY	TYPE		
FTC-TN3456-IL	3,456f	In-line	16	Thin Tray (216 fiber / tray)	2	4
FTC-TN4320-IL	4,320f	In-line	5	Thick Tray (864 fiber / tray)	2	4
FTC-TN5184	5,184f	Butt	24	Thin Tray (216 fiber / tray)	2	1
FTC-TN6912	6,912f	Butt	8	Thick Tray (864 fiber / tray)	2	1

ACCESSORIES

PART NUMBER	DESCRIPTION	CABLE RANGE	TUBING PORT QTY.	COMPATIBLE CABLE TYPES
BRTN-DOUBLE	Cable Port Sealing Kit, Double Hole	0.27 to 0.55 in (7 to 14 mm)	2	Microduct
BRTN-S	Cable Port Sealing Kit, Small	0.32 to 0.73 in (8 to 18.5 mm)	1	Slotted Core, Central Tube, Microduct
BRTN-M	Cable Port Sealing Kit, Medium	0.73 to 1.30 in (18.5 to 33 mm)	1	Slotted Core, Central Tube
BRTN-L	Cable Port Sealing Kit, Large	1.30 to 1.38 in (33 to 35 mm)	1	Slotted Core
BRTN-XL	Cable Port Sealing Kit, Extra Large	1.38 to 1.46 in (35 to 37 mm)	1	Slotted Core
BPS-TN	Blank Plug Set (Port Cover, Blank Plug, Silicon Grease)	N/A	N/A	N/A

FTC-GP4-PR432

FTC-GP8-PR864

GP Fiber Optic Splice Closures

The GP Fiber Optic Splice Closures is a lightweight and compact, mechanical joint closure that is designed as a fully reusable system that connects various optical fiber cables in severe conditions. This closure is a universal design suitable for use in underground manholes, hand-holes, overhead poles, and indoor installations.

FEATURES

- Rugged Housing for Most OSP Environments
- Reusable Mechanical Sealing Systems
- Applicable with Standard Ribbon, Pliable Ribbon and Loose Tube Fiber Cable
- Installable Underground, Wall or Pole
- Cable Port Sealing Kit Options Available (S, M, L)
- IP68 Rated

BENEFITS

- Space saving, High Density Compact Design
- Usable Under Severe Conditions
- Easy Mounting on and Removal From Pole or Wall by Snap on Mounting Kit

SPECIFICATIONS

PROPERTY	SPECIFICATIONS
Applications **Requires Accessories*	Underground (Manhole, Hand-hole, Joint Box) Pole Mounting* Outdoor/Indoor Wall*
APPLICABLE FIBER AND CABLE TYPES	
Fiber	200 µm or 250 µm (UV Coated) 12-Fiber Pliable Ribbon
	250 µm (UV Coated) 12-Fiber Standard Ribbon
	250 µm (UV Coated) Single Fiber
	900 µm Single Fiber
Cable	Micro Duct Cables
	Ribbon Slot Cables
	Central Tube Cables
	Loose Tube Cables

FTC-GP4-PR432
APPLICABLE CABLE DIAMETER

PROPERTY	SPECIFICATION
Main Cable (Oval Cable Port)	0.20 – 0.63 in (5.0 – 16.0 mm)
Branch Cable (Round Cable Port)	0.32 – 0.79 in (8.0 – 20.0 mm)

FTC-GP8-PR864
APPLICABLE CABLE DIAMETER

PROPERTY	SPECIFICATION
Main Cable (Oval Cable Port)	0.31 – 0.79 in (8.0 – 20.0 mm)
Branch Cable (Round Cable Port)	0.31 – 0.79 in (8.0 – 20.0 mm)

ORDERING INFORMATION

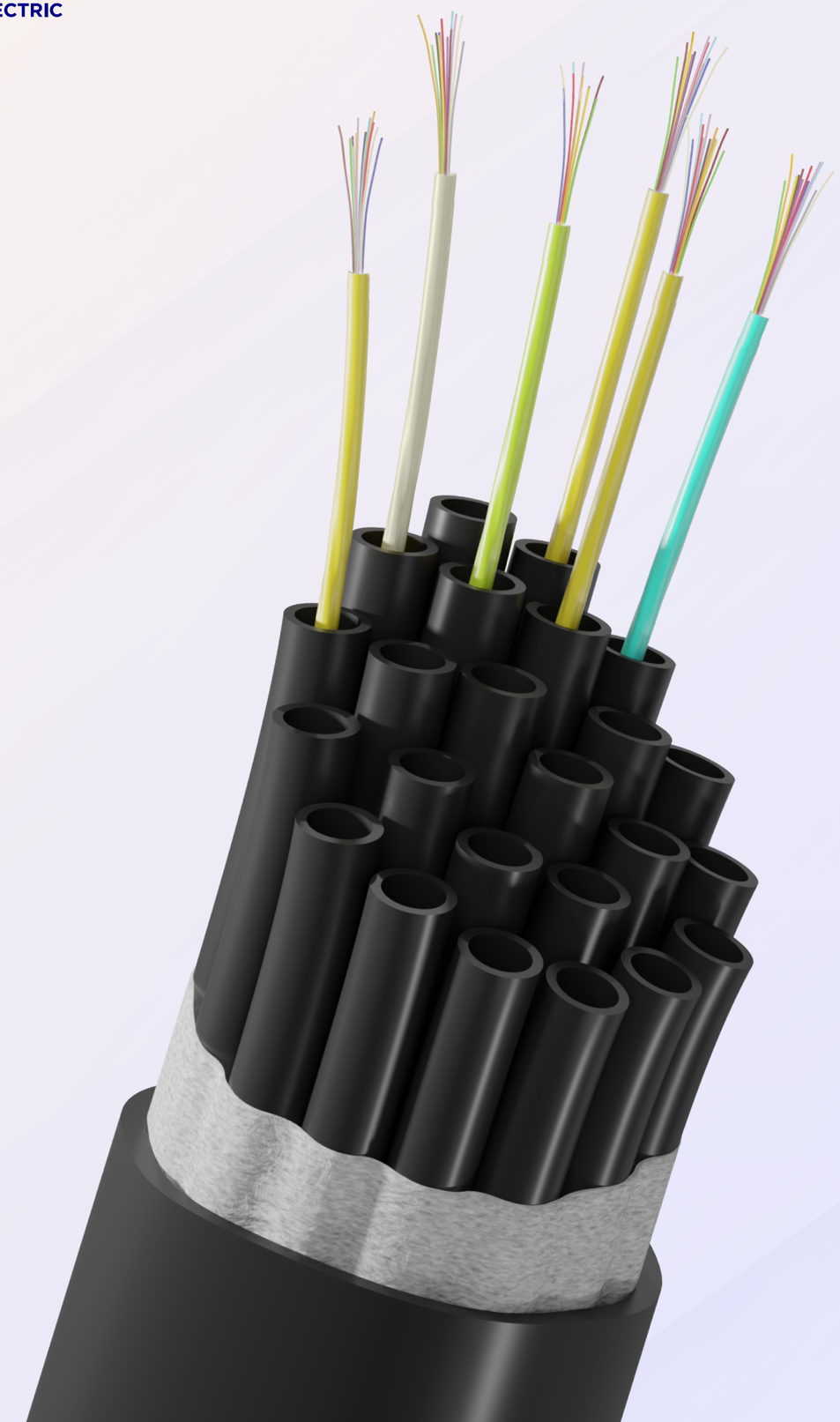
PART NUMBER	SPLICE CAPACITY	CABLE PORT ENTRY		DIMENSIONS	WEIGHT
		MAIN	BRANCH		
FTC-GP4-PR432	423f*	1 Port - Oval (2 Cables)	4 Ports - Round	10.8 x 8.1 x 6.1 in (275 x 205 x 155 mm)	6.6 lbs (3.0 kg)
FTC-GP8-PR864	864f*	1 Port - Oval (2 Cables)	6 Ports - Round	11.0 x 8.4 x 12.5 in (280 x 214 x 317 mm)	8.8 lbs (4.0 kg)

*With 12-Fiber Pliable Ribbon (200 µm or 250 µm)

ACCESSORIES

Instructions: Please order the number of parts below based on the size, fiber count and number of cable entries.

PART NUMBER	DESCRIPTION
FTC-GP4-PR432	
FTC-GP4-BRANCH-KIT-S	Cable Branch Kit for GP4 (Small)
FTC-GP4-BRANCH-KIT-M	Cable Branch Kit for GP4 (Medium)
FTC-GP4-BRANCH-KIT-L	Cable Branch Kit for GP4 (Large)
FTC-GP4-POLE-WALL-BRACKET	Pole/Wall Mount Kit for GP4
FTC-GP4-GROUND-KIT	Bond Wire Kit for GP4 (2mm2, less than 20A)
BP-M-GP4	Blank Plug for Main Cable Port for GP4
BP-R-GP4	Blank Plug for Round Cable Port for GP4
FTC-GP8-PR864	
FTC-GP8-BRANCH-KIT-S	Cable Branch Kit for GP8 (Small)
FTC-GP8-BRANCH-KIT-M	Cable Branch Kit for GP8 (Medium)
FTC-GP8-BRANCH-KIT-L	Cable Branch Kit for GP8 (Large)
FTC-GP8-POLE-WALL-BRACKET	Pole/Wall Mount Kit for GP8
FTC-GP8-GROUND-KIT	Bond Wire Kit for GP8 (2mm2, less than 20A)
BP-M-GP8	Blank Plug for Main Cable Port for GP8
BP-R-GP8	Blank Plug for Round Cable Port for GP8
GENERAL	
FPS-1	Fiber Protection Sleeves for Single Fiber
FPS-6	Fiber Protection Sleeves for Single to 12-Fiber Ribbon
TT-R-4.5-700-6PCS-SET	Transportation Tube Set for Ribbon Fiber
TT-S-2.5.700-12PCS-SET	Transportation Tube Set for Single Fiber



FUTUREFLEX® AIR-BLOWN FIBER® SOLUTIONS

Sumitomo Electric Lightwave's (SEL) FutureFLEX® Air-Blown Fiber® (ABF) Solutions, the first air-blown fiber technology in North America, offer immediate scalability with installations of exact fiber types and counts required in real time. Delivering unprecedented ease of installation, flexibility, and cost savings for current and future network requirements, FutureFLEX® Air-Blown Fiber® Solutions enable fast and easy installs, upgrades, and MACs in minutes or hours versus weeks or months associated with traditional cabling.

Its competitive features and benefits are compatible with any network infrastructure design, including educational and corporate campuses, sports stadiums, hospitals, DAS, oil refineries, and more.

FutureFLEX® Air-Blown Fiber® Solutions are comprised of five key components:

- Armored and unarmored tube cables are installed to create a cable pathway in both indoor and outdoor applications, often replacing conduits and/or innerducts used in conventional cabling systems
- Fiber bundles blown through individual tubes are typically 1/40th the size of comparable conventional fiber optic cable
- Tube distribution units (TDU) join tube cables using easy push-fit connectors
- Fiber termination units are wall-mounted or rack-mounted enclosures used to terminate ABF tubes and fiber bundles – SEL offers a full line of termination accessories and pigtails
- Blowing equipment, leased directly to licensed FutureFLEX® installers, uses nitrogen to push the fiber bundles through the tube cables at time-saving speeds

The FutureFLEX® Air-Blown Fiber® Solution

STEP 1: CREATE AN END-TO-END TUBE CABLE PATHWAY THAT CONSISTS OF:

Tube Cable

- Tube Cable Considerations
- Jacket and Material Rating (OSP, Riser, Plenum, Armored, etc.)

Tube Distribution Units

STEP 2: INSTALL THE FIBER BUNDLE

Appropriately selected Fiber Bundles are blown through the Tube Cable Pathway

Fiber Bundle selection considerations include:

- Fiber Count (6, 12, 24, 48, or 72)
- Fiber Type (SMF, MMF, LOMM, etc.)

Blowing Equipment and Accessories

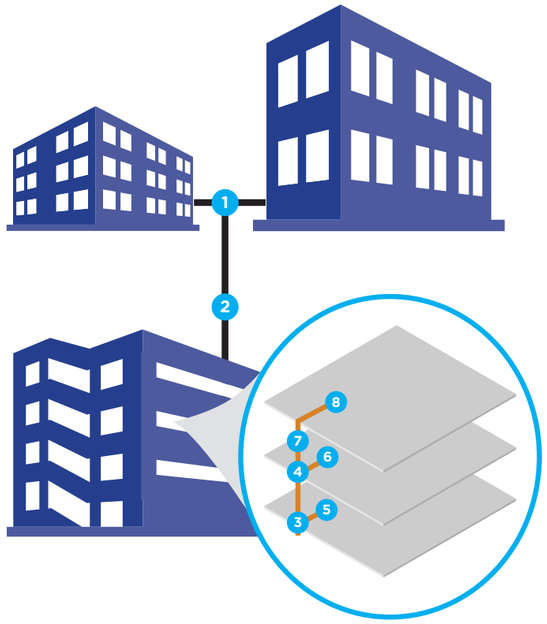
STEP 3: TERMINATE THE FIBER BUNDLES AT FIBER TERMINATION UNITS

Fiber Termination Units (Enclosures/Hardware)

- Wall Mount
- Rack Mount

Various Termination Options Available

- Fusion Splice to Fan-out
- Fusion Splice Directly to Connector
- Fusion Splice to Cassette/Module



1. Outdoor Enclosure

2. Outdoor Tube Cable

3. Tube Distribution Unit

4. Indoor Tube Cable

5. Fiber Termination Unit

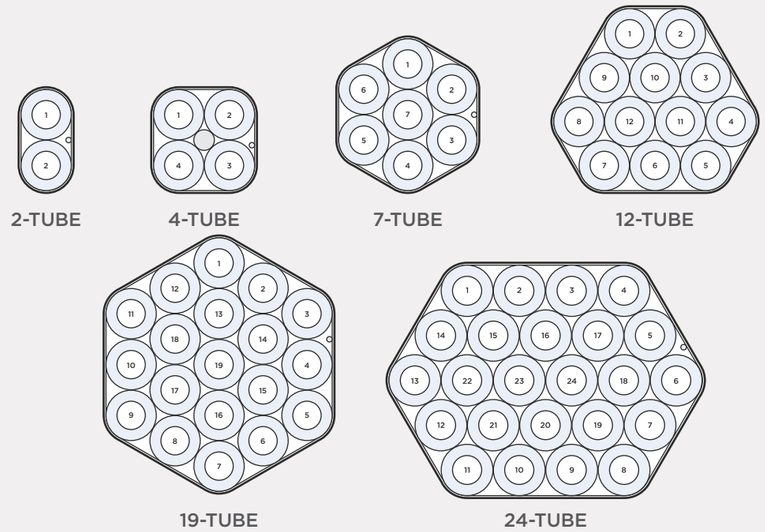
6. Fiber Bundle Coil

7. Fiber Termination Unit

8. Blowing Equipment

Step 1 - Create an End-to-End Tube Cable Pathway

TUBE COUNTS



How are tube cables connected?

Tube Distribution Units (TDU) and other related accessories are used to connect tube cables - making a continuous path for the fiber bundle. The TDUs can also be used to transition from one environment to another.

DE06MDU

DE20IDU; DE20IDUP

DE08MCS

DE08MB

DE06MP

DE55MP

DE08MA

DE06RC

Indoor Riser Rated Tube Cables

These multi-tube cables are used for creating indoor tube cable infrastructures. They are UL OFNR listed for riser transitions between building floors and are ideal for intrabuilding backbones.

TC02TRC-1

TC02TRC

TC04TRC-1

TC04TRC

TC07TRC-1

TC07TRC

TC12TRC-1

TC12TRC

TC19TRC-1

TC19TRC

TC24TRC

FEATURES

- Flame-resistant PVC jacket materials
- Flame-barrier tape
- Ripcords
- Cable-length markings at 2-foot intervals
- Tube ID numbers marked at 2-inch intervals
- UL 1666 OFNR / CUL FT4
- All-dielectric
- Meets ICEA, TIA, and UL standards

SPECIFICATIONS

PROPERTY	SPECIFICATION
OFNR Riser-Rated	UL 1666, cUL FT4, CSA FT4 Listed
Operation Temperature Range	-4°F to +158°F (-20°C to +70°C)
Minimum Bend Radius (During/After Installation)	20 / 10 x Cable OD
Standard Reel Length	3,000 ft (+30 ft / -0 ft)
Maximum Reel Length	3,000 ft (+30 ft / -0 ft)
Metallic Elements (Armored Only)	Bonding / Grounding Required
Inner Tube ID / OD	6 mm / 8 mm

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	O.D.	MAX WEIGHT	MAX TENSILE LOAD	STD LENGTH	MAX LENGTH
		IN	LBS/KFT	LBS	FT	FT
TC02TRC	UL/CUL OFNR-Rated Tube Cable/ Single Jacket; 2 Tubes	0.80	140	120	3,000	3,000
TC04TRC	UL/CUL OFNR-Rated Tube Cable/ Single Jacket; 4 Tubes (CSM)	0.90	210	200	3,000	3,000
TC07TRC	UL/CUL OFNR-Rated Tube Cable/ Single Jacket; 7 Tubes	1.00	310	400	3,000	3,000
TC12TRC	UL/CUL OFNR-Rated Tube Cable/ Single Jacket; 12 Tubes	1.48	480	400	3,000	3,000
TC19TRC	UL/CUL OFNR-Rated Tube Cable/ Single Jacket; 19 Tubes	1.70	574	500	3,000	3,000
TC24TRC	UL/CUL OFNR-Rated Tube Cable/ Single Jacket; 24 Tubes	2.02	793	500	2,000	2,000
TC02TRC-1	TC02TRC with Interlocked Galvanized Steel Armored (No Armor Overjacket)	1.08	543	500	3,000	3,000
TC04TRC-1	TC04TRC with Interlocked Galvanized Steel Armored (No Armor Overjacket)	1.20	748	500	3,000	3,000
TC07TRC-1	TC07TRC with Interlocked Galvanized Steel Armored (No Armor Overjacket)	1.39	982	600	3,000	3,000
TC12TRC-1	TC12TRC with Interlocked Galvanized Steel Armored (No Armor Overjacket)	1.73	1,101	600	3,000	3,000
TC19TRC-1	TC19TRC with Interlocked Galvanized Steel Armored (No Armor Overjacket)	2.03	1,783	600	2,500	2,500

Indoor Plenum Rated Tube Cables

These single- and multi-tube cables are used for creating indoor tube cable infrastructures. They are listed for plenum spaces. They are ideal for intrabuilding transitions which require plenum listed products.

TC02TP2-1

TC02TP2

TC04TP2-1

TC04TP2

TC07TP2-1

TC07TP2

TC12TP2-1

TC12TP2

TC19TP2-1

TC19TP2

FEATURES

- Low-smoke, flame-resistant jacket materials
- Cable-length markings at 2-foot intervals
- Tube ID numbers marked at 2-inch intervals
- NFPA 262 / CUL FT6 / CSA listed
- Meets ICEA, TIA and UL standards

SPECIFICATIONS

PROPERTY	SPECIFICATION
OFNP Plenum-Rated	NFPA 262, cUL FT6, CSA FT6 Listed
Operation Temperature Range (Plenum Rated)	+32°F to +158°F (0°C to +70°C)
Minimum Bend Radius (During/After Installation)	20 / 10 x Cable OD
Standard Reel Length	1,000 ft (+10 ft / -0 ft)
Maximum Reel Length	1,000 ft (+10 ft / -0 ft)
Metallic Elements (Armored Only)	Bonding / Grounding Required
Inner Tube ID / OD	5.5 mm / 8 mm

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	O.D.	MAX WEIGHT	MAX TENSILE LOAD	STD LENGTH	MAX LENGTH
		IN	LBS/KFT	LBS	FT	FT
TC02TP2	UL/CUL/CSA NFPA 262 Plenum OFNP-Rated Tube Cable/Single Jacket; 2 Tubes	0.81	140	120	1,000	1,000
TC04TP2	UL/CUL/CSA NFPA 262 Tube Cable/ Single Jacket; 4 Tubes (CSM)	1.00	210	200	1,000	1,000
TC07TP2	UL/CUL/CSA NFPA 262 Plenum OFNP-Rated Tube Cable/Single Jacket; 7 Tubes	1.40	310	400	1,000	1,000
TC12TP2	UL/CUL/CSA NFPA 262 Plenum OFNP-Rated Tube Cable/Single Jacket; 12 Tubes	1.49	480	500	1,000	1,000
TC19TP2	UL/CUL/CSA NFPA 262 Plenum OFNP-Rated Tube Cable/Single Jacket; 19 Tubes	1.77	574	500	1,000	1,000
TC02TP2-1	TC02TP2 with Interlocked Galvanized Steel Armor (No Armor Overjacket)	1.31	559	500	1,000	1,000
TC04TP2-1	TC04TP2 with Interlocked Galvanized Steel Armor (No Armor Overjacket)	1.31	608	500	1,000	1,000
TC07TP2-1	TC07TP2 with Interlocked Galvanized Steel Armor (No Armor Overjacket)	1.50	887	600	1,000	1,000
TC12TP2-1	TC12TP2 with Interlocked Galvanized Steel Armor (No Armor Overjacket)	1.69	1,100	600	1,000	1,000
TC19TP2-1	TC19TP2 with Interlocked Galvanized Steel Armor (No Armor Overjacket)	2.15	1,696	600	1,000	1,000


TC02MTIO-4

TC02MTIO


TC04MTIO-4

TC04MTIO


TC07MTIO-4

TC07MTIO


TC19MTIO-4

TC19MTIO

Indoor/Outdoor Special Applications Tube Cables

FutureFLEX® Mass Transit Tube Cables are designed for use as an optical fiber cabling infrastructure in Air-Blown® Fiber applications which meet NFPA 130 (Standard for Fixed Guideway Transit and Passenger Rail Systems) and Low Smoke Zero Halogen (LSZH) requirements. These requirements include FT4-ST-1/IEEE 1202 exposure requirements for char height, total smoke released, and peak smoke release rate of ANSI/UL 1685.

Mass Transit Unarmored/Armored Tube Cables may also be used in indoor applications where (1) Optical Fiber Nonconductive/Conductive Riser-rated (OFNR/OFCR or FT4-ST-1) apply, or (2) no fire ratings apply. Mass Transit Tube Cables are pulled or placed in indoor/outdoor routes for the purpose of individual tube interconnection to establish pathways for FutureFLEX® fiber bundle installation.

SPECIFICATIONS

PROPERTY	SPECIFICATION
Transit and Passenger Rail Systems	NFPA 130, IEEE 1202, ANSI/UL 1685, UL1666, OFNR, FT-4-ST1
Operation Temperature Range	-40°F to +158°F (-40°C to +70°C)
Minimum Bend Radius (During/After Installation)	20 / 10 x Cable OD
Standard Reel Length	3,000 ft (+30 ft / -0 ft)
Maximum Reel Length	3,000 ft (+30 ft / -0 ft)
Metallic Elements (Armored Only)	Bonding / Grounding Required
Inner Tube ID / OD	6 mm / 8 mm

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	O.D.	MAX WEIGHT	STD LENGTH	MAX LENGTH
		IN	LBS/KFT	FT	FT
TC02MTIO	UL/CUL FT4 NFPA 130 Indoor/Outdoor Tube Cable; 2 Tubes	0.84	128	3,000	3,000
TC04MTIO	UL/CUL FT4 NFPA 130 Indoor/Outdoor Tube Cable; 4 Tubes (CSM)	0.97	235	3,000	3,000
TC07MTIO	UL/CUL FT4 NFPA 130 Indoor/Outdoor Tube Cable; 7 Tubes	1.15	336	3,000	3,000
TC12MTIO	UL/CUL FT4 NFPA 130 Indoor/Outdoor Tube Cable; 12 Tubes	1.43	437	3,000	3,000
TC19MTIO	UL/CUL FT4 NFPA 130 Indoor/Outdoor Tube Cable; 19 Tubes	1.78	672	3,000	3,000
TC02MTIO-4	TC02MTIO with Interlocked Galvanized Steel Armor LSZH Jacketed; 2 Tubes	1.20	531	3,000	3,000
TC04MTIO-4	TC04MTIO with Interlocked Galvanized Steel Armor LSZH Jacketed; 4 Tubes	1.38	623	3,000	3,000
TC07MTIO-4	TC07MTIO with Interlocked Galvanized Steel Armor LSZH Jacketed; 7 Tubes	1.50	1,001	3,000	3,000
TC12MTIO-4	TC12MTIO with Interlocked Galvanized Steel Armor LSZH Jacketed; 12 Tubes	1.77	1,223	3,000	3,000
TC19MTIO-4	TC19MTIO with Interlocked Galvanized Steel Armor LSZH Jacketed; 19 Tubes	2.17	1,850	3,000	3,000


TC02TOX-2

TC02TOX


TC04TOD-2

TC04TOD


TC07TOX-2

TC07TOX


TC12TOX-2

TC12TOX


TC19TOX-2

TC19TOX


TC24TOX

Outdoor Tube Cables

These single- and multi-tube cables are designed for use in creating tube cable infrastructures in outdoor environments where non-conductive elements are desired or required. The TOX & TOD series are for all normal OSP environments in duct and in direct buried applications below the frost line.

FEATURES

- Works with all fiber bundle counts from 2 to 72 (PEF & PVDF)
- High-performance black polyethylene (PE) tubes
- Meets TIA standards

SPECIFICATIONS

PROPERTY	SPECIFICATION
Operation Temperature Range	-40°F to +158°F (-40°C to +70°C)
Minimum Bend Radius (During/After Installation)	20 / 10 x Cable OD
Standard Reel Length	3,000 ft (except TC24TOX 2,000 ft)
Maximum Reel Length	3,000 ft (except TC24TOX 2,000 ft)
Metallic Elements (Armored Only)	Bonding / Grounding Required
Inner Tube ID / OD	6 mm / 8 mm

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	O.D.	MAX WEIGHT	MAX TENSILE LOAD	STD LENGTH	MAX LENGTH
		IN	LBS/KFT	LBS	FT	FT
TC01TOX	Water-Blocked, Dielectric Tube Cable; 1 Tube	0.53	59	200	3,000	3,000
TC02TOX	Water-Blocked, Dielectric Tube Cable; 2 Tubes	0.81	90	200	3,000	3,000
TC04TOD	Water-Blocked, Dielectric Tube Cable; 4 Tubes (CSM)	0.94	146	400	3,000	3,000
TC07TOX	Water-Blocked, Dielectric Tube Cable; 7 Tubes	1.14	203	400	3,000	3,000
TC12TOX	Water-Blocked, Dielectric Tube Cable; 12 Tubes	1.46	300	400	3,000	3,000
TC19TOX	Water-Blocked, Dielectric Tube Cable; 19 Tubes	1.77	444	500	3,000	3,000
TC24TOX	Water-Blocked, Dielectric Tube Cable; 24 Tubes	2.00	650	500	2,000	2,000
TC02TOX-2	TC02TOX with Jacketed Interlocked Steel Armor; 2 Tubes	1.20	490	500	3,000	3,000
TC04TOD-2	TC04TOD with Jacketed Interlocked Steel Armor; 4 Tubes	1.31	538	500	3,000	3,000
TC07TOX-2	TC07TOX with Jacketed Interlocked Steel Armor; 7 Tubes	1.50	874	600	3,000	3,000
TC12TOX-2	TC12TOX with Jacketed Interlocked Steel Armor; 12 Tubes	1.89	1,089	600	3,000	3,000
TC19TOX-2	TC19TOX with Jacketed Interlocked Steel Armor; 19 Tubes	2.10	1,653	600	3,000	3,000

TC02MSOS-2

TC02MSOS

TC04MSOS-2

TC04MSOS

TC07MSOS-2

TC07MSOS

TC19MSOS-2

TC19MSOS

Outdoor All-Dielectric Tube Cables

These single- and multi-tube cables are designed for use in creating tube cable infrastructures in outdoor environments where non-conductive elements are desired or required.

The MSOS is designed for all normal OSP environments and in aerial or duct applications requiring enhanced thermal stability (i.e., on poles, refineries, industrial outdoor installations, or above frost lines/exposed to ambient air temperature changes).

FEATURES

- Dry tape water-blocked cable core
- Interlocked steel armor
- Cable length markings at 2-foot intervals
- Tube ID numbers marked at 2-inch intervals
- Meets TIA standards
- Ultra-high-performance tubing technology (MSOS)

SPECIFICATIONS

PROPERTY	SPECIFICATION
Operation Temperature Range	-40°F to +158°F (-40°C to +70°C)
Minimum Bend Radius (During/After Installation)	20 / 10 x Cable OD
Standard Reel Length	3,000 ft (+30 ft / -0 ft)
Maximum Reel Length	3,000 ft (+30 ft / -0 ft)
Metallic Elements (Armored Only)	Bonding / Grounding Required
Inner Tube ID / OD	6 mm / 8 mm

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	O.D.	MAX WEIGHT	MAX TENSILE LOAD	STD LENGTH	MAX LENGTH
		IN	LBS/KFT	LBS	FT	FT
TC02MSOS	Water-Blocked, Dielectric Tube Cable; Low Shrink, with 4 Yellow Stripes; 2 Tubes	0.81	90	200	3,000	3,000
TC04MSOS	Water-Blocked, Dielectric Tube Cable; Low Shrink, with 4 Yellow Stripes; 4 Tubes (CSM)	0.94	146	200	3,000	3,000
TC07MSOS	Water-Blocked, Dielectric Tube Cable; Low Shrink, with 4 Yellow Stripes; 7 Tubes	1.14	203	400	3,000	3,000
TC12MSOS	Water-Blocked, Dielectric Tube Cable; Low Shrink, with 4 Yellow Stripes; 12 Tubes	1.51	300	400	3,000	3,000
TC19MSOS	Water-Blocked, Dielectric Tube Cable; Low Shrink, with 4 Yellow Stripes; 19 Tubes	1.77	444	600	3,000	3,000
TC02MSOS-2	TC02MSOS with Jacketed Interlocked Steel Armor; 2 Tubes	1.20	490	500	3,000	3,000
TC04MSOS-2	TC04MSOS with Jacketed Interlocked Steel Armor; 4 Tubes	1.34	538	500	3,000	3,000
TC07MSOS-2	TC07MSOS with Jacketed Interlocked Steel Armor; 7 Tubes	1.54	874	600	3,000	3,000
TC12MSOS-2	TC12MSOS with Jacketed Interlocked Steel Armor; 12 Tubes	1.89	1,089	600	3,000	3,000
TC19MSOS-2	TC19MSOS with Jacketed Interlocked Steel Armor; 19 Tubes	2.20	1,653	600	3,000	3,000

TC01TBX

TC01TGX

Unjacketed Single Tubes

These unjacketed single tubes are available in fire-retardant and non-flame-retardant versions. Fire-retardant tubes are UL listed for indoor general purpose applications. The non-flame retardant tubes are designed for indoor single tube drops where fire rating is unnecessary. Semi-transparent tubes are also offered for tube connection in Tube Distribution Units.

FEATURES

- Unjacketed single tubes
- Non-flame-retardant, fire-retardant and semi-transparent tubes available
- TGX is UL 1581 OFN / CUL FT 1 / CSA listed

SPECIFICATIONS

PROPERTY	SPECIFICATION	
OFN General Purpose Fire Rated	UL 1581, CUL FT1, CSA OFN (FT1) Listed	
Operation Temperature Range (General Purpose Rated)	-4°F to +158°F (-20°C to +70°C)	
Minimum Bend Radius (During/After Installation)	8 mm OD Single Tubes	9 in
	6 mm OD Single Tubes	6 in
Inner / Outer Tube Diameter	6 mm / 8 mm (except TC01T6M 4.25 mm / 6 mm)	

ORDERING INFORMATION

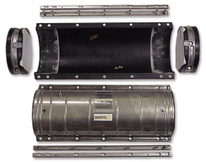
PART NUMBER	DESCRIPTION	O.D.	MAX WEIGHT	MAX TENSILE LOAD	STD LENGTH	MAX LENGTH
		IN	LBS/KFT	LBS	FT	FT
TC01TBX	Black Tube; Non-flame Retardant	0.315	15	60	3,000	3,000
TC01TCX	Clear Tube; Non-flame Retardant	0.315	32	60	500	3,000
TC01TGX	UL/CUL/CSA OFN Rated	0.315	17	60	1,000	3,000
TC01T6M	Clear Tube; Non-flame Retardant (6 mm OD x 4.25 mm ID)	0.236	17	60	500	3,000

Tube Distribution Units

DE06MDU

DE20IDU; DE20IDUP

DE02EPA; DE04EPA



DE09SPC

Featuring a scalable and flexible design, Tube Distribution Units (TDUs) are wall-mounted enclosures used at tube cable transitions or branching locations. Tubes are joined together using push-fit connectors. This results in a pathway between the network hub and workstations or other sites and functions supported by the tube cable infrastructure.

FEATURES

- Top, bottom, or side entry for cables up to 2 inches in diameter
- The 16 x 16 inch modular unit (DE06MDU) minimizes wall space usage by allowing attachment of a Fiber Termination Unit to its door hinge

INDOOR DISTRIBUTION ORDERING INFORMATION

PART NUMBER	DESCRIPTION	DIMENSIONS	MATERIAL	COLOR	WEIGHT
DE06MDU	Indoor TDU (16 in); Modular; 42 Tubes (*approx.*)	16 x 16 x 4 in	Aluminum	Black	5 lb
DE20IDU	Indoor NEMA 1-Rated TDU (20 in); 84 Tubes Capacity (*approx.*)	20 x 20 x 7 in	Steel	Gray	27 lb
DE36IDU	Indoor NEMA 1-Rated TDU (36 in); 168 Tubes Capacity (*approx.*)	36 x 30 x 7 in	Steel	Gray	70 lb
DE20IDUP	Perforated Panel Kit for DE20IDU	17 x 18.5 in	Steel	Gray	3 lb
DE36IDUP	Perforated Panel Kit for DE36IDU	32 in x 28.5 in	Steel	Gray	13.9 lb
DEIDUKEY	Keyed Cylinder Lock Kit with 2 Keys for DE20IDU and DE36IDU				
FTWM-TANDEM-DOOR	Replacement Door for DE06MDU for Tandem Mounting of FTWM-08L	16 x 16 in	Aluminum	Black	1.5 lb

OUTDOOR DISTRIBUTION ORDERING INFORMATION

PART NUMBER	DESCRIPTION	DIMENSIONS	MATERIAL	COLOR	WEIGHT
DE24XPPU	Outdoor NEMA 4X-Rated TDU (24 in); 84 Tubes Capacity (*approx.*)	24 x 24 x 8 in	Aluminum	Silver	21 lb
DE36XPPU	Outdoor NEMA 4X-Rated TDU (36 in); 168 Tubes Capacity (*approx.*)	36 x 30 x 8 in	Aluminum	Silver	35 lb
DE36XPPUST	Outdoor NEMA 4X-Rated TDU (36 in); 168 Tubes Capacity (*approx.*)	36 x 30 x 8 in	Stainless Steel	Silver	60 lb
DE24XPPUP	Perforated Panel Kit for DE24XPPU	21 x 21 in	Mild Steel	Gray	6.4 lb
DE36XPPUP	Perforated Panel Kit for DE36XPPU	33 x 27 in	Mild Steel	Gray	14.34 lb
DEXPPUSTKEY	Padlock for DE36XPPUST				

SPLICE CASE AND END PLATE ADAPTER ORDERING INFORMATION

PART NUMBER	DESCRIPTION	MATERIAL
DE02EPA	Splice Case End Plate Adapter for 2-Tube Cables	Rubber
DE04EPA	Splice Case End Plate Adapter for 4-Tube Cables	Rubber
DE12EPA	Splice Case End Plate Adapter for 12-Tube Cables	Rubber
DE24EPA	Splice Case End Plate Adapter for 24-Tube Cables	Rubber
DE09SPC	Splice Case with 3 pc End Plate (9.5 x 28 in)	Stainless Steel
DE12SPC	Splice Case with 3 pc End Plate (12.5 x 38 in)	Stainless Steel
DE09SPC-EP	Single (9.5 in) 3-Section End Plate for DE09SPC	
DE12SPC-EP	Single (12.5 in) 3-Section End Plate for DE12SPC	
DE09SBK	Bonding Kit for DE09SPC	
DE12SBK	Bonding Kit for DE12SPC	
DEFTK01	Splice Case Flash Test Kit	

BETC001

BETL03

BETL64

DE02SPL

DE08GBC

DE08MC2

DE08MT

Tools and Accessories

Accessory items are used for cutting, splicing, or sealing tube cables. Available items include tubing cutters and replacement blades, tube cable cutters and replacement blades, splice kits, and tube cable end seals.

FEATURES

- Tube cutter smoothly cuts all FutureFLEX® tube types
- Tube cable cutter cuts tube cables up to 2 inches in diameter
- Tube cable end seals available for 2 and 4 tubes, 7 tubes, and 19 tubes
- Splice kits provide all materials necessary to complete a permanent tube cable splice with a water-resistant protective barrier around the splice

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
BETC001	Tube Cutter
BETC00B	Replacement Blade for Tube Cutter
BETL03	Tube Cable Cutter (up to 32 mm); Green
BETL64	Tube Cable Cutter (up to 64 mm); Blue
BE08CTB	BB Catcher (with 8 mm Fitting)
BEPT0S	Pressure Test Switch
DE00SPL	Tube Cable Splice Kit (for 2 or 4-Tube Cables)
DE01SPL	Tube Cable Splice Kit (for 7 or 12-Tube Cables)
DE02SPL	Tube Cable Splice Kit (for 19-Tube Cables)
DE03SPL	Tube Cable Splice Kit (for 24-Tube Cables)
DE04HS1	Cable End Seal (Heat Shrink); for TC02 and TC04 Unarmored Tube Cables
DE07HS1	Cable End Seal (Heat Shrink); for TC02 and TC04 Armored Tube Cables, TC07 Unarmored and Armored Tube Cables, TC12 Unarmored Tube Cables
DE19HS1	Cable End Seal (Heat Shrink); for TC12 Armored Tube Cables, TC19 Unarmored Tube Cables
DE19HS2	Cable End Seal (Heat Shrink); for TC19 Armored Tube Cables, TC24 Tube Cables

COUPLING ORDERING INFORMATION

PART NUMBER	DESCRIPTION	COLOR	UOM
DE06MP	Tube Plug (6 mm) for Use in All Tubes Except Plenum	Orange	1 ea.*
DE06RC	Reducing Coupling (8 mm x 6 mm)	Clear / Black	1 ea.*
DE08GBC	Gas Blocking Coupling (8 mm) for Use in Class 1 - Div. 1 & 2 Areas	Black / Yellow	1 ea.*
DE08MA	Tube End Cap (8 mm)	Gray	1 ea.*
DE08MB	Bulkhead Tube Coupling (8 mm)	N/A	1 ea*
DE08MC2	Straight Tube Coupling (8 mm) for Non-Hazardous Areas	Clear / Red	1 ea.*
DE08MCS	Nickel-plated Brass Coupling for Hazardous Areas	N/A	1 ea.
DE08MP	Tube Plug (8 mm OD)	Gray	1 ea.*
DE08MT	Tee Coupling (8 mm)	Black / Blue	1 ea.*
DE08RC	Reducing Coupling (8.5 mm x 8.0 mm)	Clear / Red	1 ea.*
DE55MP	Tube Plug (5.5 mm OD) for Use in Plenum Tubes	Gray	1 ea*

**MOQ Applies*

DEDTSR1; DEDTSR3

DELTKG1; DELTKG7

DECES3; DECES4

DECES3; DECES4

Tube Distribution Accessories

STRAIN RELIEF KELLEMS GRIPS ORDERING INFORMATION

PART NUMBER	DESCRIPTION	USED FOR
DEDTSR1	Dust-Tight Kellems Grips #1 for Armored and Non-Armored Tube Cables	TC02TP2, TC02TRC, TC04TP2, TC04TRC, TC07TP2, TC07TRC, TC02TP2-1, TC02TRC-1, TC04TP2-1, TC04TRC-1, TC02TOX, TC02MSOS, TC04TOD, TC04MSOS, TC07TOX, TC07MSOS, TC02TOX-2, TC02MSOS-2, TC02MTIO, TC04MTIO, TC07MTIO, TC02MTIO-4
DEDTSR2	Dust-Tight Kellems Grips #2 for Armored and Non-Armored Tube Cables	TC12TP2, TC12TRC, TC07TP2-1, TC07TRC-1, TC12TOX, TC12MSOS, TC04TOD-2, TC04MSOS-2, and TC04MTIO-4
DEDTSR3	Dust-Tight Kellems Grips #3 for Armored Tube Cables	TC07TOX-2, TC07MSOS-2, TC07MTIO-4
DEDTSR4	Dust-Tight Kellems Grips #4 for Non-Armored Tube Cables	TC19TP2, TC19TRC, TC12TP2-1, TC12TRC-1, TC19TOX, TC19MSOS, TC12TOX-2, TC12MSOS-2, TC12MTIO, TC19MTIO, TC12MTIO-2
DEDTSR5	Dust-Tight Kellems Grips #5 for Armored Tube Cables	TC19TP2-1, TC19TRC-1, TC19TOX-2, TC19MSOS-2, TC19MTIO-4, TC24TRC, TC24TOX

LIQUID-TIGHT KELLEMS GRIPS ORDERING INFORMATION

PART NUMBER	DESCRIPTION	USED FOR
DELTKG1	Liquid-Tight Kellems Grips #1 for Non-Armored Tube Cables; Adapter Bushing Separately	- TC07TOX, TC07MSOS, TC07MTIO - (plus order DE02TOX) TC02TOX, TC02MSOS, TC02MTIO - (plus order DE04TOD) TC04TOD, TC04MSOS, TC04MTIO
DELTKG2	Liquid-Tight Kellems Grips #2 for Armored Tube Cables	TC02MTIO-4, TC02TOX-2, TC02MSOS-2
DELTKG3	Liquid-Tight Kellems Grips #3 for Armored Tube Cables	TC04TOD-2, TC04MSOS-2, TC04MTIO-4
DELTKG4	Liquid-Tight Kellems Grips #4 for Non-Armored Tube Cables	TC19MSOS
DELTKG5	Liquid-Tight Kellems Grips #5 for Armored Tube Cables	- TC07TOX-2, TC07MSOS-2, TC07MTIO-4 - (plus order DE12TOX) TC12TOX, TC12MSOS, TC12MTIO
DELTKG6	Liquid-Tight Kellems Grips #6 for Armored Tube Cables	- TC19TOX, TC19MTIO - (plus order DE12TOX) TC12TOX-2, TC12MSOS-2, TC12MTIO-4
DELTKG7	Liquid-Tight Kellems Grips #7 for Armored and Non-Armored Tube Cables	TC24TOX, TC24MSOS, TC19TOX-2, TC19MSOS-2, TC19MTIO-4

BUSHING AND END CAPS ORDERING INFORMATION

PART NUMBER	DESCRIPTION	USED FOR
DE02TOX	Adapter Bushing for 2-Tube Cable	Tapered Rubber Insert for Installing 2-Tube Cable Designs in Liquid-Tight Kellems Grip: DELTKG1
DE04TOD	Adapter Bushing for 4-Tube Cable	Tapered Rubber Insert for Installing 4-Tube Cable Designs in Liquid-Tight Kellems Grip: DELTKG1
DE12TOX	DELTKG5 plus order DE12TOX; Adapter Bushing separately	Tapered Tapered Rubber Insert for Installing 12-Tube Cable Designs in Liquid-Tight Kellems Grip: DELTKG5 (plus order DE12TOX)
DE24TOX	Adapter Bushing for 24-Tube Cable	Tapered Rubber Insert for Installing 24-Tube Cable Designs in Liquid-Tight Kellems Grip: DELTKG7
DE5KCAP	End Caps for DELTKG1	Aluminum Discs for Sealing Unoccupied Liquid-Tight Kellems Grips: DELTKG1
DE6KCAP	End Caps for DELTKG2, 3, 5 and 6	Aluminum Discs for Sealing Unoccupied Liquid-Tight Kellems Grips: DELTKG2; DELTKG3; DELTKG5; DELTKG6
DE7KCAP	End Caps for DELTKG7	Aluminum Discs for Sealing Unoccupied Liquid-Tight Kellems Grips: DELTKG7

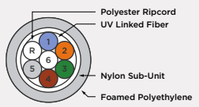
HEAT SHRINKABLE CABLE ENTRY SEAL (NO STRAIN) ORDERING INFORMATION

PART NUMBER	DESCRIPTION
DECES3	Heat Shrinkable Seal for 2, 4, and 7-Tube Cables
DECES4	Heat Shrinkable Rubber Boot, O-ring, and nylon nut fitting used to secure indoor-rated tube cables to an indoor TDU enclosure only
DECES5	Heat Shrinkable Seal for 24-Tube Cables

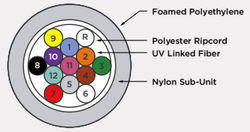
Step 2 – Install the Fiber Bundle

FIBER COUNTS

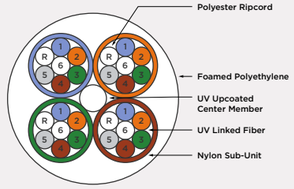
Single-Fiber Bundle Series



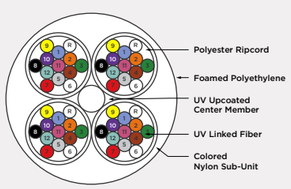
6ct Fiber Bundle



12ct Fiber Bundle

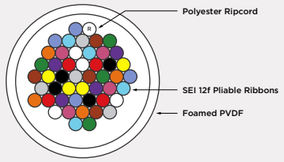


24ct Fiber Bundle

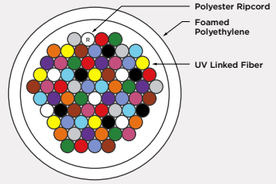


48ct Fiber Bundle

Freeform Ribbon™ Fiber Bundle Series



48ct Fiber Bundle

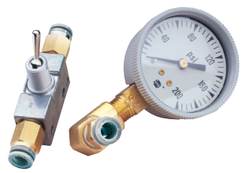


72ct Fiber Bundle

How are fiber bundles installed?

Blowing equipment and accessories are required to properly install the fiber bundle through the tube cable pathway.

Blowing equipment is rented by a Licensed Installer or Licensed End User for installing the fiber bundle.



BEPT001

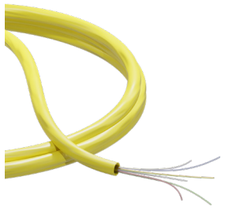
BEREG02

BE35MFT

BE2MFT

BE3MFT

BE200



OS2 Single-Mode Fiber Bundles

These fiber bundles are designed for installation into the FutureFLEX® Air-Blown Fiber® tube cable infrastructure. They can be used in indoor and outdoor applications.

FEATURES

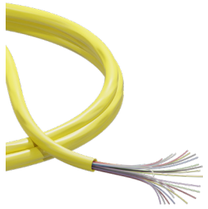
- Up to 48 Fibers per Bundle
- Industry Standard Low Water Peak Single-Mode Optical Fiber
- Fibers Individually Color-Coded per TIA Standards
- Yellow Aerodynamic Jacket Allows Long Distance Blows
- Ripcords for Easy Bundle Entry
- UL-Listed for use with Fire-Rated Tube Cables
- Meets ICEA, TIA, and UL Standards

SPECIFICATIONS

PROPERTY	SPECIFICATION
Fiber Bundle Jacket Material	Polyethylene Extruded Foam (PEF)
Fiber Bundle Jacket Color	Yellow
Core Diameter	8.3 µm
Core / Cladding Offset	≤ 0.4 µm
Cladding Diameter	125 µm
Maximum Attenuation at 1310 / 1550 nm	0.4 / 0.3 dB/km
Group Index of Refraction	1310 nm: 1.466 1550 nm: 1.467 1625 nm: 1.47
Fiber Bundle Minimum Bend Radius	1.5 in (38.1 mm)

ORDERING INFORMATION

PART NUMBER	FIBER TYPE	DESCRIPTION	O.D.		MAX WEIGHT	MAX LENGTH (600 BOBBIN)
			IN	MM	LBS/KFT	FT
FB06SX	SM OS2	Single-Mode 6-Fiber	0.08	2.0	1.3	40,000
FB12SXS	SM OS2	Single-Mode 12-Fiber	0.08	2.1	1.9	39,000
FB24SX	SM OS2	Single-Mode 24-Fiber	0.12	3.0	3.4	15,700
FB48SX	SM OS2	Single-Mode 48-fiber	0.15	3.7	5.6	10,900



OS2 Single-Mode Freeform Ribbon™ Fiber Bundles

The Freeform Ribbon™ design (FPxxPVS) bundles uses Sumitomo Electric Lightwave's patented 12-fiber pliable ribbon constructed of 250µm color-coded optical fibers known as Freeform Ribbon™.

The Freeform Ribbon™ allows for compact fiber bundle construction without the need for nylon subunits which makes the preparation and termination process much easier and faster compared to the legacy design (FBxxSX/SXS). Additionally, with 12ct Freeform Ribbon™, fusion splicing can be done with 12 fibers at once compared to only one fiber at a time for the legacy versions, again, saving valuable time and overall termination costs. With the Freeform Ribbon™ design fiber bundle, the choice of termination is now expanded to ribbon fibers, non ribbonized fibers, MPO and other standard connectors.

SPECIFICATIONS

PROPERTY	SPECIFICATION
Fiber Bundle Jacket Material	Polyvinylidene Fluoride (PVDF)
Fiber Bundle Jacket Color	Yellow
Core Diameter	8.3 µm
Core / Cladding Offset	≤ 0.4 µm
Cladding Diameter	125 µm
Maximum Attenuation at 1310 / 1550 nm	0.4 / 0.3 dB/km
Group Index of Refraction	1310 nm: 1.466 1550 nm: 1.467 1625 nm: 1.47
Fiber Bundle Minimum Bend Radius	1.5 in (38.1 mm)

ORDERING INFORMATION

PART NUMBER	FIBER TYPE	DESCRIPTION	O.D.		MAX WEIGHT	MAX LENGTH (600 BOBBIN)
			IN	MM	LBS/KFT	FT
FP48PVS	SM OS2	Single-Mode 48-Fiber	0.12	3.1	5.2	9,800
FP72PVS	SM OS2	Single-Mode 72-Fiber	0.15	3.7	6.0	9,800

BELUBE8

BESPG01

BESRG20

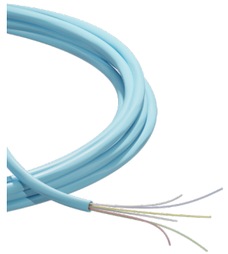
Blowing Accessories

Blowing accessories to maximize FP72PVS and FP48PVS blowing distance.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	UOM
BELUBE8	Tube Cable Lubricant (8 fl oz / 240 ml) Squeeze Bottle; For Up to 10,000 ft. Tube Distance	EA
BESPG01	Sponges for Spreading Lubricant (5-8 mm); Pack of 100	PK
BESRG20	Polypropylene Syringe (20 ml)	EA

**Must use BELUBE8, BESPG01, and BESRG20 for the best blowing performance*



OM1 Multi-Mode 62.5µm Fiber Bundles

These small-fiber bundles are designed for installation into the FutureFLEX® Air-Blown Fiber® tube cable infrastructure. Operating wavelengths are 850 and 1300 nm. They can be used in indoor and outdoor installations.

FEATURES

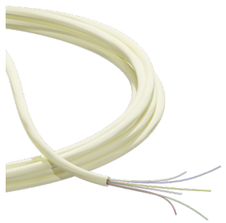
- Up to 48 Fibers per Bundle
- Industry Standard 62.5µm Graded-Index Multi-Mode Optical Fiber
- Fibers Individually Color-Coded per TIA Standards
- Blue Aerodynamic Jacket Allows Long Distance Blows
- Ripcords for Easy Bundle Entry
- UL-Listed for use with Fire-Rated Tube Cables
- Meets ICEA, TIA, and UL Standards
- Meets IEEE 802.3z Gigabit Ethernet Standard

SPECIFICATIONS

PROPERTY	SPECIFICATION
Fiber Bundle Jacket Material	Polyethylene Extruded Foam (PEF)
Fiber Bundle Jacket Color	Blue
Core Diameter	62.5 µm
Cladding Diameter	125 µm
Buffer / Acrylate Diameter	250 µm
Maximum Attenuation at 850 / 1300 nm	< 3.5 / 1.5 dB/km
Fiber Bandwidth at 850 / 1300 nm	≥ 220 / 600 MHz-km
Group Index of Refraction	850 nm: 1.496 1300 nm: 1.491
Fiber Bundle Minimum Bend Radius	1.5 in (38.1 mm)

ORDERING INFORMATION

PART NUMBER	FIBER TYPE	DESCRIPTION	O.D.		MAX WEIGHT	MAX LENGTH (600 BOBBIN)
			IN	MM	LBS/KFT	FT
FB06M6	62.5/125 OM1	Multi-Mode 6-Fiber	0.08	2.0	1.3	40,000
FB12M6S	62.5/125 OM1	Multi-Mode 12-Fiber	0.08	2.0	3.4	39,000
FB24M6	62.5/125 OM1	Multi-Mode 24-Fiber	0.12	3.0	3.4	15,700
FB48M6	62.5/125 OM1	Multi-Mode 48-Fiber	0.15	3.7	5.6	10,900



OM2 Multi-Mode 50µm Fiber Bundles

These small-fiber bundles are designed for installation into the FutureFLEX® Air-Blown Fiber® tube cable infrastructure. Operating wavelengths are 850 and 1300 nm. They can be used in indoor and outdoor applications.

FEATURES

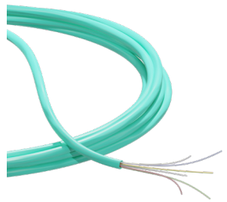
- Up to 48 Fibers per Bundle
- Industry Standard 50µm Graded-Index Multi-Mode Optical Fiber
- Fibers Individually Color-Coded per TIA Standards
- White Aerodynamic Jacket Allows Long Distance Blows
- Ripcords for Easy Bundle Entry
- UL-Listed for use with Fire-Rated Tube Cables
- Meets ICEA, TIA and UL Standards
- Meets IEEE 802.3z Gigabit Ethernet Standard

SPECIFICATIONS

PROPERTY	SPECIFICATION
Fiber Bundle Jacket Material	Polyethylene Extruded Foam (PEF)
Fiber Bundle Jacket Color	White
Core Diameter	50 µm
Cladding Diameter	125 µm
Buffer / Acrylate Diameter	250 µm
Maximum Attenuation at 850 / 1300 nm	< 3.5 / 1.5 dB/km
Fiber Bandwidth at 850 / 1300 nm	≥ 500 / 500 MHz-km
Group Index of Refraction	850 nm: 1.483 1300 nm: 1.479
Fiber Bundle Minimum Bend Radius	1.5 in (38.1 mm)

ORDERING INFORMATION

PART NUMBER	FIBER TYPE	DESCRIPTION	O.D.		MAX WEIGHT	MAX LENGTH (600 BOBBIN)
			IN	MM	LBS/KFT	FT
FB06M5	50/125 OM2	Multi-Mode 6-Fiber	0.08	2.0	1.3	40,000
FB12M5S	50/125 OM2	Multi-Mode 12-Fiber	0.08	2.0	3.4	39,000
FB24M5	50/125 OM2	Multi-Mode 24-Fiber	0.12	3.0	3.4	15,700
FB48M5	50/125 OM2	Multi-Mode 48-Fiber	0.15	3.7	5.6	10,900



OM3/OM4 Multi-Mode 50µm Fiber Bundles

These small-fiber bundles are designed for installation into the FutureFLEX® Air-Blown Fiber® tube cable infrastructure. Operating wavelengths are 850 and 1300 nm. They can be used in indoor and outdoor installations.

FEATURES

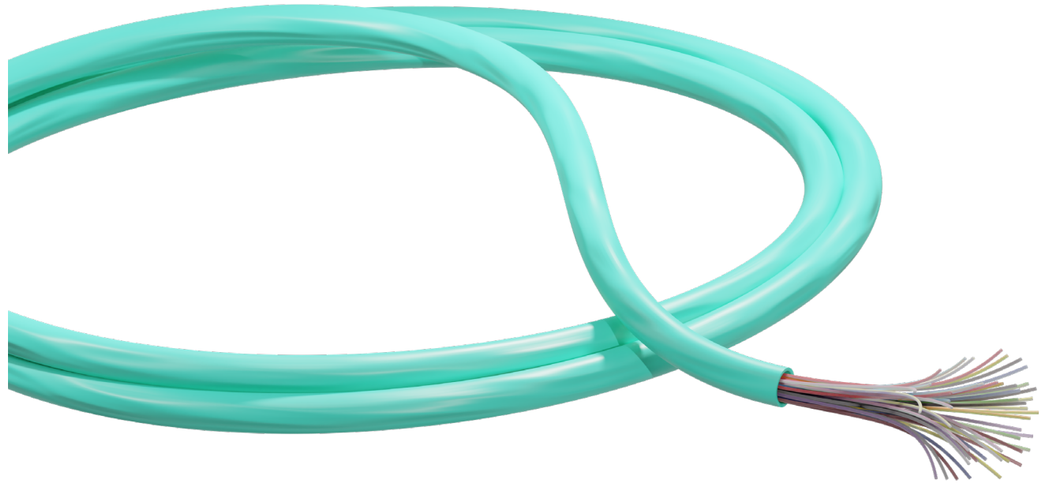
- Up to 48 Fibers per Bundle
- Industry Standard OM3 and OM4
- Fibers Individually Color-Coded per TIA Standards
- Aqua Aerodynamic Jacket Allows Long Distance Blows
- Ripcords for Easy Bundle Entry
- UL-Listed for use with Fire-Rated Tube Cables
- Meets ICEA, TIA, and UL Standards
- Meets IEEE 802.3z Gigabit Ethernet Standard
- Gigabit Laser Optimized 50/125 Multi-Mode

SPECIFICATIONS

PROPERTY	SPECIFICATION	
Fiber Bundle Jacket Material	Polyvinylidene Fluoride (PVDF)	
Fiber Bundle Jacket Color	Aqua	
Core Diameter	50 µm	
Cladding Diameter	125 µm	
Buffer / Acrylate Diameter	250 µm	
Maximum Attenuation at 850 / 1300 nm	< 3.5 / 1.5 dB/km	
Fiber Bandwidth at 850 nm / 1300 nm	> 500 / 500 MHz-km	
Minimum Bandwidth (Overfilled)	850 nm	1500 / 3500 MHz*km
	1300 nm	500 / 500 MHz*km
Laser EMB at 850 nm (MHz*km)	850 nm	2000 / 4700 m
	1300 nm	500 / 500 m
Group Index of Refraction	850 nm	1.483
	1300 nm	1.479
Operation Temperature Range	-40°F to +158°F (-40ºC to +70ºC)	
Fiber Bundle Minimum Bend Radius	1.5 in (38.1 mm)	

ORDERING INFORMATION

PART NUMBER	FIBER TYPE	DESCRIPTION	O.D.		MAX WEIGHT	MAX LENGTH (600 BOBBIN)
			IN	MM	LBS/KFT	FT
FB06G53	50/125 OM3	10 Gb 300 Meter Multi-Mode 6-Fiber	0.08	2.0	0.4	40,000
FB12G53S	50/125 OM3	10 Gb 300 Meter Multi-Mode 12-Fiber	0.08	2.0	3.4	39,000
FB24G53	50/125 OM3	10 Gb 300 Meter Multi-Mode 24-Fiber	0.12	3.0	3.4	15,700
FB48G53	50/125 OM3	10 Gb 300 Meter Multi-Mode 48-Fiber	0.15	3.7	5.6	10,900
FB06G55	50/125 OM4	10 Gb 550 Meter Multi-Mode 6-Fiber	0.08	2.0	0.4	40,000
FB12G55S	50/125 OM4	10 Gb 550 Meter Multi-Mode 12-Fiber	0.08	2.0	3.4	39,000
FB24G55	50/125 OM4	10 Gb 550 Meter Multi-Mode 24-Fiber	0.12	3.0	3.4	15,700
FB48G55	50/125 OM4	10 Gb 550 Meter Multi-Mode 48-Fiber	0.15	3.7	5.6	10,900



OM3/OM4 Multi-Mode 50µm Freeform Ribbon™ Fiber Bundles

The Freeform Ribbon™ design (FP72PVx) uses durable Polyvinylidene Fluoride (PVDF) material for the jacket and Sumitomo Electric Lightwave's patented 12-fiber pliable ribbon, which is constructed of 250µm color-coded optical fibers known as Freeform Ribbon™.

Freeform Ribbon™ allows for compact fiber bundle construction without the need for nylon subunits which makes the preparation and termination process easier and faster compared to the legacy design (FBxxG5x/G5xS). Additionally, with 12ct Freeform Ribbon™, fusion splicing can be done with 12 fibers at once compared to only one fiber at a time for legacy versions, saving valuable time and overall termination costs. With the Freeform Ribbon™ design fiber bundle, the choice of termination is now expanded to ribbon fibers, non-ribbonized fibers, MPO and other standard connectors.

FEATURES

- Up to 72 Fibers per Bundle
- Industry Standard OM3 and OM4
- Fibers Individually Color-Coded per TIA Standards
- Aqua Aerodynamic Jacket Allows Long Distance Blows
- Ripcords for Easy Bundle Entry
- UL-Listed for use with Fire-Rated Tube Cables
- Meets ICEA, TIA, and UL Standards
- Meets IEEE 802.3z Gigabit Ethernet Standard
- Gigabit Laser Optimized 50/125 Multi-Mode

BELUBE8

BESPG01

BESRG20

SPECIFICATIONS

PROPERTY	SPECIFICATION	
Fiber Bundle Jacket Material	Polyvinylidene Fluoride (PVDF)	
Fiber Bundle Jacket Color	Aqua	
Core Diameter	50 µm	
Cladding Diameter	125 µm	
Buffer / Acrylate Diameter	250 µm	
Maximum Attenuation at 850 / 1300 nm	< 3.5 / 1.5 dB/km	
Minimum Bandwidth (Overfilled)	850 nm	1500 / 3500 MHz*km
	1300 nm	500 / 500 MHz*km
Laser EMB at 850 nm (MHz*km)	850 nm	2000 / 4000 m
	1300 nm	500 / 500 m
Group Index of Refraction	850 nm	1.483
	1300 nm	1.479
Operation Temperature Range	-40°F to +158°F (-40ºC to +70ºC)	
Fiber Bundle Minimum Bend Radius	1.5 in (38.1 mm)	

ORDERING INFORMATION

PART NUMBER	FIBER TYPE	DESCRIPTION	O.D.		MAX WEIGHT	MAX LENGTH (600 BOBBIN)
			IN	MM	LBS/KFT	FT
FP72PV3	50/125 OM3 (Indoor Only)	10 Gb 300 Meter Multi-Mode 72-Fiber	0.16	4.1	7.88	10,000
FP72PV4	50/125 OM4 (Indoor Only)	10 Gb 300 Meter Multi-Mode 72-Fiber	0.16	4.1	7.88	10,000

BLOWING ACCESSORIES

Blowing Accessories to Maximize FP72PV3 and FP72PV4 blowing distance.

PART NUMBER	DESCRIPTION	UOM
BELUBE8	Tube Cable Lubricant (8 fl oz / 240 ml) Squeeze Bottle. For up to 10,000 ft. Tube Distance	EA
BESPG01	Sponges for Spreading Lubricant (5-8 mm); Pack of 100	PK
BESRG20	Polypropylene Syringe (20 ml)	EA
BE4MFT	Blowing Tip (72-Fiber Bundle); Blue	EA
FT72FBK-12MU	72-Fiber Bundle Breakout Kit MM (w/ 3 mm Tubing for 6x12F Breakout Kit; for use w/ FOX Splice Cassettes or Lynx-CustomFit™ MPO Splice-On Connectors)	EA

**Must use BELUBE8, BESPG01, and BESRG20 for the best blowing performance*

OM5 Multi-Mode 50µm Fiber Bundles

These small-fiber bundles are designed for installation into the FutureFLEX® Air-Blown Fiber® tube cable infrastructure. Operating wavelengths are 850 and 1300 nm. They can be used in indoor and outdoor installations.

FEATURES

- Up to 48 Fibers per Bundle
- Industry Standard OM5
- Fibers Individually Color-Coded per TIA Standards
- Lime Aerodynamic Jacket Allows Long Distance Blows
- Ripcords for Easy Bundle Entry
- UL-Listed for use with Fire-Rated Tube Cables
- Meets ICEA, TIA and UL Standards
- Meets IEEE 802.3z Gigabit Ethernet Standard
- Gigabit Laser Optimized 50/125 Multi-Mode

SPECIFICATIONS

PROPERTY	SPECIFICATION	
Fiber Bundle Jacket Material	Polyethylene Extruded Foam (PEF)	
Fiber Bundle Jacket Color	Lime	
Core Diameter	50 µm	
Cladding Diameter	125 µm	
Buffer / Acrylate Diameter	250 µm	
Maximum Attenuation at 850 / 1300 nm	< 2.4 / 0.6 dB/km	
Fiber Capacity	100 Gbps WDM	150 M
	40 Gbps WDM	440 M
	40 GBASE-SR4/100GBASE-SR4	200 M
Overfilled Modal Bandwidth (OFL)	850 nm	≥ 3500 MHz.km
	953 nm	≥ 1850 MHz.km
	1300 nm	≥ 500 MHz.km
Effective Modal Bandwidth (EMB)	850 nm	≥ 4700 MHz.km
	1300 nm	≥ 2470 MHz.km
Fiber Bundle Minimum Bend Radius	1.5 in (38.1 mm)	

ORDERING INFORMATION

PART NUMBER	FIBER TYPE	DESCRIPTION	O.D.		MAX WEIGHT	MAX LENGTH (600 BOBBIN)
			IN	MM	LBS/KFT	FT
FB06G5W	50/125 OM5	Multi-Mode 6-Fiber	0.08	2.0	0.4	40,000
FB12G5W	50/125 OM5	Multi-Mode 12-Fiber	0.08	2.0	3.4	39,000
FB24G5W	50/125 OM5	Multi-Mode 24-Fiber	0.12	3.0	3.4	15,700
FB48G5W	50/125 OM5	Multi-Mode 48-Fiber	0.15	3.7	5.6	10,900

BE200

BEPT001

BE2MFT (red);
BE3MFT (black);
BE35MFT (green)

BEREG02

BEPT0S

Blowing Equipment and Accessories

SEL's cable blowing head is used to blow the compact fiber optic bundles through the tube cable on a stream of air or nitrogen gas. Installation is completely stress-free, eliminating the damage that can occur when traditional fiber is pulled through the network.

FEATURES

- System consists of a payoff stand on which reels of fiber bundles are placed; a blowing head used to direct the fiber bundles
- Air source is either compressed air or bottles of compressed nitrogen
- Pressure regulator with 0-200 psi output pressure
- Fiber bundles are blown at rates up to 150 feet per minute - speed is controlled by air flow rate through motor

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
	BLOWING HEAD RENTAL KIT
BE200LRM	Blowing Head Kit, Monthly Rental
BE200LRS	Blowing Head Kit, Semi-Annual Rental
BE200LRY	Blowing Head Kit, Yearly Rental (Long Reel for 72-Fiber Bundle and/or Fiber Bundle Extended Length)
	BLOWING HEAD ACCESSORIES
BE02DW	Blowing Head Drive Wheels (for 2, 4, 6, or 12-Fiber Single Sub-unit Bundle); Red
BE02SL	Blowing Head Seal (for 2, 4, 6, or 12-Fiber Single Sub-unit Bundle); Black
BE03DW	Blowing Head Drive Wheels (for 12 Legacy, 18, 24, 48, or 72-Fiber Bundle); Black
BE03SL	Blowing Head Seal (for 12 Legacy, 18, or 24-Fiber Bundle); Black
BE04SL	Blowing Head Seal (for 48 or 72-Fiber Bundle); Black
BE08CTB	BB Catcher (with 8 mm Fittings)
BE2MFT	Reusable, Threaded, Aluminum Tip (for Installing 2, 4, 6, or 12-Fiber Bundle); Red
BE3MFT	Reusable, Threaded, Aluminum Tip (for Installing for 24-Fiber Bundle); Black
BE35MFT	Reusable, Threaded, Aluminum Tip (for Installing 48 or 72-Fiber Bundle); Green
BEPT001	Tube Testing Kit for Pressure and Obstruction Tests
BEPT0S	Pressure Test Switch
BEBB01P	Plastic Beads (5 mm) for Obstruction Testing; Pack of 100
BEPTGA	Test Gauge – Handheld Pressure Gauge (with 8 mm Fitting) for Tube Pressure Testing
BEBB40P	Plastic Beads (4 mm) for Obstruction Testing of TCxxTP2 Series
BEREG02	Single-Stage Nitrogen Tank Regulator (0-200 psi)
BEISOV1	Dual-Tank Isolation Valve Kit for Using Two Nitrogen Bottles
BEREGCA	Regulator Adapter for Compressed Air Cylinders
	TUBE CUTTER
BETC001	Tube Cutter
BETC00B	Replacement Blade for Tube Cutter
BETLL03	Tube Cable Cutter (Replaced BETL01 and BETL02)

** Blowing head kits are leased only to Sumitomo Electric Lightwave licensed installers. Minimum order quantities may apply. Please contact Inside Sales for further information.*

Step 3 – Terminate the Fiber Bundles at Fiber Termination Units

FT04RU12P

Fiber Termination units are available in a variety of both application uses (i.e., wall mount or rack mount) as well as size, depending on the fiber count or density at the termination point.

There are also options for how to terminate the fiber bundles, including:

Fusion Splice-On Connectors

- Lynx-CustomFit™ Fusion Splice-On Connector
- Available in both single connectors (LC, SC, ST, etc.) and MPO
- Fibers are typically furcated prior to terminating to the connector of choice to ensure adequate protection (FTFLD & FTFBK products)

Interconnect Panels (Bulkheads)

PrecisionFlex® FOX Splice Cassette

Fusion Splice to Pre-Terminated Fan-Out or Pigtails

- Fan-out is a 12ct ribbon to individual connectors (LC, SC, ST, etc.)

Fiber Bundle Breakout Kit

Pigtail

Fusion Splice Directly in Back of Cassette (i.e., SEL's PrecisionFlex® FOX Splice Cassettes)

Q102-M12+

Quantum Fusion Splicers

SEL is an industry leader in fusion splicing and connectivity. For any fusion splicing needs, rely on the durability and dependability of a Quantum Fusion Splicers. Purchase or rent our fusion splicer in 2- or 4-week increments.

Tapered Bushings:
FT2MFB (Red),
FT3MFB (Black),
FT4MFB (Gray)

Fiber Termination Accessories

Designed for seamless integration into wall-mount or rack-mount cabinets, these fiber termination accessories are crafted to optimize performance and durability in demanding environments.

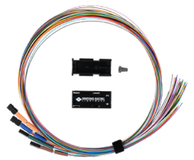
FEATURES

- Our accessory lineup includes essential items such as tapered bushings, pigtails, and breakout.
- Designed for easy integration, our accessories streamline the termination process, reducing installation time and minimizing operational disruptions.

ORDERING INFORMATION

Tapered Bushings

Tapered Bushings securely seal the open ends of occupied tubes at fiber termination points, ensuring reliable protection and maintaining optimal connection integrity.



FT48FBK

FT72FBK-12SU

PART NUMBER	DESCRIPTION	COLOR
FT2MFB	Tapered Bushing (for 2, 4, or 6-Fiber Bundle)	Red
FT3MFB	Tapered Bushing (for 12, 18, or 24-Fiber Bundle)	Black
FT4MFB	Tapered Bushing (for 48 or 72-Fiber Bundle)	Gray

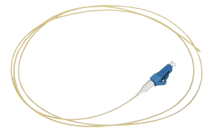
Fiber Bundle Breakout Kits

Fiber Bundle Breakout Kits offer easy loading and provide permanent protection as the fibers transitioned from the fiber bundle to the individual 900 µm color-coded furcation tubes. Each tube provides ample length for proper routing within any enclosure.

PART NUMBER	DESCRIPTION	TUBE LENGTH
	900 µm TUBING	
FT06FBK	6-Fiber Bundle Breakout Kit (w/ 900 µm Tubing)	24 in (610 mm)
FT12FBK	12-Fiber Bundle Breakout Kit (w/ 900 µm Tubing)	24 in (610 mm)
FT24FBK	24-Fiber Bundle Breakout Kit (w/ 900 µm Tubing)	36 in (914 mm)
FT48FBK	48-Fiber Bundle Breakout Kit (w/ 900 µm Tubing)	36 in (914 mm)
FT72FBK	72-Fiber Bundle Breakout Kit (w/ 900 µm Tubing)	36 in (914 mm)
	3 MM TUBING	
FT48FBK-12SU	48-Fiber Bundle Breakout Kit SM (w/ 3 mm Tubing for 4 x 12F Breakout Kit; for use w/ FOX Splice Cassettes or Lynx-CustomFit™ MPO Splice-On Connectors)	36 in (914 mm)
FT48FBK-12MU	48-Fiber Bundle Breakout Kit MM (w/ 3 mm Tubing for 4 x 12F Breakout Kit; for use w/ FOX Splice Cassettes or Lynx-CustomFit™ MPO Splice-On Connectors)	36 in (914 mm)
FT72FBK-12SU	72-Fiber Bundle Breakout Kit SM (w/ 3 mm Tubing for 6 x 12F Breakout Kit; for use w/ FOX Splice Cassettes or Lynx-CustomFit™ MPO Splice-On Connectors)	36 in (914 mm)
FT72FBK-12MU	72-Fiber Bundle Breakout Kit MM (w/ 3 mm Tubing for 6 x 12F Breakout Kit; for use w/ FOX Splice Cassettes or Lynx-CustomFit™ MPO Splice-On Connectors)	36 in (914 mm)

Ribbon Fiber Accessories

PART NUMBER	DESCRIPTION
FPS-6	40 mm Splice Protection Sleeves Featuring Glass Ceramic Strength Member, Designed for Mass/ Ribbon (2-12 Fiber) Splicing; GR Compliant.
MA-2-KIT	Mid-Span Ribbon Access Kit (for De-Ribbonizing Freeform Ribbon™ Fiber Bundles)



FT01SLC1M

Pigtails

Each pigtail consists of a short length of 900µm tight-buffer fiber with a factory-installed connector on one end and an exposed fiber on the other. This design allows for quick and easy splicing to another fiber or cable, ensuring a secure and efficient connection.

FEATURES

- **High-Quality Connectors:** Available in LC, SC, ST, FC, and more to meet specific requirements.
- **Breakout Length:** 36 inches (915 mm) breakout length for easy installation.

PART NUMBER	CONNECTOR TYPE	FIBER MODE	LENGTH
		SIMPLEX PIGTAILS	
FT01SFC1M	FC	Single-Mode OS2	1 m (3.3 ft)
FT01SFA1M	FC APC	Single-Mode OS2	1 m (3.3 ft)
FT01SLC1M	LC	Single-Mode OS2	1 m (3.3 ft)
FT01SSC1M	SC	Single-Mode OS2	1 m (3.3 ft)
FT01SSA1M	SC APC	Single-Mode OS2	1 m (3.3 ft)
FT01SST1M	ST	Single-Mode OS2	1 m (3.3 ft)
FT016LC1M	LC	Multi-Mode OM1 (62.5 µm)	1 m (3.3 ft)
FT016SC1M	SC	Multi-Mode OM1 (62.5 µm)	1 m (3.3 ft)
FT016ST1M	ST	Multi-Mode OM1 (62.5 µm)	1 m (3.3 ft)
FT01MLC1M	LC	Multi-Mode OM2 (50 µm)	1 m (3.3 ft)
FT01MSC1M	SC	Multi-Mode OM2 (50 µm)	1 m (3.3 ft)
FT01MST1M	ST	Multi-Mode OM2 (50 µm)	1 m (3.3 ft)
FT013LC1M	LC	Multi-Mode OM3 (50 µm) (300 m)	1 m (3.3 ft)
FT013SC1M	SC	Multi-Mode OM3 (50 µm) (300 m)	1 m (3.3 ft)
FT015LC1M	LC	Multi-Mode OM4 (50 µm) (550 m)	1 m (3.3 ft)
FT015SC1M	SC	Multi-Mode OM4 (50 µm) (550 m)	1 m (3.3 ft)
		6-FIBER PIGTAILS	
FT06SFC2M	FC	Single-Mode OS2	2 m (6.6 ft)
FT06SFA2M	FC APC	Single-Mode OS2	2 m (6.6 ft)
FT06SLC2M	LC	Single-Mode OS2	2 m (6.6 ft)
FT06SSC2M	SC	Single-Mode OS2	2 m (6.6 ft)
FT06SSA2M	SC APC	Single-Mode OS2	2 m (6.6 ft)
FT06SST2M	ST	Single-Mode OS2	2 m (6.6 ft)
FT066LC2M	LC	Multi-Mode OM1 (62.5 µm)	2 m (6.6 ft)
FT066SC2M	SC	Multi-Mode OM1 (62.5 µm)	2 m (6.6 ft)
FT066ST2M	ST	Multi-Mode OM1 (62.5 µm)	2 m (6.6 ft)
FT06MLC2M	LC	Multi-Mode OM2 (50 µm)	2 m (6.6 ft)
FT06MSC2M	SC	Multi-Mode OM2 (50 µm)	2 m (6.6 ft)
FT06MST2M	ST	Multi-Mode OM2 (50 µm)	2 m (6.6 ft)
FT063LC2M	LC	Multi-Mode OM3 (50 µm) (300 m)	2 m (6.6 ft)
FT063SC2M	SC	Multi-Mode OM3 (50 µm) (300 m)	2 m (6.6 ft)
FT065LC2M	LC	Multi-Mode OM4 (50 µm) (550 m)	2 m (6.6 ft)
FT065SC2M	SC	Multi-Mode OM4 (50 µm) (550 m)	2 m (6.6 ft)

FT126SC2M

FT24SFC2M

PART NUMBER	CONNECTOR TYPE	FIBER MODE	LENGTH
		12-FIBER PIGTAILS	
FT12SFC2M	FC	Single-Mode OS2	2 m (6.6 ft)
FT12SFA2M	FC APC	Single-Mode OS2	2 m (6.6 ft)
FT12SLC2M	LC	Single-Mode OS2	2 m (6.6 ft)
FT12SSC2M	SC	Single-Mode OS2	2 m (6.6 ft)
FT12SSA2M	SC APC	Single-Mode OS2	2 m (6.6 ft)
FT12SST2M	ST	Single-Mode OS2	2 m (6.6 ft)
FT126LC2M	LC	Multi-Mode OM1 (62.5 µm)	2 m (6.6 ft)
FT126SC2M	SC	Multi-Mode OM1 (62.5 µm)	2 m (6.6 ft)
FT126ST2M	ST	Multi-Mode OM1 (62.5 µm)	2 m (6.6 ft)
FT12MLC2M	LC	Multi-Mode OM2 (50 µm)	2 m (6.6 ft)
FT12MSC2M	SC	Multi-Mode OM2 (50 µm)	2 m (6.6 ft)
FT12MST2M	ST	Multi-Mode OM2 (50 µm)	2 m (6.6 ft)
FT123LC2M	LC	Multi-Mode OM3 (50 µm) (300 m)	2 m (6.6 ft)
FT123SC2M	SC	Multi-Mode OM3 (50 µm) (300 m)	2 m (6.6 ft)
FT125LC2M	LC	Multi-Mode OM4 (50 µm) (550 m)	2 m (6.6 ft)
FT125SC2M	SC	Multi-Mode OM4 (50 µm) (550 m)	2 m (6.6 ft)
		24-FIBER PIGTAILS	
FT24SFC2M	FC	Single-Mode OS2	2 m (6.6 ft)
FT24SFA2M	FC APC	Single-Mode OS2	2 m (6.6 ft)
FT24SLC2M	LC	Single-Mode OS2	2 m (6.6 ft)
FT24SSC2M	SC	Single-Mode OS2	2 m (6.6 ft)
FT24SSA2M	SC APC	Single-Mode OS2	2 m (6.6 ft)
FT24SST2M	ST	Single-Mode OS2	2 m (6.6 ft)
FT246LC2M	LC	Multi-Mode OM1 (62.5 µm)	2 m (6.6 ft)
FT246SC2M	SC	Multi-Mode OM1 (62.5 µm)	2 m (6.6 ft)
FT246ST2M	ST	Multi-Mode OM1 (62.5 µm)	2 m (6.6 ft)
FT24MLC2M	LC	Multi-Mode OM2 (50 µm)	2 m (6.6 ft)
FT24MSC2M	SC	Multi-Mode OM2 (50 µm)	2 m (6.6 ft)
FT24MST2M	ST	Multi-Mode OM2 (50 µm)	2 m (6.6 ft)
FT243LC2M	LC	Multi-Mode OM3 (50 µm) (300 m)	2 m (6.6 ft)
FT243SC2M	SC	Multi-Mode OM3 (50 µm) (300 m)	2 m (6.6 ft)
FT245LC2M	LC	Multi-Mode OM4 (50 µm) (550 m)	2 m (6.6 ft)
FT245SC2M	SC	Multi-Mode OM4 (50 µm) (550 m)	2 m (6.6 ft)

Other Fiber Termination Products

FUSION SPLICER SOLUTIONS

Sumitomo Electric Lightwave's (SEL) optical fusion splicers strive to surpass industry standards when it comes to innovation, speed, and performance. Advancements include patented dual independent ovens that offer unprecedented speeds and improve splicing efficiency by a ground-breaking 80%, and NanoTune™ technology that limits the need for reworks.

Innovation is key. That's why SEL was the first company to introduce the patented breakthrough technology of the MPO Splice-On Connector, which revolutionized on-site connectivity and speed, resulting in lower project costs for network migrations. As the leader in optical fiber and connectivity solutions, customers can expect reliability, flexibility, and high performance. After all, network infrastructure expansion is easy when you use state-of-the-art solutions. Freeform Ribbon™ is the central component to achieve your project goals.

Q102-M12+ Ribbon Fusion Splicer

The new AI-enabled Q102-M12+ with NanoTune™ technology is key to deploying next-generation hyper-scale networks. This future-proof machine has been designed to maximize work efficiency with state-of-the-art technology, including NanoTune™, E-ACAS, dual independent ovens, tool-free replaceable v-grooves, and special coatings. Highly versatile, it easily adapts to 250µm and 200µm ecosystems and is compatible with Lynx-CustomFit™ Splice-On Connectors.

CABLING INNOVATORS AWARDS GOLD HONOREE

SumiCloud™

NanoTune™ Enhanced splice experience

BENEFITS

NanoTune™ utilizes AI technology to reduce the need for splice reworks caused by insufficient fiber preparation. E-ACAS helps align fiber properly on the high precision v-grooves resulting in an impressive 60% reduction in fiber offset errors. Patented coating technology on the v-grooves and camera lenses repels dust and dirt, reducing offsets and making cleaning simple.

FEATURES

- Fast Splicer with 11-Second Splice Time and Dual 28-Second Heaters
- Long Life Battery for 180 Splice and Heater Cycles per Charge
- Long Life Electrodes Up to 1,500 Arcs
- Ruggedized Design for Shock (Drop from 76 cm on 5 faces), Water and Dust Resistant (IP52)
- 5-inch TFT color LCD Monitor, Fully Navigational Touch Screen Monitor

OPTICAL FIBER REQUIREMENTS

PROPERTY	SPECIFICATIONS
Profile Types	SMF (G652); MMF (G651); DSF (G653); NZDSF (G655); BIF(G657)
Fiber Count	1f - 12f
Fiber Pitch	250µm / 200µm
Cladding Dia.	125 µm
Cleave Length	0.39 in (10 mm)

Q102-M12+ STANDARD COMPONENTS KIT

COMPONENTS	
Q102-M12+ Ribbon Fiber Fusion Splicer	25 Ribbon Fiber Splice Protection Sleeves (FPS-6)
Hard Transit Case	Pair of Spare Electrodes (ER-10)
Battery Unit (BU-102)	Cooling Tray
AC Adapter & Power Cord	Pair of 250µm 12-Fiber Holders (FHM-12V)
Auto-rotating Fiber Cleaver (FC-6Rp)	Pair of 250µm Single-Fiber Holders (FHS-025)
Cleaning Kit (FUS-CLN-KIT)	Thermal Jacket Stripper (JR-7)

ORDERING INFORMATION

SPICER KITS

6R+ ROTATING FIBER CLEAVER KIT
TYPE-Q102-M12p-KIT-6Rp1

COMPONENTS

- Q102-M12+ Standard Components

6R+ ROTATING FIBER CLEAVER & OFA-02 RIBBONIZING KIT
TYPE-Q102-M12p-KIT-6Rp3

COMPONENTS

- Q102-M12+ Standard Components
- Glueless Fiber Arrangement Tool (OFA-02)

6R+ ROTATING FIBER CLEAVER & FTA-02 RIBBONIZING KIT
TYPE-Q102-M12p-KIT-6Rp2

COMPONENTS

- Q102-M12+ Standard Components
- Fiber Arrangement Tool (FTA-02)
- Fiber Arrangement Consumable Kit - Pads & Glue for Ribbonizer (FAC-24)

6R+ ROTATING FIBER CLEAVER & Lynx-CustomFit™ MPO SPLICE-ON KIT 2
TYPE-Q102-M12p-KIT-MPO

COMPONENTS

- Q102-M12+ Standard Components
- Lynx-CustomFit™ Carrying Bag
- Pair of 12-Fiber Lynx-CustomFit™ MPO Metal Holders (FHM-12-MPO-MTL)
- Lynx-CustomFit™ SOC Card Prep tool (LYNX2-CORDTOOL-2.0-3.0)
- Lynx-CustomFit™ Fiber Optic Shears (FOS-01)
- Assembly Platform for Lynx-CustomFit™ MPO with Ribbonizer (LYNX2-ATK2-MPO)
- Fiber Arrangement Consumable Kit - Pads & Glue for Ribbonizer (FAC-24)

V-GROOVE KITS

V-GROOVE KIT (200 µm)
SVG01-1220

COMPONENTS

- 200µm V-Groove Block
- Electrodes (ER-10-200)
- Q102-M12+ Electrode Holder
- Pair of 12-Fiber Ribbon Holders for 200 µm Fibers (FHM-12N)

V-GROOVE KIT (250 µm)
SVG01-1225

COMPONENTS

- 250µm V-Groove Block
- Electrodes (ER-10)
- Q102-M12+ Electrode Holder
- Pair of 12-Fiber Ribbon V Shaped Holders for 250 µm Fiber (FHM-12V)

Q102-CA+ Core Alignment Fusion Splicer

The Q102-CA+ is the next generation of industry-leading core alignment fusion splicers, redesigned from the ground up to redefine the industry standard in optical fiber core alignment fusion technology. The Q102-CA+ is equipped with SEL's latest NanoTune™ technology, drastically reducing the need for rework. NanoTune™ uses state-of-the art technology and our unique algorithms to accurately adjust parameters when splicing. NanoTune™ improves your field splice success rate to 90%, thus shortening your work time.

SumiCloud™

NanoTune™
Enhanced splice experience

BENEFITS

The APDS (Auto Fiber Profiling Check and Detection System) recognizes fiber core profiles automatically and perfectly selects the optimal splice program for all fiber types. The HDCM (High Definition Core Monitoring) image processing performs core alignment and splice loss estimation to produce ultra-low loss optical fiber splices and accurate estimated loss. SumiCloud™ is delivers useful services like preventive maintenance, splice data management, report builder, help video, software updates, and more.

FEATURES

- Fast Splicer with 5-second Splice Time and Dual 9-Second Heaters
- Long-Life Battery for 320 Splice and Heater Cycles Per Charge
- Long-Life Electrodes Up to 6,000 Arcs
- Ruggedized Design for Shock (Drop from 76 cm on 5 Faces), Water and Dust Resistant (IP52)
- 5-inch TFT Color LCD Monitor, Fully Navigational Touch Screen Monitor

OPTICAL FIBER REQUIREMENTS

PROPERTY	SPECIFICATIONS
Material	Silica Glass
Profile Type	SMF (G.652); MMF (G.651); DSF (G.653); NZDSF (G.655); BIF (G.657); CSF (G.654); EDF
Fiber Count	1f
Cladding Dia.	80 – 150 µm
Coating Dia.	100 – 1,000 µm
Cleave Length	0.20 - 0.63 in (5 - 16 mm)

Q102-CA+ STANDARD COMPONENTS

COMPONENTS
Q102-CA+ Core Alignment Fusion Splicer
Hard Transit Case
Battery Unit (BU-102)
AC Adapter & Power Cord
Cleaning Kit (FUS-CLN-KIT)
50 Splice Protection Sleeves (FSP-1)
Pair of Spare Electrodes (ER-10)
Jacket Remover (JR-M03)

ORDERING INFORMATION

6S+ SINGLE-FIBER CLEAVER KIT

TYPE-Q102-CAp-KIT-2

COMPONENTS
Q102-CA+ Standard Components
Auto-Rotating Fiber Optic Cleaver (FC-6Sp)

6R+ ROTATING FIBER CLEAVER & HOLDER KIT

TYPE-Q102-CAp-KIT-6RSCp

COMPONENTS
Q102-CA+ Standard Components
Auto-Rotating Fiber Optic Cleaver (FC-6Rp)

8R ROTATING FIBER CLEAVER KIT

TYPE-Q102-CAp-KIT-8R

COMPONENTS
Q102-CA+ Standard Components
Auto-Rotating Fiber Optic Cleaver (FC-8R)

T-56+ Core Alignment Fusion Splicer

SEL's new T-56+ fusion splicer is the latest enhancement to its fusion splicer portfolio. Compact, lightweight, and faster than ever, the T-56+ boasts a 6-second splice time in SM Quick Mode and 15-second heat shrink time.

SumiCloud™

NanoTune™ Enhanced splice experience

FEATURES

- Rapid 6-Second Splice Time
- Rapid 15-Second Heating Time
- Splice Loss 0.02dB
- NanoTune™ Technology
- Sumicloud™ Software Enabled
- Higher Tolerance for Bad Cleaves
- New Touch Screen and User Interface

OPTICAL FIBER REQUIREMENTS

PROPERTY	SPECIFICATIONS
Material	Silica Glass
Profile Type	SMF (G.652); MMF (G.651); DSF (G.653); NZDSF (G.655); BIF (G.657)
Fiber Count	1f
Cladding Dia.	80 – 150µm
Coating Dia.	100 – 1,000µm
Cleave Length	0.20 - 0.63 in (5 - 16 mm)

T-56+ STANDARD COMPONENTS

COMPONENTS
T-56+ Fusion Splicer
Hard Transit Case
Battery Unit (BU-102)
AC Adapter & Power Cord
Cleaning Kit (FUS-CLN-KIT)
50 Splice Protection Sleeves (FPS-1)
Pair of Spare Electrodes (ER-10)
Jacket Remover (JR-M03)

ORDERING INFORMATION

6R+ ROTATING FIBER CLEAVER KIT
TYPE-56p-CA-KIT-6RSCp

COMPONENTS
T-56+ Standard Components
Auto-rotating Fiber Optic Cleaver (FC-6Rp)

6R+ ROTATING FIBER CLEAVER & HOLDER KIT
TYPE-56p-CA-KIT-6RSCpFH

COMPONENTS
T-56+ Standard Components
Auto-rotating Fiber Optic Cleaver (FC-6Rp)
Pair of 250µm Single-fiber Holders (FHS-025)
Pair of 900µm Single-fiber Holders (FHS-09)
Pair of 900µm Loose Buffer Fiber Holders (FHS-025-LB5-SET)

6S+ SINGLE-FIBER CLEAVER & HOLDER KIT
TYPE-56p-CA-KIT-6SCpFH

COMPONENTS
T-56+ Standard Components
Auto-rotating Fiber Optic Cleaver (FC-6Sp)
Pair of 250µm Single-fiber Holders (FHS-025)
Pair of 900µm Single-fiber Holders (FHS-09)
Pair of 900µm Loose Buffer Fiber Holders (FHS-025-LB5-SET)

8R ROTATING FIBER CLEAVER KIT
TYPE-56p-CA-KIT-8R

COMPONENTS
T-56+ Standard Components
Auto-rotating Fiber Optic Cleaver (FC-8R)

8R ROTATING FIBER CLEAVER & HOLDER KIT
TYPE-56p-CA-KIT-8RFH

COMPONENTS
T-56+ Standard Components
Auto-rotating Fiber Optic Cleaver (FC-8R)
Pair of 250µm Single-fiber Holders (FHS-025)
Pair of 900µm Single-fiber Holders (FHS-09)
Pair of 900µm Loose Buffer Fiber Holders (FHS-025-LB5-SET)

Q502S Clad Alignment Fusion Splicer

With new features and new technologies, the Q502S fusion splicer offers improved performance, reliability, and user experience. The Q502S series maintains SEL's industry-leading features, including a world class light and compact frame, quick splicing, and environmental durability. The Q502S is powered by NanoTune™ AI technology, which greatly improves splicing efficiency and accuracy regardless of operational condition and user skill. The Q502S provides accurate estimated loss by HCA (Hot Core Analyzing) technology that analyzes the fiber image and identifies the ideal splice condition during splicing.

BENEFITS

Q502S comes with a highly portable carrying case and a convenient ready-to-use work tray so operators can start splicing immediately after opening the case. Auto core identification automatically distinguishes MMF and SMF fiber types eliminating any guesswork. SumiCloud™ is delivers useful services like preventive maintenance, splice data management, report builder, help video, software updates, and more.

FEATURES

- Fast Splicer with 6-Second Splice Time and 12-Second Heaters
- Long-Life Battery for 250 Splice and Heater Cycles Per Charge
- Long-Life Electrodes Up to 6,000 Arcs
- Ruggedized Design for Shock (Drop from 76 cm on 5 Faces), Water and Dust Resistant (IP52)
- 4.3-inch TFT Color LCD Monitor, Fully Navigational Touch Screen Monitor

OPTICAL FIBER REQUIREMENTS

PROPERTY	SPECIFICATIONS
Material	Silica Glass
Profile Type	SMF (G.652); MMF (G.651); DSF (G.653); NZDSF (G.655); BIF (G.657)
Fiber Count	1f
Cladding Dia.	125 µm
Coating Dia.	250 µm – 3 mm
Cleave Length	0.20 - 0.63 in (5 - 16 mm)

Q502S STANDARD COMPONENTS

COMPONENTS
Q502S Fusion Splicer
Hard Transit Case
Battery Unit (BU-17)
AC Adapter & Power Cord
Cleaning Kit (FUS-CLN-KIT)
50 Splice Protection Sleeves (FPS-1)
Pair of Spare Electrodes (ER-17)
Jacket Remover (JR-M03)
Pair of 250 µm Single-fiber Holders (FHS-025)
Pair of 900 µm Single-fiber Holders (FHS-09)

ORDERING INFORMATION

6S+ SINGLE-FIBER CLEAVER KIT

TYPE-Q502S-KIT-2Hp

COMPONENTS
Q502S Standard Components
Table-Top Optic Cleaver (FC-6Sp)

6R+ ROTATING FIBER CLEAVER KIT

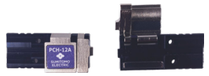
TYPE-Q502S-KIT-6RSCHp

COMPONENTS
Q502S Standard Components
Auto-rotating Fiber Optic Cleaver (FC-6Rp)

8R ROTATING FIBER CLEAVER KIT

TYPE-Q502S-KIT-8RH

COMPONENTS
Q502S Standard Components
Auto-rotating Fiber Optic Cleaver (FC-8R)



FHM-PCH-12A

FHS-200

FHS-025

Fiber Holders

The Sumitomo Fiber Holder series is designed to work with Sumitomo fusion splicers and simplify the process of loading optical fiber correctly in the splicers. These holders perfectly set up various types of fiber ribbon on your splicer to realize multi-purpose ribbon splice.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	COMPATIBLE ITEMS
	12f	
FHM-12V	Pair of 12-Fiber Ribbon V Shaped Holders for 250µm Fiber	Q102-M12+ (250 µm); FC-6R+; FC-8R; JR-7
FHM-12N	Pair of 12-Fiber Ribbon Holders for 200µm Fibers	Q102-M12+ (200 µm); FC-6R+; FC-8R; JR-7
PCH-12A	Pair of 12-Fiber Ribbon Pitch Conversion Holders for 200 µm Fiber	Q102-M12+ (250 µm); FC-6R+; FC-8R; JR-7
PCH-12V	Pair of 12-Fiber Ribbon Pitch Conversion Holders for 200 µm Fiber	Q102-M12+ (250 µm); FC-6R+; FC-8R; JR-7
FHM-12-MPO-MTL	Lynx-CustomFit™ MPO Metal Ferrule Holder	Q102-M12+; Lynx-CustomFit™ MPO
	11f	
FHM-11	Pair of 11-Fiber Ribbon Pitch Conversion Holders for 250µm Fiber	Q102-M12+; FC-6R+; FC-8R; JR-7
	10f	
FHM-10	Pair of 10-Fiber Ribbon Holders for 250µm Fiber	Q102-M12+; FC-6R+; FC-8R; JR-7
	9f	
FHM-9	Pair of 9-Fiber Ribbon Pitch Conversion Holders for 250µm Fiber Fiber Count	Q102-M12+; FC-6R+; FC-8R; JR-7
	8f	
FHM-8	Pair of 8-Fiber Ribbon Holders for 250µm Fiber	Q102-M12+; FC-6R+; FC-8R; JR-7
	7f	
FHM-7	Pair of 7-Fiber Ribbon Pitch Conversion Holders for 250µm FiberFiber Count	Q102-M12+; FC-6R+; FC-8R; JR-7
	6f	
FHM-6	Pair of 6-Fiber Ribbon Holders for 250µm Fiber	Q102-M12+; FC-6R+; FC-8R; JR-7

FHS-09

FHS-025-LB5-SET

PART NUMBER	DESCRIPTION	COMPATIBLE ITEMS
	4f	
FHM-4	Pair of 4-Fiber Ribbon Holders for 250 µm Fiber	Q102-M12+; FC-6R+; FC-8R; JR-7
	5f	
FHM-5	Pair of 5-Fiber Ribbon Pitch Conversion Holders for 250 µm Fiber Fiber Count	Q102-M12+; FC-6R+; FC-8R; JR-7
	3f	
FHM-3	Pair of 3-Fiber Ribbon Pitch Conversion Holders for 250 µm Fiber Fiber Count	Q102-M12+; FC-6R+; FC-8R; JR-7
	2f	
FHM-2	Pair of 2-Fiber Ribbon Pitch Conversion Holders for 250 µm Fiber Fiber Count	Q102-M12+; FC-6R+; FC-8R; JR-7
	1f	
FHS-200	Pair of Single-fiber Ribbon Holders for 200 µm Fiber	All Fusion Splicers; FC-6R+; FC-6S+; FC-8R; JR-7
FHS-025	Pair of Single-fiber Holders for 250 µm Fiber	All Fusion Splicers; FC-6R+; FC-6S+; FC-8R; JR-7
FHS-09	Pair of Single-fiber Holders for 900 µm Fiber	All Fusion Splicers; FC-6R+; FC-6S+; FC-8R; JR-7
FHS-025-LB5-SET	Fiber Holders for 900 µm Loose Buffered Fibers, Set	All Fusion Splicers; FC-6R+; FC-6S+; FC-8R; JR-7
FHS-025-LB5-L	Lynx-CustomFit™ Left Side Holder for 900 µm Loose Tube or 2.0 mm Cord with 900 µm Tubing	All Fusion Splicers; FC-6R+; FC-6S+; FC-8R; JR-7
LYNX-C	Lynx-CustomFit™ Metal Ferrule Side Holder	All Fusion Splicers; Lynx-CustomFit™
LYNX-S	Lynx-CustomFit™ Splice-On Connector Sleeve Side Holder for Single-Fiber Cordage Connectors	All Fusion Splicers; FC-6R+; FC-6S+; JR-7
FHC-3	3.0 mm Cordage, Set	All Fusion Splicers; FC-6R+; FC-6S+; JR-7

OFA-02

Fiber Arrangement Tools

OFA-02 is glue-free-fiber arrangement tool that quickly and effortlessly arranges Single-fibers into ribbons. Compatible with 200 and 250µm fibers. Eliminates adhesive requirement and curing time.

ORDERING INFORMATION

PART NUMBER	FIBER CONSTRUCT	ARRANGEMENT METHOD	COMPATIBLE ITEMS
OFA-02	200 – 250µm	Non-Glue	FHM-12V; FHM-12N; PCH-12A; PCH-12V
FTA-02	250µm	Glue FAC-24	FHM-12V
FTA-03-200	200µm	Glue FAC-24	FHM-12N; PCH-12A; PCH-12V

BU102

PCV-16

ER-10, ER-17

WLSD-0416

Q101-STH-001

Fusion Splicer Accessories

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	COMPATIBLE ITEMS
Batteries & Chargers		
BU-102	Battery Pack, Li-ion 6,400mAh	Q102-M12+; Q102-CA+; T-56+
BC-102	Battery Charger for BU-102	Q102-M12+; Q102-CA+; T-56+
BU-17	Battery Pack, Li-ion 10.8V, 4,560mAh	Q502S
BC-17	Battery Charger for BU-17	Q502S
PCV-16	Car Battery Charger (Cigarette Socket), 33 ft (10 m) Cord	All Fusion Splicers
PC-V25	Car Battery Charger (Cigarette Socket), 6.6 ft (2 m) Cord	All Fusion Splicers
Electrodes		
ER-10	Electrodes	Q102-M12+ (250 µm); Q102-CA+; T-56+
ER-10-200	Electrodes	Q102-M12+ (200 µm)
ER-17	Electrodes	Q502S
SumiCloud™		
WLSD-0416	SumiCloud™ Connection	Q102-M12+; Q102-CA+; Q502S
Platforms & Other		
FAC-24	Fiber Arrangement Consumable Kit	FTA-02; FTA-03-200
TR-01	Tripod	All Fusion Splicers
APF-03-KIT	Aerial Work Platform, Pole Mount Bracket and Bag	All Fusion Splicers
MPF-01	Mini Work Platform	All Fusion Splicers
Q101-STH-001	Two Piece Splice Tray Holder	Q102-M12+; Q102-CA+
CLP-201	Transferring Drop Cable on Working Tray	Q502S
FCT-17	Fiber Cooling Tray	Q502S

FC-6R+

FC-6+ Fiber Cleavers

With the introduction of the FC-6+, you now can have the ultimate precision tool for your single- and ribbon-fiber cleaving with a rotating blade. As part of the FC-6 family of precision fiber cleavers, it is a simple operation for the user to remove or install the single-fiber adapter and alternate between ribbon and single-fiber cleaving.

SPECIFICATIONS

PROPERTY		SPECIFICATIONS	
Part Number		FC-6R+	FC-6S+
One-Action Cleave		Yes	Yes
Applicable to Universal Fiber Count		Yes	N/A
Automatic Blade Rotation		Yes	N/A
Applicable Fiber	Material	Silica Glass	Silica Glass
	Cladding Dia.	125 µm	125 µm
	Fiber Count	1 – 12f	1f
Cleave Length (0.25 mm Dia.)		5 – 20 mm	5 – 20 mm
Cleave Length (0.9 mm Dia.)		10 – 20 mm	10 – 20 mm
Cleave Length (Ribbon)		10 mm	N/A
Cleave Angle (Typical)		0.5°	0.5°
Blade Life		60,000f (2,500f x 24 Positions)	54,000f (2,250f x 24 Positions)
Replacement Blade		FCP-7RBL	FCP-BL

ORDERING INFORMATION

PART NUMBER	ITEM NAME	COMPONENTS
FC-6Rp	6R+ Rotating Fiber Cleaver	Auto-rotating Fiber Optic Cleaver Carrying Case Single-fiber Adapter Fiber Collector
FC-6Sp	6S+ Single-fiber Cleaver	Single-fiber Optic Cleaver Carrying Case Single-fiber Adapter Fiber Collector

FC-8R

FC-8R Fiber Cleavers

FC-8R is a hand-held 1-step fiber cleaver with auto-rotating blade, smart cleave counter and offcut collector, for up to a 12-fiber ribbon. It is the industry's first automatic blade rotation cleaver, and always ensures high precision cleaves. It is the ideal tool for use in fusion splicing, field termination, or any application that requires precision in a confined space.

SPECIFICATIONS

PROPERTY		SPECIFICATIONS	
Part Number		FC-8R	FC-8R-F
One-Action Cleave		Yes	Yes
Automatic Blade Rotation		Yes	Yes
Cleave Counter		Yes	N/A
Applicable Fiber	Material	Silica Glass	Silica Glass
	Cladding Dia.	125 µm	125 µm
	Fiber Count	1 – 12f	1f
Cleave Length (0.25 mm Dia.)		5 – 20 mm	5 – 20 mm
Cleave Length (0.9 mm Dia.)		10 – 20 mm	10 – 20 mm
Cleave Length (Ribbon)		10 mm	N/A
Cleave Angle (Typical)		0.5°	0.5°
Lid Opening Angle		Switchable (Wide / Narrow)	Switchable (Wide / Narrow)
Blade Life		60,000f (2,500f x 24 Positions)	54,000f (2,250f x 24 Positions)
Replacement Blade		FCP-7RBL	FCP-7RBL

ORDERING INFORMATION

PART NUMBER	ITEM NAME	COMPONENTS
FC-8R	8R Fiber Cleaver	Auto-rotating Fiber Optic Cleaver with Cleave Counter Single-fiber Adapter (AP-FC7) Carrying Cases Cleaning Brush Hexagonal Wrench Strap Battery
FC-8R-F	8R Fiber Cleaver (No Cleave Counter)	Auto-rotating Fiber Optic Cleaver with Cleave Counter Single-fiber Adapter (AP-FC7) Carrying Cases Cleaning Brush Hexagonal Wrench Strap

JR-7

JR-7 Thermal Jacket Remover

The JR-7 includes a new ergonomic design with a tough metal lid for durability, Vibration-ready notification, LED light for dark environments, a wide and flat stage for easy setting and cleaning, power save and auto power off functions, and improved blade design to reduce operation force.

SPECIFICATIONS

PROPERTY		SPECIFICATIONS
Applicable Fibers	Coating Material	UV Cured Resin
	Coating Thickness	200 – 400µm
	Cladding Dia.	125 µm
	Removal Length	1.38 in (35 mm)
Temperature Settings		4 Levels (Min. 80˚C to Max. 140˚C)
Fiber Holders		FH Series
Number of Removal Cycles with Battery (Approx.)		600
Replacement Blade		JR-7BL
Replacement Battery		BU-JR6B

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
JR-7	Heated Jacket Remover with AC Adapter & Battery for Single & Ribbon Fiber

JR-M03

JR-M03 Jacket Remover

The JR-M03 is designed to remove 250 and 900 µm fiber coatings and up to 3 mm jacketing insulation.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
JR-M03	Jacket Remover for 250µm, 900µm, and Up to 3 mm Jacketed Single-fibers

FPS-1

Fiber Protection Sleeves

The fusion splice protection sleeves are designed to meet or exceed Telcordia GR-1380-Core. Designed for durability and reliability, the sleeves are constructed with an inner EVA meltable adhesive tube, and a polyolefin heat shrink outer tube. The strength member within the sleeve is made of tempered stainless steel with rounded and polished edges. The tubes are clear to allow viewing the color of the fiber after splicing. The entire assembly is heat bonded to ensure that all members maintain perfect alignment during shipping, handling, and the shrinking process for the best in optical fiber protection.

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	COATING SIZES	DIA. AFTER SHRINK (APPROX.)	LENGTH	STRENGTH MEMBERS	QTY.
FPS-40-10P	1f	200 – 900µm	0.13 in (3.2 mm)	1.57 in (40 mm)	Stainless Steel	10
FPS-40	1f	200 – 900µm	0.13 in (3.2 mm)	1.57 in (40 mm)	Stainless Steel	50
FPS-40-BX	1f	200 – 900µm	0.13 in (3.2 mm)	1.57 in (40 mm)	Stainless Steel	500
FPS-1	1f	200 – 900µm	0.13 in (3.2 mm)	2.36 in (60 mm)	Stainless Steel	50
FPS-1-BX	1f	200 – 900µm	0.13 in (3.2 mm)	2.36 in (60 mm)	Stainless Steel	500
FPS-61-2.6	1f	200 – 900µm	0.1 in (2.6 mm)	2.40 in (61 mm)	Stainless Steel	100
FPS-61-2.6-BX	1f	200 – 900µm	0.1 in (2.6 mm)	2.40 in (61 mm)	Stainless Steel	500
FPS-6-5P	1 – 12f	0.3 mm (thickness)	0.18 x 0.16 in (4.5 x 4.0 mm)	1.57 in (40 mm)	Glass Ceramic	5
FPS-6	1 – 12f	0.3 mm (thickness)	0.18 x 0.16 in (4.5 x 4.0 mm)	1.57 in (40 mm)	Glass Ceramic	25
FPS-6-BX	1 – 12f	0.3 mm (thickness)	0.18 x 0.16 in (4.5 x 4.0 mm)	1.57 in (40 mm)	Glass Ceramic	250

Fusion Cleaning Kits

STANDARD FUSION CLEANING KIT
FUS-CLN-KIT

COMPONENTS
90 Lint Free Cleaning Wipes (FCW-HQ-50)
25 Lint-Free Cotton Swabs (CTSW-PK)
Quick-Evaporating Cleaner (FOC-QE-3)
V-Groove Brush (VGB-004)

MASS FUSION SPLICER KIT
FUS-CLN-KIT-M

COMPONENTS
90 Lint Free Cleaning Wipes (FCW-HQ-50)
25 Lint-Free Cotton Swabs (CTSW-PK)
Alcohol Dispenser, No Alcohol (HL-2)
Quick-Evaporating Cleaner (FOC-QE-3)

OUTSIDE PLANT FUSION CLEANING KIT
FUS-CLN-KIT-OSP

COMPONENTS
Standard Fusion Cleaning Kit (FUS-CLN-KIT)
Cleaning Kit Bag
General Cleaning Brush (GCB-001)
Splicer Cleaner Brush (SCB-001)
Double-Ended Stiff Bristly Scrub (SBB-001)
Cleaning Magnifying Glass (CMG-001)

DATA CENTER FUSION CLEANER KIT (LC & MPO)
FUS-CLN-KIT-DC

COMPONENTS
Standard Fusion Cleaning Kit (FUS-CLN-KIT)
Carrying Bag for Mechanical Solutions
General Cleaning Brush (GCB-001)
Splicer Cleaner Brush (SCB-001)
Double-Ended Stiff Bristly Scrub (SBB-001)
Cleaning Magnifying Glass (CMG-001)
PureConnect™ LC End Face Cleaner (EFC-125-S)
PureConnect™ MPO End Face Cleaner (EFC-MPO-S)

DATA CENTER FUSION CLEANER KIT (LC & SC)
FUS-CLN-KIT-DC1

COMPONENTS
Standard Fusion Cleaning Kit (FUS-CLN-KIT)
Carrying Bag for Mechanical Solutions
General Cleaning Brush (GCB-001)
Splicer Cleaner Brush (SCB-001)
Double-Ended Stiff Bristly Scrub (SBB-001)
Cleaning Magnifying Glass (CMG-001)
PureConnect™ LC End Face Cleaner (EFC-125-S)
PureConnect™ SC, ST, FC End Face Cleaner (EFC-250-S)

DATA CENTER FUSION CLEANER KIT (LC, SC, & MPO)
FUS-CLN-KIT-DCEFC

COMPONENTS
Standard Fusion Cleaning Kit (FUS-CLN-KIT)
Carrying Bag for Mechanical Solutions
General Cleaning Brush (GCB-001)
Splicer Cleaner Brush (SCB-001)
Double-Ended Stiff Bristly Scrub (SBB-001)
Cleaning Magnifying Glass (CMG-001)
PureConnect™ LC End Face Cleaner (EFC-125-S)
PureConnect™ SC, ST, FC End Face Cleaner (EFC-250-S)
PureConnect™ MPO End Face Cleaner (EFC-MPO-S)

FOC-QE-3

HL-2

FCW-HQ-90

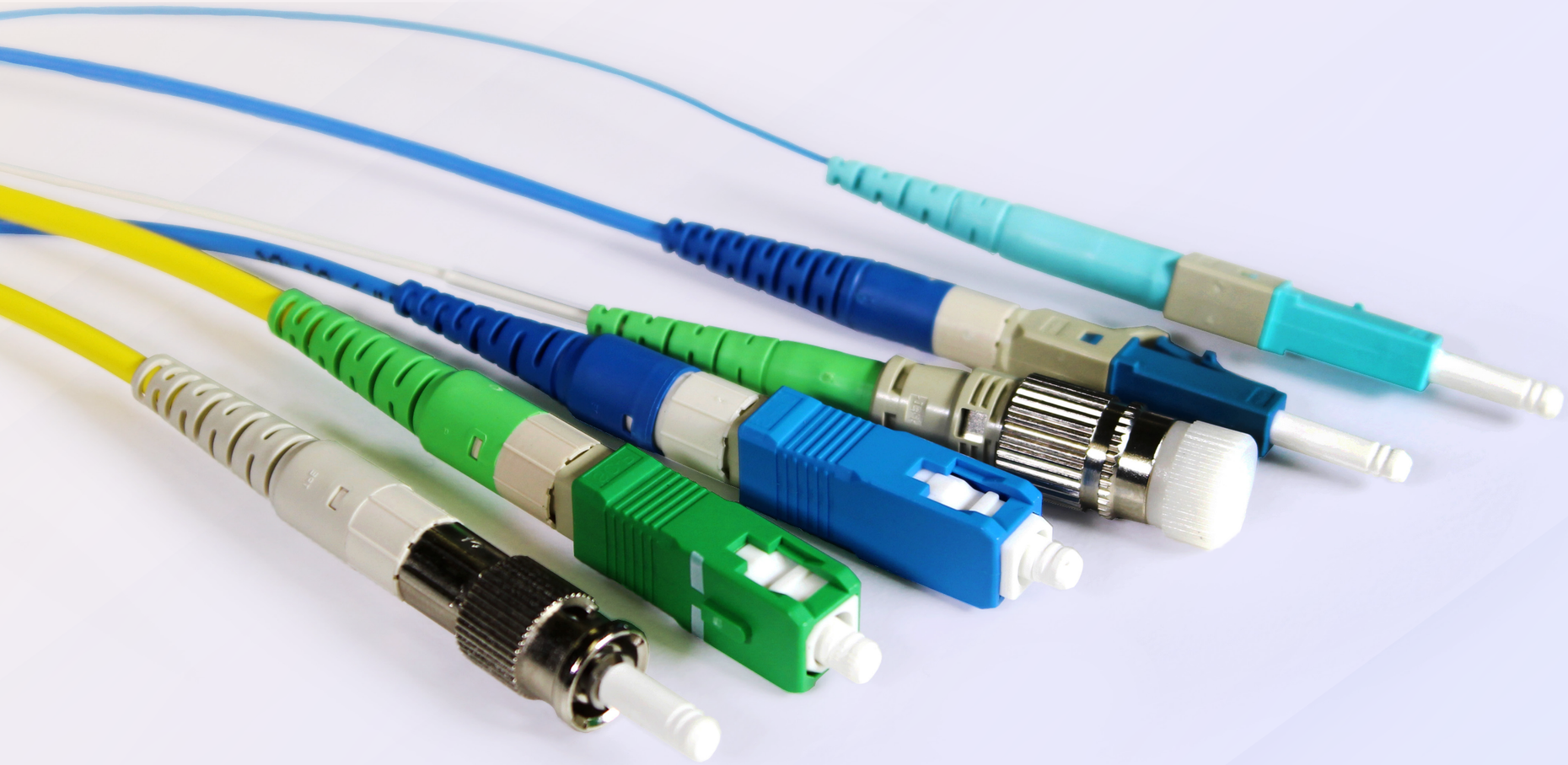
EFC-MPO-S

Cleaning & Fiber Preparation

Our commitment to excellence includes items as small but crucial as the cleaning formula used when preparing fiber for any given application. Only the best performing formula tested is offered as a consumable cleaning product.

ORDERING INFORMATION

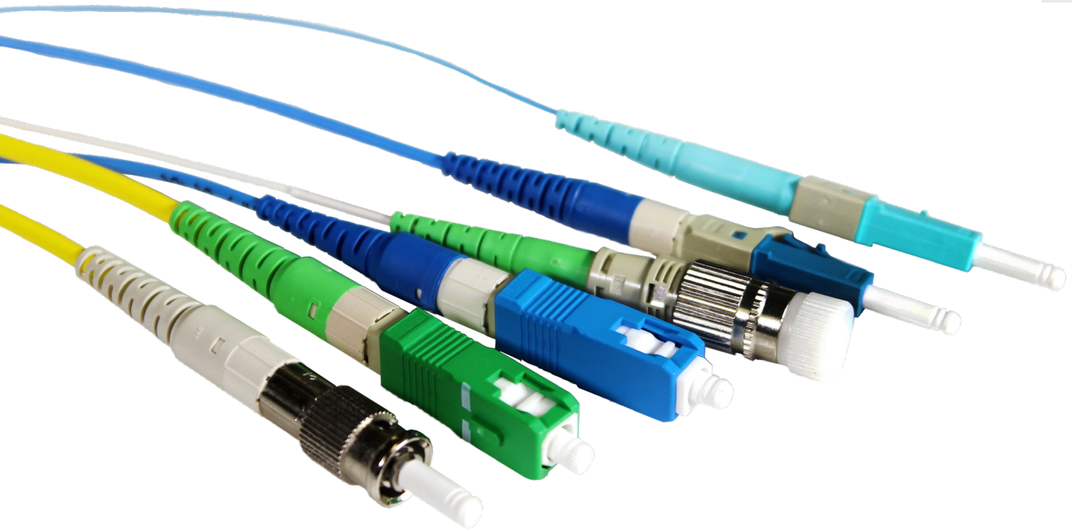
PART NUMBER	DESCRIPTION	COMPATIBLE ITEMS
FOC-QE-3	Fiber Optic Cleaner	All Units
HL-2	Alcohol Dispenser (No Alcohol Included)	All Units
FCW-HQ-90	Lint-Free Cleaning Wipes, 90 per Unit	All Units
CTSW-1	Lint-Free Cotton Swabs, 2,000 per Unit	All Units
CTSW-PK	Lint-Free Cotton Swabs, 25 per Unit	All Units
GCB-001	General Cleaning Brush	All Units
SBB-001	Double-Ended Stiff Bristly Scrub	All Units
SCB-001	Splicer Cleaner Brush	All Units
VGB-003CR	V-Groove Brush, Metal	Q102-CA+ & Q502S
VGB-004	V-Groove Brush, Nylon	Q102-M12+ & T-56+
EFC-250-S	PureConnect™ Connector & Bulkhead Simplex Cleaner	SC, ST, FC & E2000 Connectors
EFC-125-S	PureConnect™ Connector & Bulkhead Simplex Cleaner	LC Connectors
EFC-MPO-S	PureConnect™ Connector & Bulkhead Multi-Fiber Cleaner	Male & Female MPO Ferrules



FIELD-INSTALLABLE SOLUTIONS

Sumitomo Electric Lightwave (SEL) connectivity solutions feature Lynx-CustomFit™ Splice-On Connectors enabling quick, easy, and reliable customized FTTx, outside-plant, and inside-plant permanent field terminations without shorts, excess slack, and logistic delays of pre-terminated cables.

Ribbon breakouts include MPO pigtails and fanout kits that are designed to enable high-quality, fast, and easy termination of ribbon fibers or loose tube fibers that have been converted to ribbon. The high-density duplex LC splice-on connector with a push/pull tab is the world's first field-installable LC duplex solution for high-density interconnection.



Lynx-CustomFit™ Splice-On Connectors

Quickly and easily complete permanent field terminations without the excess slack, shorts, and logistic delays of pre-terminated cables, or the need for splice trays that would be needed with pigtail assemblies. Pre-cleaned and cleaved fiber stubs in hermetically sealed trays eliminate the need for stripping and cleaving the ferrule stub in the field, making the process faster and easier.

A patented ferrule hub design along with carefully manufactured Sumitomo Electric splice sleeves combine to ensure perfect, low loss splices every time. And when needed, cordage versions requires no crimping, yet meet the same mechanical performance industry standards as factory installed connectors. After installation, the appearance is nearly identical to factory terminated connectors, and matches them in performance. Widely recognized for their excellent performance, you can be assured that Lynx-CustomFit™ connectors will successfully mate with any standard connectors you may have in your existing network and perform flawlessly for many years to come.

BENEFITS

Lynx-CustomFit™, splice-on connectors are made with precisely polished ferrules matching the endface geometry of the best factory-terminated connectors. Combine that with a fusion-spliced termination that quickly creates a permanent connection with proven performance and reliability over a wide temperature range, and Lynx-CustomFit™ splice-on connectors are the obvious choice for field-installed connectors.

FEATURES

- Fully Intermateable with Other SC, LC, FC, or ST-Connectors
- Consistent & Reliable Results with Single-Mode and Multi-Mode Fiber
- Low Insertion & Return Losses Across a Wide Temperature Range for Superior Signal Integrity
- Compatible with SEL's Extensive Line of Fusion Splicers
- Compliant to Telcordia GR-326-CORE and GR-1081-CORE
- Free Universal Plastic Holder (LYNX-C-PLS) Included with Every Pack of 10 Units

SPECIFICATIONS

PROPERTY	SMF-UPC	SMF-APC	MMF OM1	MMF OM2	MMF OM3/4/5
Polish Type	UPC	APC	PC	PC	PC
Housing Color	Blue	Green	Beige	Black	Aqua
Typical Insertion Loss	0.15 dB	0.15 dB	0.10 dB	0.10 dB	0.10 dB
Maximum Insertion Loss	≤ 0.30 dB	≤ 0.30 dB	≤ 0.25 dB	≤ 0.25 dB	≤ 0.25 dB
Return Loss	≥ 55 dB	≥ 65 dB	≥ 30 dB	≥ 30 dB	≥ 30 dB
Operating Temperature	-40°C to +70°C (-40°F to +158°F)				

ORDERING INFORMATION

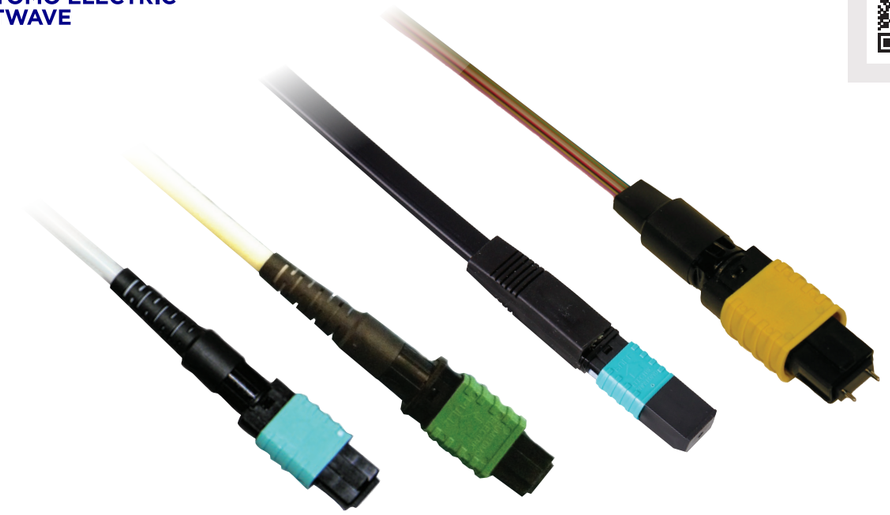
Instructions: Create a part number by using this character set and codes.

LYNX3 - 11 222 33333 - 444444

1 - CONNECTOR TYPE		2 - POLISH TYPE		3 – FIBER TYPE		4 – MEDIA TYPE	
LC	LC Connector	APC	Angled Polished Connector	OM1	OM1 Fiber (62.5 µm)	250900	For 250µm, 900µm Tight Buffer, and 900µm Loose Buffer (ABF Breakout Kit Compatible)
SC	SC Connector	UPC	Ultra Polished Connector	OM2	OM2 Fiber (50 µm)	250900SB	Short Boot for SC and LC 250µm/900µm Tight Buffer
FC	FC Connector	PC	Physical Contact	OM3	OM3/4/5 Fiber (50 µm)	250FT8	For 250µm with 8" Furcation Tube
ST	ST Connector			SM	Single Mode Fiber (9 µm)	2.0LT	For 2.0 mm Cord with 900µm Tube
						2.0	For 2.0 mm Cord OD
						3.0	For 3.0 mm Cord OD
						3.0DCL	Only for LC Duplex Application with 3.0 mm Cord
						4.8	For 4.8 mm Cord (SM, SC, APC Only)

EXAMPLE **LYNX2 - LC APC 5M - 900LT** | Part No. is: LYNX2-LCAPCSM-900LT

A SC connector with APC polish and Single-Mode fiber for 900µm tight buffer is Part Number: LYNX3-SCAPC-SM-250900



Lynx-CustomFit™ MPO Splice-On Connectors

SEL's Lynx-CustomFit™ MPO is the industry's first MPO fusion splice-on field installable connector for customized, on-site, terminations. The breakthrough technology of the Lynx-CustomFit™ MPO meets the needs of the networks for greater optical fiber density and addresses the connectivity demands for faster and easier terminations, upgrades, repairs and restorations, and significant cost savings required for today's data center, enterprise network, outside plant, OEM, central office, and virtually any FTTx network application.

MTP® compatible, the Lynx-CustomFit™ MPO is the perfect solution for optical fiber ribbon and loose tube round cord and patch cord terminations. Like all Lynx-CustomFit™ fusion splice-on connectors (SC, LC, FC, and ST), the Lynx-CustomFit™ MPO allows the technician to make permanent terminations with the exact cable length for fast and easy installations and upgrades at the work site. The on-site customization facilitated by the Lynx-CustomFit™ MPO eliminates the risk of shorts and slack, repair lag, and logistic delays associated with pre-terminated cables and pigtails—making the Lynx-CustomFit™ MPO your best choice in customized fiber termination.

BENEFITS

Factory terminated and polished MPO ferrules with excellent performance across all fibers, combined with rapid installation and long term reliability over a wide temperature range. It is virtually indistinguishable from a factory terminated MPO after installation.

FEATURES

- Precision Guide Pins for Accurate Alignment (Male Only)
- Color-Coded Housing
- Compatible with Optical Ribbon Fiber, Jacketed Ribbon, and 12-Fiber Round Cord
- Customizable Field Polarity Management
- EIA/TIA-604-5 (FOCIS 5), IEC-61754-7 Compliant
- Free Universal Plastic Holder (LYNX-C-PLS) Included with Every Pack of 10 Units

SPECIFICATIONS

PROPERTY	SMF (LOW LOSS)	SMF (STANDARD)	MMF OM1	MMF OM2	MMF OM3/4/5
Polish Type	APC	APC	PC	PC	PC
Housing Color	Yellow	Green	Beige	Black	Aqua
Typical Insertion Loss	0.10 dB	0.25 dB	0.10 dB	0.10 dB	0.10 dB
Maximum Insertion Loss	≤ 0.35 dB	≤ 0.75 dB	≤ 0.35 dB	≤ 0.35 dB	≤ 0.35 dB
Return Loss	≥ 60 dB	≥ 60 dB	≥ 20 dB	≥ 20 dB	≥ 20 dB
Operating Temperature	-40°C to +70°C (-40°F to +158°F)				

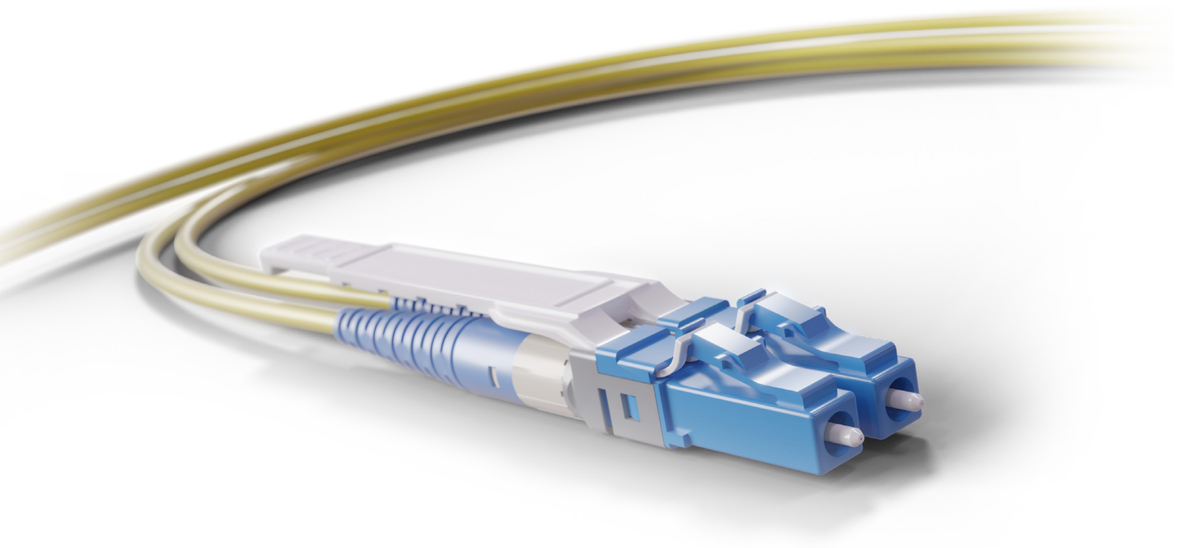
ORDERING INFORMATION

Instructions: Create an part number by using this character set and codes

LYNX2-MPO12 1 - 22 33 - 44444

1 - CONNECTOR GENDER		2 - FIBER		3 – FIBER TYPE		4 – FIBER CONSTRUCTION	
M	Male	SM	Single-Mode	LL	SM Low Loss (Yellow Housing)	RBN	12f Ribbon
F	Female	MM	Multi-Mode	SL	SM Std Loss (Green Housing)	RBC	12f Ribbon w/ Jacket
				01	OM1 Fiber (Beige Housing)	RC3.0	3.0 mm Cord
				02	OM2 Fiber (Black Housing)		
				03	OM3/4/5 Fiber (Aqua Housing)		

EXAMPLE **LYNX2-MPO12 M - SM LL RBN** | Part No. is: LYNX2-MPO12M-SMLLRBN



Lynx-CustomFit™ HDD-LC with Push-Pull Tab Splice-On Connectors

SEL introduces the world's first field installable LC duplex solution for high-density interconnection. The connectors retain all the performance of a traditional LC duplex patch cord but are terminated on site. With the Lynx-CustomFit™ HDD LC solution you can build trim to fit interconnect cables as well as repair damaged connectors without having to remove the entire cable. The Lynx-CustomFit™ HDD LC solution incorporates a new low profile duplex clip that not only reduces the cross section of the duplex pair but allows for easy polarity reversal in a matter of seconds.

BENEFITS

Perfect for high-density applications with push/pull operation enabled by the duplex pull tab. Quick duplex assembly and easy polarity change when needed. Installation of each simplex LC connector is the same process as with other Lynx-CustomFit™ LC connectors.

FEATURES

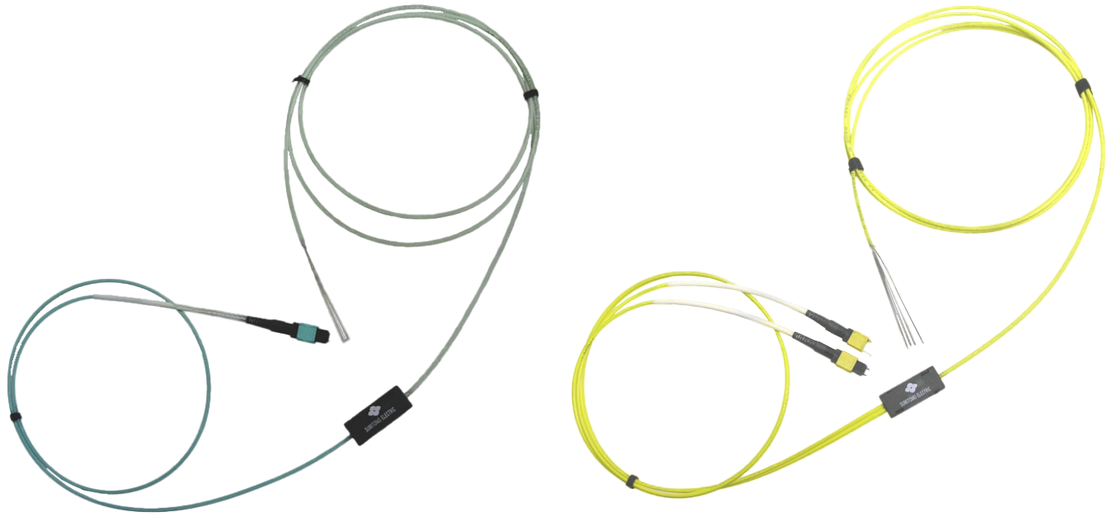
- T-Shape Duplex Clip Offers a Smaller Footprint for High-Density Applications
- Smooth Push-Pull Operation Using the Duplex Pull Tab
- Compatible with SEL's Extensive Line of Fusion Splicers and Accessories
- Polarity Change Capability
- Duplex Assembly in as Little as 30 Seconds

SPECIFICATIONS

PROPERTY	SMF-UPC	MMF OM3/4/5
Polish Type	UPC	PC
Housing Color	Blue	Aqua
Typical Insertion Loss	0.15 dB	0.10 dB
Maximum Insertion Loss	≤ 0.30 dB	≤ 0.25 dB
Return Loss	≥ 55 dB	≥ 30 dB
Operating Temperature	-40°C to +70°C (-40°F to +158°F)	

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
LYNX3-HDDP2-LCUPC-SM-2.0	2 Lynx-CustomFit™ LCUPC–SM-2.0 Connectors (Lynx-CustomFit™ SOC, LC UPC–SM, 2.0 mm), 1 Lynx-CustomFit™ HDD LC–Duplex Clip, 1 Push-Pull Tab
LYNX3-HDDP2-LCPC-OM3-2.0	2 Lynx-CustomFit™ LCPC-OM3 (Lynx-CustomFit™ SOC, LC PC 50µm OM3/4/5, 2.0 mm), 1 Lynx-CustomFit™ HDD LC-Duplex Clip, 1 Push-Pull Tab
LYNX-HDD-INSTL	10–Pack, Lynx-CustomFit™ HDD Install Tool for LC–Duplex Clip and Push-Pull
LYNX-HDD-CLP	10–Pack, Lynx-CustomFit™ HDD LC–Duplex Clip to Join Two LC HDD Connectors
LYNX-HDD-TAB	10–Pack, Lynx-CustomFit™ HDD LC–Duplex Push-Pull Tab LC HDD Connectors



Lynx-CustomFit™ MPO Not Included

Lynx-CustomFit™ Breakout Kits

Designed to transition 12-fiber loose tube or FutureFLEX® Air-Blown Fiber® cable to a flexible 3 mm furcation tube to allow easy termination with a Lynx-CustomFit™ MPO splice-on connector, or to break out 24-fiber cable to 2 separate 12-fiber Lynx-CustomFit™ MPO splice-on connectors.

FEATURES

- Color-Coded Options to Easily Identify Fiber Types
- Reduces Congestion within Enclosures
- Provides Customized Field Polarity Management
- Eliminates the Need for Splice Trays

ORDERING INFORMATION

PART NUMBER	FIBER COUNT	FIBER TYPE	COLOR
LYNX2-MPO-BOK-SMF-12F	12f	SM	Yellow
LYNX2-MPO-BOK-MM01-12F	12f	OM1	Blue
LYNX2-MPO-BOK-MM02-12F	12f	OM2	White
LYNX2-MPO-BOK-MM03-12F	12f	OM3/4/5	Aqua
LYNX2-MPO-BOK-SMF-24F	24f	SM	Yellow
LYNX2-MPO-BOK-MM01-24F	24f	OM1	Blue
LYNX2-MPO-BOK-MM02-24F	24f	OM2	White
LYNX2-MPO-BOK-MM03-24F	24f	OM3/4/5	Aqua

Lynx-CustomFit™ Tool Kits

ORDERING INFORMATION

Lynx-CustomFit™ SPLICE-ON CONNECTOR TOOL KIT

LYNX-TKU-2.0-3.0

COMPONENTS

- Lynx-CustomFit™ Carrying Bag
- Splice-On Connector Cord Prep Tool, 2 to 3 mm Cord OD (LYNX-CORDTOOL-2.0-3.0)
- Fiber Optic Shears (FOS-01)
- Jacket Remover (JR-M03)
- Lynx-CustomFit™ Metal Splice Sleeve Side Holder (LYNX-S)
- Lynx-CustomFit™ Metal Ferrule Side Holder for LC, SC, FC, and ST (LYNX-C)

Lynx-CustomFit™ MPO SPLICE-ON CONNECTOR TOOL KIT

LYNX-TKU-MPO-RC

COMPONENTS

- Lynx-CustomFit™ Carrying Bag
- Splice-On Connector Cord Prep Tool, 2 to 3 mm Cord OD (LYNX-CORDTOOL-2.0-3.0)
- Fiber Optic Shears (FOS-01)
- Fiber Arrangement Consumable Kit - Pads & Glue for Ribbonizer (FAC-24)
- Lynx-CustomFit™ MPO Metal Ferrule Holder (FHM-12-MPO-MTL)
- Ribbonizer for MPO Splice On Connectors (FA-03)

Lynx-CustomFit™ MPO SPLICE-ON CONNECTOR TOOL & FIBER ARRANGEMENT KIT

LYNX-TKU-MPO-RCATK

DESCRIPTION

- Lynx-CustomFit™ Carrying Bag
- Splice-On Connector Cord Prep Tool, 2 to 3 mm Cord OD (LYNX-CORDTOOL-2.0-3.0)
- Fiber Optic Shears (FOS-01)
- Fiber Arrangement Consumable Kit - Pads & Glue for Ribbonizer (FAC-24)
- Lynx-CustomFit™ MPO Metal Ferrule Holder (FHM-12-MPO-MTL)
- Assembly Platform with Fiber Arrangement Tool (LYNX2-ATK2-MPO)

LYNX2-ATK2-MPO

LYNX-CORDTOOL-2.0-3.0

Lynx-CustomFit™ Accessories

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
LYNX2-ACFH19-01	Lynx-CustomFit™ Metal Holder with Two Lids for 3.0 mm Cordage
LYNX2-ATK2-MPO	Assembly Platform for Lynx-CustomFit™ MPO with Ribbonizer
LYNX2-CORDTOOL-2.0-3.0	Splice On Connector Cord Prep Tool, 2.0 to 3.0 mm Cord OD
LYNX2-CORDTOOL-4.8	Splice On Connector Cord Prep Tool, 4.8 mm Cord OD
LYNX2-DUPLEXCLIP-LC	LC Duplex Clip (10 per Unit)
LYNX2-DUPLEXCLIP-SC	SC Duplex Clip (10 per Unit)
LYNX2-FITEL-712-C	Lynx-CustomFit™ Ferrule Holder for Fitel (Right Side)
LYNX2-FITEL-712-S	Lynx-CustomFit™ Fiber Holder for Fitel (Left Side)
LYNX-C-PLS	Lynx-CustomFit™ Plastic Ferrule Side Holder for LC, SC, FC, and ST
LYNX-C-PLS-MAG	Lynx-CustomFit™ Plastic Ferrule Side holder with Magnets for LC, SC, FC, and ST
LYNX-C-PLS-BLK	Lynx-CustomFit™ Plastic Ferrule Side Holder for LC, SC, FC, and ST (Bulk Pack of 10)
FHM-12-MPO-MTL	Lynx-CustomFit™ MPO Metal Ferrule Holder
FHS-025-LB5-SET	Fiber Holders for 900 µm Loose Buffered Fibers, Set
LYNX-S-LB	Lynx-CustomFit™ Left Side Holder for 900µm Loose Tube or 2.0 mm Cord with 900µm Tubing
LYNX2-MPO-HRT-001	MPO Housing Removal Tool
LYNX-ST-AT-01	ST Assembly Tool
LYNX-C	Lynx-CustomFit™ Metal Ferrule Side Holder
LYNX-S	Lynx-CustomFit™ Metal Splice Sleeve Side Holder
FOS-01	Fiber Optic Shears

Colored Boots

Replaces the standard boot on a LYNX3-LCXXX-250/900 kit with a colored boot. Sold in packs of 25.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
LYNX-LCBOOT-BLK	Colored Boot for Lynx-CustomFit™, Black
LYNX-LCBOOT-GRN	Colored Boot for Lynx-CustomFit™, Green
LYNX-LCBOOT-YEL	Colored Boot for Lynx-CustomFit™, Yellow
LYNX-LCBOOT-ORN	Colored Boot for Lynx-CustomFit™, Orange
LYNX-LCBOOT-PUR	Colored Boot for Lynx-CustomFit™, Purple
LYNX-LCBOOT-RED	Colored Boot for Lynx-CustomFit™, Red
LYNX-LCBOOT-WHT	Colored Boot for Lynx-CustomFit™, White

QLC-PCMM5-250900

QSC-SPCSM-250900

QLC-AS231833

QLC-AS231833

Quick–SC & LC Mechanical Connectors

Quick-SC & LC Mechanical Connectors quickly enables easy and fast fiber termination in the field. These connectors have taken mechanical connectors to new heights of dependability, reliability, and performance. Cordage versions available upon request.

SPECIFICATIONS

PROPERTY	SMF-UPC	SMF-APC	MMF OM1	MMF OM2	MMF OM3/4/5
Polish Type	APC	APC	PC	PC	PC
Housing Color	Blue	Green	Beige	Black	Aqua
Typical Insertion Loss	0.20 dB	0.30 dB	0.10 dB	0.10 dB	0.10 dB
Maximum Insertion Loss	≤ 0.50 dB	≤ 0.75 dB	≤ 0.30 dB	≤ 0.30 dB	≤ 0.30 dB
Typical Return Loss	≥ 50 dB	≥ 60 dB*	≥ 35 dB	≥ 35 dB	≥ 5 dB
Minimum Return Loss	40 dB	50 dB	22 dB	22 dB	22 dB
Operating Temperature	-40°C to +70°C (-40°F to +158°F)				

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
QSC-APCSM-250900	Quick-SC, APC SMF 250/900µm
QSC-UPCSM-250900	Quick-SC, UPC SMF 250/900µm
QSC-PCMM5-250900	Quick-SC, PC MM 50µm, 250/900µm
QSC-PCMM5OM3-250900	Quick-SC, PC MM 50µm OM3/4, 250/900µm
QSC-PCMM6-250900	Quick-SC, PC MM 62.5µm, 250/900µm
QLC-UPCSM-250900	Quick-LC, UPC SMF 250/900µm
QLC-PCMM5-250900	Quick-LC, PC MM 50µm, 250/900µm
QLC-PCMM5OM3-250900	Quick-LC, PC MM 50µm OM3/4, 250/900µm
QLC-PCMM6-250900	Quick-LC, PC MM 62.5µm, 250/900µm
QSC-LC-HLD-09	Quick-SC/LC, 900µm Fiber Holder
QSC-AS231821	Quick SC, Assembly JIG Base w/ 900µm Fiber Holder
QLC-AS231833	Quick LC, Assembly JIG Base w/ 900µm Fiber Holder
QSC-JIG-KIT	Assembly guide jig and Fiber Holder for SC
QLC-JIG-KIT	Assembly Guide Jig and Fiber Holder for LC
QSCLC-CORD-TOOL	Cord Tool for 1.6, 2.0, 3.0mm
QMC-TK-STD	Mechanical connector kit includes cleaver FC-8R-F,Jacket striper JR-M03, FOC-QE-3 Quick Evaporation Fiber Optic Cleaner, Lint Free Cleaning Wipes, 90/ea FCW-HQ-90,Carrying Bag for Mechanical solution MECH-BAG

INDEX

RESOURCES

Authorized Distributors

Ensure timely deployments and MACs for your network by connecting with Sumitomo Electric Lightwave's (SEL) national and regional distributor partners. These partnerships enable our products to be available wherever and whenever you need them.

On-Line Store

Browse and place orders online for SEL fusion splicers and accessories, ready to be delivered within a timeframe that suits your requirements. From warehouse to splice trailer, we offer shipping across the entire U.S.

Equipment Rentals

Experience the reliability of SEL's full line of fusion splicers, fiber cleavers, and splicing accessories without buying new equipment. SEL offers rentals for two weeks, four weeks, or longer.

Certified Installers/Warranties

Enhance the efficiency of your next FutureFLEX® Air-Blown Fiber® Solutions installation by engaging one of our Licensed FutureFLEX Installer (LFI) certified installers. These SEL-trained and vetted LFIs assure network quality and performance, enabling you to qualify for extended warranties on relevant SEL products.

Resources

Resource Center

Access up-to-date technical information, specifications, how-to videos, tutorials, and the latest news about how SEL's Next Generation Thinking™ is addressing the industry's challenges.

Training

SEL offers a range of training courses taught by industry experts, available either in person or online. Our courses provide new product training, post purchase support, continuing education, workforce development, and more. Interested in the latest information about upcoming training opportunities? Subscribe to SEL's newsletter by entering your email address at the bottom of our website.

Support Services

Customer Service

We're here to assist you. Whether you have questions, need a quote, or seek a solution to a particular challenge, SEL's customer service team is ready to help. Our aim is to provide the best service in the industry.
Tel: 800-358-7378
Email: info@sumitomoelectric.com

Fusion Splicing On-Time Technical Center

For your fusion splicing needs and equipment inquiries, we provide industry-leading On-Time Technical Center service facilities. We deliver the fastest typical two-day turnaround times and 24/7 technical assistance – a quality standard that reflects our technicians' dedication to supporting you in getting the job done. Ask about the additional benefits and cost savings available with SumiCare™. Contact us at Tel: 888-775-4237.

Optical Cable Engineering Services

Our engineering services are delivered by one of the most seasoned teams of engineers and technicians in the industry. SEL's engineering professionals possess extensive education and field experience, offering services that meet our customers' present needs while proactively addressing tomorrow's network challenges. Our services encompass design and training services, technical assistance, and troubleshooting.
Tel: 855-412-9238

Tools

Cable Assembly Configurator

Trouble configuring cable assemblies? Come see how easy it can be to customize your next assembly. SEL has long had one of the industry's widest selections of cable assemblies: patch cords, jumpers, trunks, and interconnects as well as the often-elusive exact-length cable assemblies.

SumiMap

Attain network clarity with SumiMap. This innovative platform is a comprehensive network infrastructure management tool that merges CAD software with a database, offering visual documentation of assets and connections. SumiMap supports CAD.7, AutoCAD, and CAD systems, along with Oracle and MSSQL databases.

SumiCloud™

Ensure industry-leading splicing operations for your SEL fusion splicers with SumiCloud™. Share data and information seamlessly between the worksite and office. Receive firmware updates and maintenance support for your splicers via the cloud.

For ordering assistance, please contact Inside Sales at **800-358-7378**

SUMITOMO ELECTRIC LIGHTWAVE

WHEN PURCHASING A NEW SPLICER ISN'T AN OPTION

Save time on your next project by utilizing fusion splicer rentals today.

This program is only available in the United States.

SUMITOMO ELECTRIC LIGHTWAVE

201 South Rogers Lane
Raleigh, NC 27610

Toll-Free: (800) 358-7378
Telephone: (919) 541-8100
E-mail: info@sumitomoelectric.com

www.SumitomoElectricLightwave.com

CPC-ORDERING081624V1.7