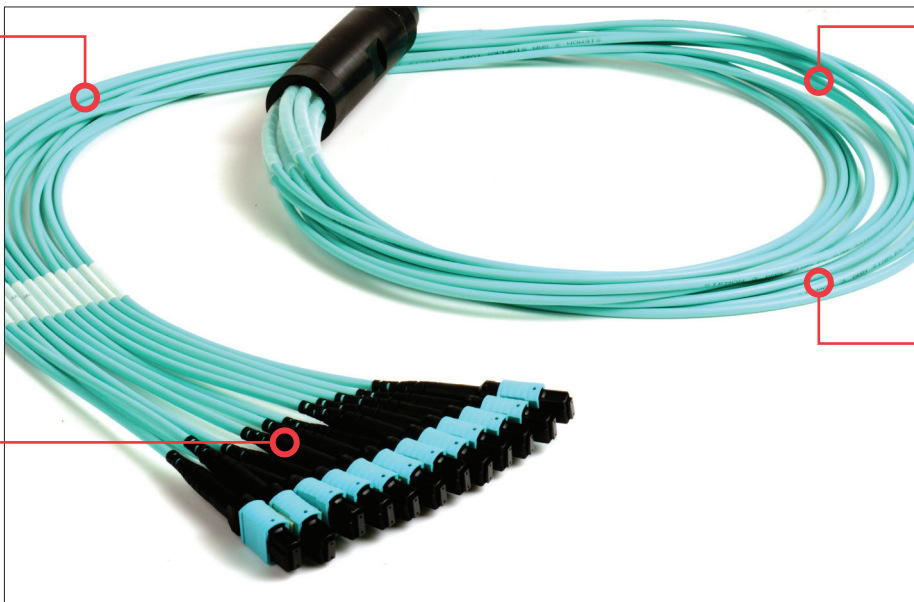


Base-12 Plug and Play Cable Assemblies

Regional Availability - Global

MTP®/ MTP PRO to MTP/MTP PRO Reels and Extenders

Combining Siemon's reduced-diameter RazorCore™ cable with 12-fiber MTP or MTP PRO connectors, Plug and Play Reels are designed to be quickly pulled and connected to Siemon Plug and Play Modules and MTP Adapter Plates. Custom configurable to precise application requirements, these reels efficiently put high-performance, high-density fiber connections exactly where you need them. Extenders offer Male MTP connectors on one end and Female MTP with a MTP adapter on the other to allow field extension of MTP Reels.*

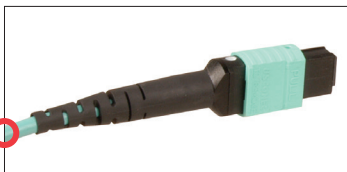


Multiple Fiber Types
Available in multimode OM3 and OM4 and singlemode


Reduced Pathway Fill
Siemon's RazorCore cable has significantly reduced cable O.D. resulting in less cable tray fill and pathway restrictions

Ultra Low Loss Versions
Siemon's Plug and Play cable assemblies are also available in ultra low loss version allowing for multiple mated parts in 10/40/100G applications

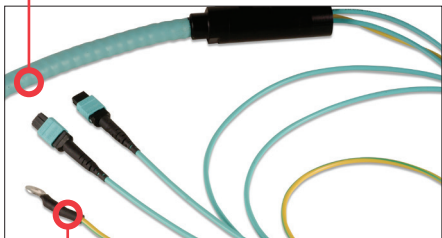
Custom Configurations
Available from 12 to 144 fiber counts in increments of 12 fibers



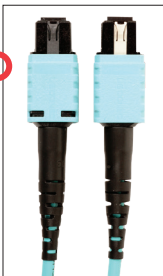
Extreme Durability
Armored versions feature flexible, spiral wrapped aluminum interlocking armored offering over 7X the crush resistance of standard assemblies. May eliminate need for fiber ducting.



Armored Versions*
Siemon's Plug & Play cable assemblies are also available in interlocking armored cable types for rugged environment intrabuilding backbone and horizontal installations



Protective Packaging
Dual shelf reel keeps connectivity protected from harm during payout



MTP PRO Connector
The MTP Pro option enables quick and easy polarity and pin changes in the field using an innovative hand-held tool

40 Gb/s and 100 Gb/s Ready
Enables simple upgrade path to future 40 Gb/s and 100 Gb/s applications over multimode OM3 and OM4

*Note: Extenders are not available in armored configurations

Product Information

Cable—Optical and Physical Specifications

	MULTIMODE			SINGLEMODE
CABLE TYPE	LightSystem (850/1300nm)	XGLO OM3 (850/1300nm)	XGLO OM4 (850/1300nm)	XGLO (1310/1383/1550nm)
Fiber Cable Attenuation, MAX (dB/km)	3.5/1.0	3.0/1.0	3.0/1.0	0.4/0.4/0.3*
LED Bandwidth, MIN (MHz/km)	200/500	1500/500	3500/500	N/A
Effective Modal Bandwidth, MIN (MHz/km)	N/A	2000	4700	N/A
Cable Outer Jacket, Color (Per TIA-598-D)	Orange	Aqua	Aqua	Yellow

*XGLO® Singlemode fiber meets low water peak specifications per ITU-T G.652.C

Non-Armored Cable & Pulling Eye Assembly

FIBER STRAND COUNT	Cable Diameter mm (in)	Min Pulling Eye Bend Radius mm (in)	Max Pulling Eye Diameter mm (in)	*Required Duct Diameter mm (in)	Max Pull Force kg (lbs)	Max Tensile Load kg (lbs)
12	3.0 (.12)	380 (15)	3.81 (1.5)	69.9 (2.75)	18.1 (40)	45.9 (101.2)
24	3.8 (.15)	380 (15)	3.81 (1.5)	69.9 (2.75)	18.1 (40)	67.3 (148.4)
36	8.7 (.34)	380 (15)	3.81 (1.5)	69.9 (2.75)	18.1 (40)	67.3 (148.4)
48	8.7 (.34)	915 (36)	44.5 (1.75)	88.9 (3.5)	18.1 (40)	67.3 (148.4)
72	9.4 (.37)	915 (36)	44.5 (1.75)	88.9 (3.5)	18.1 (40)	67.3 (148.4)
96	13.2 (.52)	915 (36)	63.5 (2.5)	108.0 (4.25)	18.1 (40)	67.3 (148.4)
144	13.2 (.52)	915 (36)	63.5 (2.5)	108.0 (4.25)	18.1 (40)	67.3 (148.4)

*Pulling eye assembly shall be capable of passing through these minimum duct diameter requirements during product installation.

Armored Cable & Pulling Eye Assembly

FIBER STRAND COUNT	Cable Diameter mm (in)	Min Pulling Eye Bend Radius mm (in)	Max Pulling Eye Diameter mm (in)	Max Pull Force kg (lbs)	Max Tensile Load kg (lbs)
12	11.8 (0.46)	380 (15)	3.81 (1.5)	45.25 (100)	22.4 (49.5)
24	11.8 (0.46)	380 (15)	3.81 (1.5)	45.25 (100)	33.7 (74.2)
36	15.7 (0.62)	380 (15)	3.81 (1.5)	45.25 (100)	67.3 (148.4)
48	15.7 (0.62)	915 (36)	44.5 (1.75)	45.25 (100)	67.3 (148.4)
72	16.25 (0.64)	915 (36)	44.5 (1.75)	45.25 (100)	67.3 (148.4)
96	21.4 (0.84)	915 (36)	63.5 (2.5)	45.25 (100)	67.3 (148.4)
144	21.4 (0.84)	915 (36)	63.5 (2.5)	45.25 (100)	67.3 (148.4)

Connectors—Physical Specifications

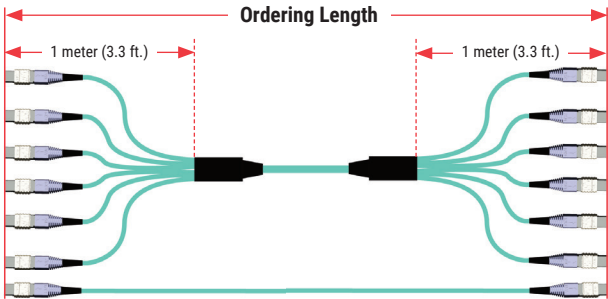
Connectors—Physical Specifications			HOUSING COLOR			BOOT COLOR	
CONNECTOR TYPE	IEC Intermateability Compliance	TIA Intermateability Compliance	Standard Loss SM	Ultra Low Loss MM	MM	SM	MM
MTP	IEC 61754-7	TIA/EIA-604-5	Green	Yellow	Aqua	Blue	Blue
	Standards Compliance		Installation Temperature		Storage Temperature	Operating Temperature	
	ISO/IEC 11801-1 • ANSI/TIA 568.3 • IEC 61300-3-30		-10°C to 60°C		-40°C to 70°C	-20°C to 70°C	

Product Information

Connectors—Optical Specifications

		MAX INSERTION LOSS (db)		MIN RETURN LOSS (db)	
FIBER TYPE	Performance Class	MTP	LC	MTP	LC
10G 50/125µm Multimode OM3	XLGO 300	0.40	0.25	20	30
10G 50/125µm Multimode OM4	XLGO 550	0.40	0.25	20	30
Singlemode OS2	XGLO	0.60	0.40	60	55
Laser Optimized 50/125 Multimode OM3	XGLO 300 Ultra Low Loss	0.20	0.15	20	30
Laser Optimized 50/125 Multimode OM4	XLGO 550 Ultra Low Loss	0.20	0.15	20	30
Singlemode OS2	XGLO Ultra Low Loss	0.30	0.20	60	55

Ordering Information



- Fiber Extenders ship with MTP Adapter for quick transition.
- Order length is measured connector tip to connector tip. Multi-leg versions offered with standard 1 meter (3.3 ft.) legs. Minimum order length is 1 meter (3 ft.) for 12 strand and 3 meters (9 ft.) for 24 strands or greater (See diagram on left)
- Only trunk lengths greater than 5 meters (16FT) come with a pulling eye
- Tolerance is +0.2m/-0m for length less than 10m

MTP PRO Activation Tool and PIN Exchangers

PART #	Description
FT-MP-AT	Field Termination, MTP PRO, ActivationTool
FT-MP-PE-SME	Field Termination, MTP PRO, Pin Exchanger with SM Elite Pins
FT-MP-PE-MME	Field Termination, MTP PRO, Pin Exchanger with MM Elite Pins



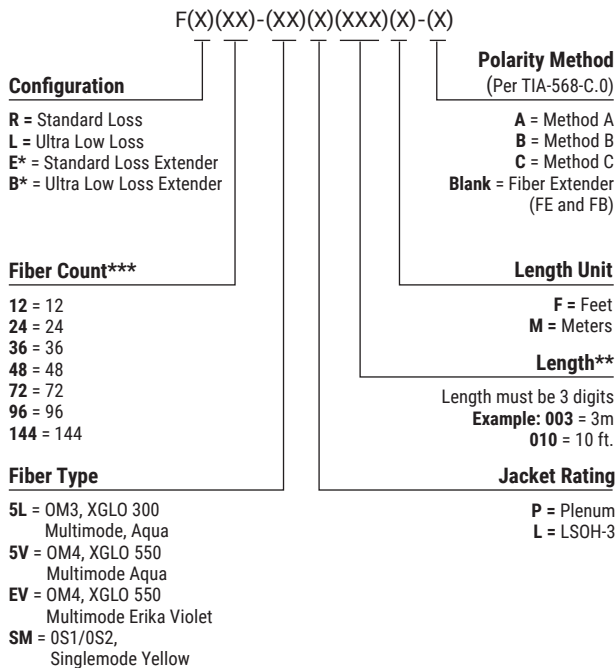
Overall Cable Length Tolerance

LENGTH-L (FT)	Tolerance
L<26	1ft
L=27-50ft	2ft
L=51-100ft	4ft

Ordering Information

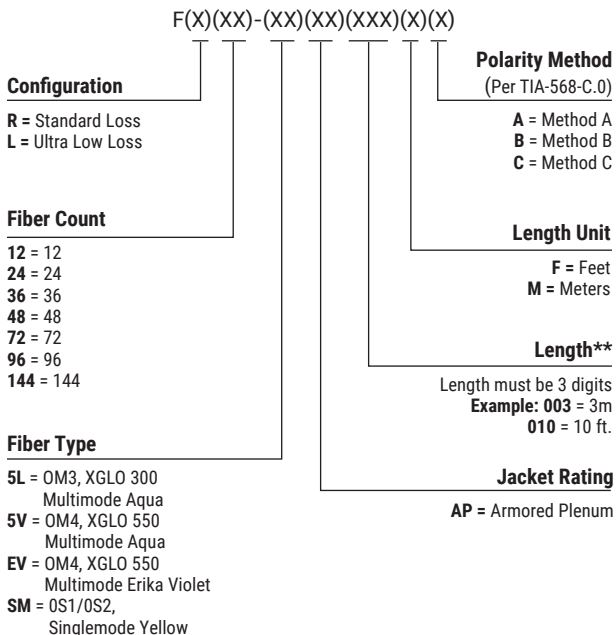
Non-Armored

Fiber Plug & Play Cable Assembly, 12-Fiber MTP Connectors

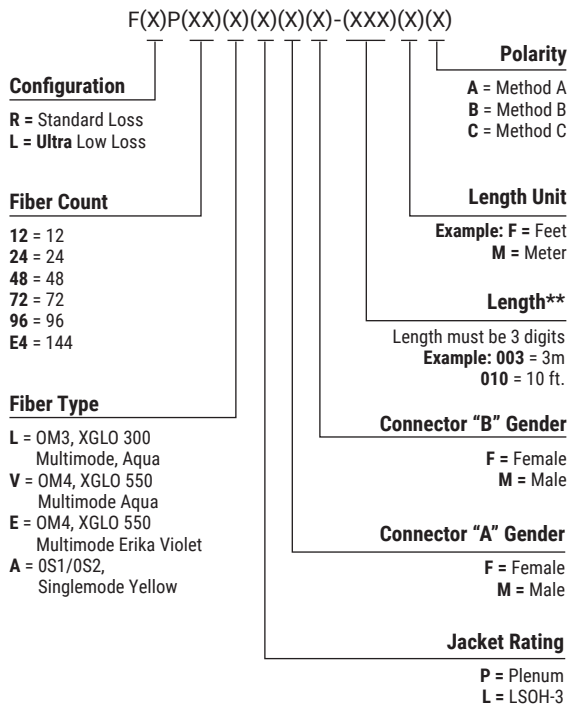


Armored

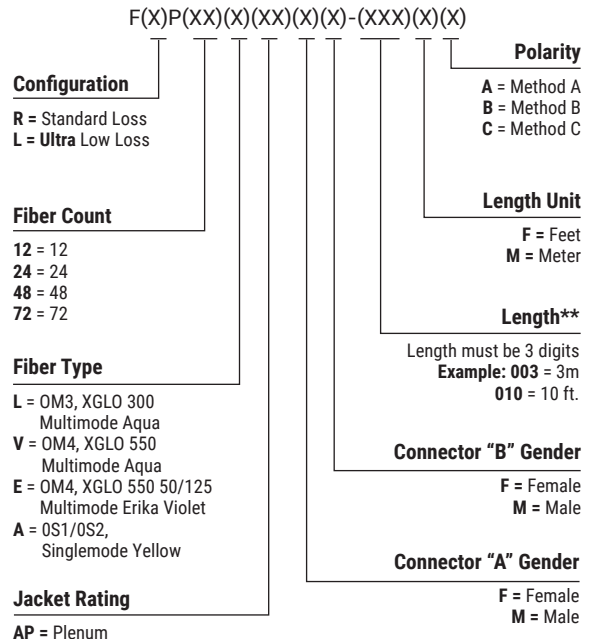
Armored Fiber Plug & Play Cable Reel Assembly, 12-Fiber MTP Female Connectors



Fiber Plug & Play Cable Assembly, 12-Fiber MTP PRO Connectors



Armored Fiber Plug & Play Cable Reel Assembly, 12-Fiber MTP PRO Female Connectors



Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

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