

Plug and Play Cable Assemblies

MTP® TO MTP REELS AND EXTENDERS

Combining Siemon's reduced-diameter RazorCore™ cable with 12-fiber MTP 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 an MTP adapter -on the other to allow field extension of MTP Reels.



Custom Configurations

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

Multiple Fiber Types

Available in multimode (62.5/125, standard 50/125 and laser optimized 50/125) and singlemode. Jacket ratings in riser, plenum and LSOH

*Reduced Pathway Fill

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

Protective Packaging

Dual shelf reel keeps unprotected connectivity away from harm during payout

40 Gb/s and 100 Gb/s Ready

Enables simple upgrade path to future 40 Gb/s and 100 Gb/s applications over multimode 50/125 laser optimized fiber

Ordering Information for Fiber Plug & Play Cable Assembly, 12 Fiber MTP Connectors:

F(X)(XXX)-(XX)(X)(XXX)(X)-XFiber Plug & Play Cable Assembly, 12 Fiber MTP Connector

<p>Confirmation</p> <p>R =MTP-MTP Reel E =Extender Male MTP to Female MTP</p>	<p>Length Unit</p> <p>F = Feet M = Meters</p>	<p>Polarity</p> <p>C = Polarity method C per TIA-568-C.O for fiber reels (FR) only Blank = Fiber Extender (FE)</p>
<p>Jacket Rating</p> <p>R =Riser P =Plenum L = LSOH</p>	<p>Length*</p> <p>Length must be 3 digits</p> <p>Example: 003 = 3 m 010 = 10 ft</p>	<p>*Ordering 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 (xx) for 12 strand and 3 meters (xx) for 24 strands or greater</p>
<p>Fiber Type</p> <p>5 = 50/125 Multimode 6 = 62.5/125 Multimode 5L = XGLO 300 50/125 Multimode 5V = XGLO 550 50/125 Multimode SM = Singlemode</p>	<p>Fiber Count</p> <p>12 = 12 24 = 24 36 = 36 48 = 48 72 = 72 96 = 96 144 = 144</p>	

PRODUCT INFORMATION

Cable - Optical and Physical Specifications

Cable Type	Multimode				Singlemode
	LightSystem 62.5/125 (850/1300nm)	LightSystem 50/125 (850/1300nm)	XGLO 50/125 OM3 (850/1300nm)	XGLO 50/125 OM4 (850/1300nm)	XGLO (1310/1383/1550nm)
Fiber Cable Attenuation MAX (db/km)	3.5/1.0	3.5/1.0	3.5/1.0	3.0/1.0	0.4/0.4/0.3*
LED Bandwidth, MIN (MHz/km)	200/500	500/500	1500/500	3500/500	N/A
Effective Modal Bandwidth, MIN (MHz/km)	N/A	N/A	2000	4700	N/A
Cable Outer Jacket, Color (Per TIA-598-C)	Orange	Orange	Aqua	Aqua	Yellow

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

Cable & Pulling Eye Assembly - Specifications

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)
12	3.0 (.12)	380 (15)	3.81 (1.5)	69.9 (2.75)	18.1 (40)
24	3.8 (.15)	380 (15)	3.81 (1.5)	69.9 (2.75)	18.1 (40)
36	8.7 (.34)	380 (15)	3.81 (1.5)	69.9 (2.75)	18.1 (40)
48	8.7 (.34)	915 (36)	44.5 (1.75)	88.9 (3.5)	18.1 (40)
72	9.4 (.37)	915 (36)	44.5 (1.75)	88.9 (3.5)	18.1 (40)
96	13.2 (.52)	915 (36)	63.5 (2.5)	108.0 (4.25)	18.1 (40)
144	13.2 (.52)	915 (36)	63.5 (2.5)	108.0 (4.25)	18.1 (40)

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

Connectors - Optical Specifications

Fiber Type		Performance Class	Max Insertion Loss (db)		Min Return Loss (db)	
			MTP	LC/SC	MTP	LC/SC
Singlemode OS2	SM-LWP	XGLO	0.75	0.40	55	55
STD. 62.5/125µm Multimode	6MM	LightSystem	0.50	0.50	20	25
STD. 50/125µm Multimode	5MM	LightSystem	0.50	0.50	20	25
10G 50/125µm Multimode OM3	5L	XGLO 300	0.50	0.25	20	30
10G 50/125µm Multimode OM4	5V	XGLO 550	0.50	0.25	20	30

Connectors - Physical Specifications

Connector Type	IEC Intermateability Compliance	TIA Intermateability Compliance	Housing Color			Boot Color	
			SM	MM	MM-5L/5V	SM	MM
MTP	IEC 61754-7	TIA/EIA-604-5	Green	Beige	Aqua	Black	Black