

Base 8 Plug and Play Trunk Assemblies

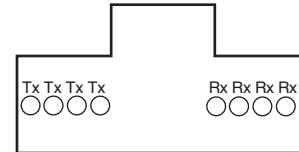
Combining Siemon's reduced-diameter RazorCore™ cable with 8-fiber MTP connectors, Base 8 Plug and Play MTP Trunk Assemblies are designed to be quickly routed and connected to Siemon Plug and Play Modules and MTP Adapter Plates. Custom configurable to precise application requirements, these Base 8 assemblies put high-performance, high density fiber connections exactly where you need them while providing more efficient migration to support high-speed 8-fiber applications.

Multiple Fiber Types

Available in multimode (laser optimized OM3 and OM4 50/125) and singlemode

Reduced Pathway Fill

Siemon's RazorCore cable has significantly reduced cable diameter



40GBASE-SR4 8-Fiber and 100GBASE-SR4 8-Fiber MTP

(1) 8 strand MTP trunk is used for one link

Low Loss Versions

Siemon's Plug and Play cable assemblies are also available in low loss multimode for multiple mated pairs in 10/40/100G applications

Custom Configurations

Available from 8 to 144 fiber counts in increments of 8 fibers

Easy Identification

Base 8 assemblies feature a blue boot to easily distinguish from Base 12 assemblies

Cost-Effective with 100% Fiber Utilization

Base 8 MTP assemblies use 100% of fiber in 8-fiber applications, eliminating the need for conversion cords or modules

40 Gb/s and 100 Gb/s Ready and Beyond

Offers the simplest upgrade path to current and future 8-fiber applications

PRODUCT INFORMATION

Ordering Information:

G(X)(XXX)(X)(XX)(X)(XXX)(X)-(X)Base 8 MTP to MTP assemblies, 8-fibre MTP connectors

Performance

- R = Standard Loss
- L = Low Loss (OM3/OM4 only)

Fibre Count

- 8 = 8 Fibres
- 16 = 16 Fibres
- 24 = 24 Fibres
- 32 = 32 Fibres
- 48 = 48 Fibres
- 72 = 72 Fibres
- 96 = 96 Fibres
- 144 = 144 Fibres

Gender

- = Female
- M = Male

Fibre Type

- 5L = OM3 XGLO 300 50/125 Multimode, Aqua
- 5V = OM4 XGLO 550 50/125 Multimode, Aqua
- EV = OM4, XGLO 550 50/125 Multimode, Erika Violet
- SM = OS1/OS2 Singlemode, Yellow

Polarity

- A = Method A
- B = Method B
- C = Method C

Length Unit

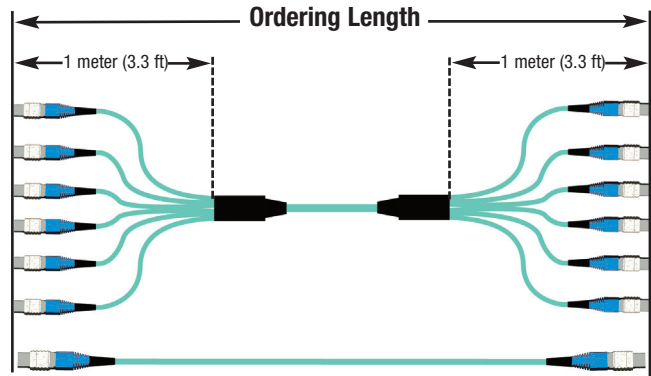
- F = Feet
- M = Metre

Length*

Length must be 3 digits
Example: 005 = 5m
050 = 50 ft.

Jacket Type

- P = OFNP
- R = OFNR
- L = LSOH



** 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 8 strand and 3 meters (9 ft.) for 24 strands or greater (See diagram above)

Cable - Optical and Physical Specifications

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

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

Non-Armored Cable & Pulling Eye Assembly

Fiber Strand Count	Cable Diameter mm (in.)			Max Pulling Eye Diameter mm (in.)	*Required Duct Diameter mm (in.)	Max Pull Force kg (lbs)
	Riser	Plenum	LSOH			
8	3.0 (0.12)	3.0 (0.12)	3.0 (0.12)	3.81 (1.5)	69.9 (2.75)	18.1 (40)
16	3.8 (0.15)	3.8 (0.15)	3.8 (0.15)	3.81 (1.5)	69.9 (2.75)	18.1 (40)
24	3.8 (0.15)	3.8 (0.15)	3.8 (0.15)	3.81 (1.5)	69.9 (2.75)	18.1 (40)
32	9.4 (0.37)	7.5 (0.30)	6.5 (0.26)	3.81 (1.5)	69.9 (2.75)	18.1 (40)
48	9.4 (0.37)	7.5 (0.30)	6.5 (0.26)	44.5 (1.75)	88.9 (3.5)	18.1 (40)
72	9.4 (0.37)	7.5 (0.30)	6.5 (0.26)	44.5 (1.75)	88.9 (3.5)	18.1 (40)
96	13.2 (0.52)	13.6 (0.54)	12.5 (0.49)	63.5 (2.5)	108 (4.25)	18.1 (40)
144	13.2 (0.52)	13.6 (0.54)	12.5 (0.49)	80 (3.15)	125 (4.92)	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
10G 50/125µm Multimode OM3	XGLO 300	0.40	0.25	20	30
10G 50/125µm Multimode OM4	XGLO 550	0.40	0.25	20	30
Laser Optimized 50/125 Multimode OM3	XGLO 300 Low Loss	0.20	0.15	20	30
Laser Optimized 50/125 Multimode OM4	XGLO 550 Low Loss	0.20	0.15	20	30
Singlemode OS2	XGLO	0.60	0.40	60	55

Connectors - Physical Specifications

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

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

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