

Base-8 Plug and Play Trunk Assemblies

Euro Class Dca, Cca

Regional Availability – Global

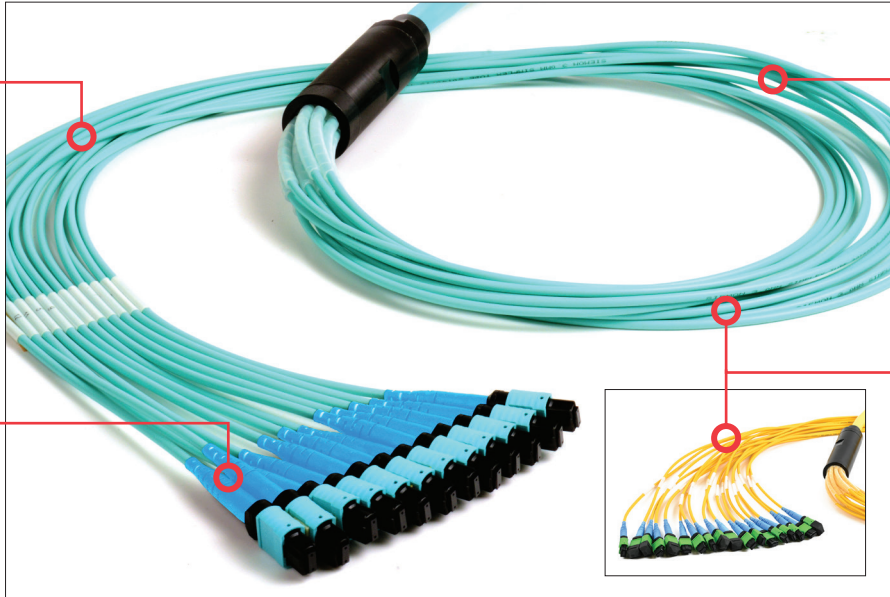
Combining Siemon's reduced-diameter RazorCore™ cable with 8-fiber MTP connectors, Base-8 Plug and Play MTP or MTP Pro® Trunk Assemblies are designed to be quickly routed and connected to Siemon Plug and Play Modules and MTP Adapter Plates. Custom configurable to precise application requirements, these 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.

Standard/Ultra-Low Loss Versions
Siemon's Plug and Play cable assemblies are also available in ultra-low loss multimode and singlemode options for maximum network flexibility.

Custom Configurations
Available from 8- to 144-fiber counts in increments of 8 fibers.

Reduced Pathway Fill
Siemon's RazorCore cable has significantly reduced cable diameter.

Multiple Fiber Types
Available in multimode (laser optimized OM3 and OM4 50/125) and singlemode.



40 Gb/s and 100 Gb/s Ready and Beyond
Offers the simplest upgrade path to current and future 8-fiber applications.

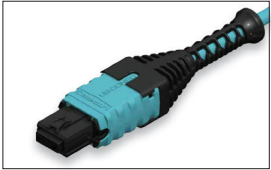
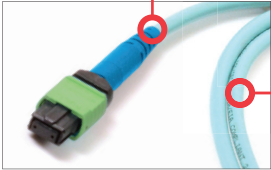
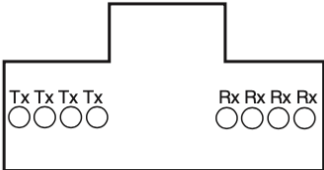
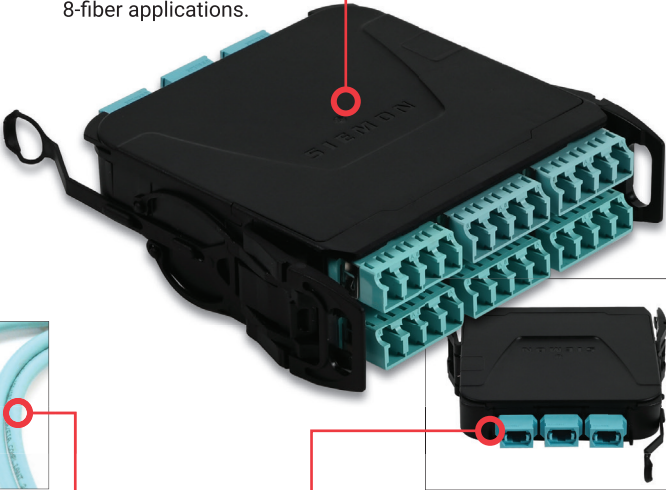
Easy Identification
Base-8 assemblies feature a blue boot to easily distinguish from Base-12 assemblies.

Flame Standards, CPR Qualification
LSHF-FR (FRNC)
• EC 60332-2, IEC 60754-1, IEC 60754-2, IEC 61034
• EN 50575, Class Eca, Dca, Cca s1a, d1, a1

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.

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

40/100/200/400G-SR4
One 8-fiber trunk is used for a single link.



Product Information

Cable — Optical and Physical Specifications	MULTIMODE		SINGLEMODE
CABLE TYPE	XGLO® OM3 (850/1300nm)	XGLO OM4 (850/1300nm)	XGLO (1310/1383/1550nm)
Fiber Cable Attenuation, MAX (dB/km)	3.0/1.0	3.0/1.0	0.40/0.40/0.30*
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.652.C.

Cable — Optical and Physical Specifications (Nominal)

JACKET TYPE	Fiber Strand Count	Cable Diameter mm (in.)	Min Bend Radius Operational	Min Bend Radius Installation	Max Pulling Eye Diameter	*Required Duct Diameter
LSOH D _{ca}	4	3.0 (0.12)	30 (1.2)	45 (1.8)	44.5 (1.75)	69.9 (2.75)
	8	3.0 (0.12)	30 (1.2)	45 (1.8)	44.5 (1.75)	69.9 (2.75)
	16	3.8 (0.15)	38 (1.5)	57 (2.2)	44.5 (1.75)	69.9 (2.75)
	24	3.8 (0.15)	38 (1.5)	57 (2.2)	44.5 (1.75)	69.9 (2.75)
	48	6.5 (0.26)	65 (2.6)	98 (3.3)	63.5 (2.5)	88.9 (3.5)
	64	7.0 (0.28)	70 (2.8)	105 (4.1)	63.5 (2.5)	88.9 (3.5)
	72	7.0 (0.28)	70 (2.8)	105 (4.1)	63.5 (2.5)	88.9 (3.5)
	96	12.5 (0.49)	125 (4.9)	188 (7.4)	88.9 (3.25)	114.3 (4.5)
	128	14.9 (0.59)	149 (5.9)	224 (8.8)	88.9 (3.25)	114.3 (4.5)
	144	14.9 (0.59)	149 (5.9)	224 (8.8)	88.9 (3.25)	114.3 (4.5)
LSOH C _{ca}	8	3.0 (0.12)	30 (1.2)	60 (2.3)	44.5 (1.75)	69.9 (2.75)
	16	3.6 (0.14)	30 (1.2)	72 (2.8)	44.5 (1.75)	69.9 (2.75)
	24	3.6 (0.14)	30 (1.2)	72 (2.8)	44.5 (1.75)	69.9 (2.75)

*Pulling eye assembly shall be capable of passing through these minimum duct diameter requirements during product installation.
All measurements above are shown in millimeters, with inches in brackets.

Connectors — Optical Specifications		MAX INSERTION LOSS (dB)	MIN RETURN LOSS (dB)
FIBER TYPE	Performance Class	MTP	MTP
Multimode OM3	XGLO 300	0.40	20
50/125um Multimode OM4	XGLO 550	0.40	20
Singlemode OS2	XGLO	0.60	60
Laser Optimized 50/125 Multimode OM3	XGLO 300 Ultra-low loss	0.20	20
Laser Optimized 50/125 Multimode OM4	XGLO 550 Ultra-low loss	0.20	20
Singlemode OS2	XGLO Ultra-low loss	0.30	65
Multimode APC OM3	XGLO 300 Ultra-low loss	0.30	35
Multimode APC OM4	XGLO 550 Ultra-low loss	0.30	35
Singlemode OS2 G657.A2	XGLO Ultra-low loss	0.30	65

Connectors — Physical Specifications			HOUSING COLOR			BOOT COLOR			
CONNECTOR TYPE	IEC Intermateability Compliance	IEC Intermateability Compliance	SM (Standard Loss) /MM-APC	SM (Ultra-Low Loss)	MM-5L/5V	SM	MM	MTP Pro	MM Pro
8-Fiber MTP	IEC 61754-7	TIA/EIA-604-5	Green	Yellow	Aqua	Blue	Blue	Black	Black

Ordering Information

Base-8 MTP to MTP Assemblies,
8-Fiber MTP Connectors

G(X)(XXX)(X)(XX)(X)(XXX)(X)-(X)

Performance
R = Standard Loss
L = Ultra-Low Loss

Fiber Count*
4 = 4 Fibers
8 = 8 Fibers
16 = 16 Fibers
24 = 24 Fibers
32 = 32 Fibers
48 = 48 Fibers
64 = 64 Fibers
72 = 72 Fibers
96 = 96 Fibers
128 = 128 Fibers
144 = 144 Fibers

Connector
- = Unpinned
M = Pinned

Fiber 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 = OS2, Singlemode, Yellow
5T = OM3 XGLO 300, Multimode, Aqua, MTP/APC Connector**
5U = OM4 XGLO 550, Multimode, Aqua, MTP/APC Connector**
S2 = OS2, G657.A2, Singlemode, Yellow**

Polarity
A = Method A
B = Method B
C = Method C

Length Unit
F = Feet
M = Meter

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

Jacket Rating
L = Class Dca
C = Class Cca

Fiber Plug & Play Cable Assembly,
8-Fiber MTP Pro® Connectors

G(X)P(XX)(X)(X)(X)(X)-(XXX)(X)(X)

Configuration
R = Standard Loss
L = Ultra-Low Loss

Fiber Count*
4 = 4 Fibers
8 = 8 Fibers
16 = 16 Fibers
24 = 24 Fibers
32 = 32 Fibers
48 = 48 Fibers
64 = 64 Fibers
72 = 72 Fibers
96 = 96 Fibers
C8 = 128 Fibers
E4 = 144 Fibers

Fiber Type
L = OM3, XGLO 300 50/125, Multimode, Aqua
V = OM4, XGLO 550 50/125, Multimode, Aqua
E = OM4, XGLO 550 50/125, Multimode, Erika Violet
A = OS2, Singlemode, Yellow
T = OM3 XGLO 300, Aqua, Multimode, MTP/APC Connector**
U = OM4 XGLO 550, Aqua, Multimode, MTP/APC Connector**
S = OS2, G657.A2, Singlemode, Yellow**

Polarity
A = Method A
B = Method B
C = Method C

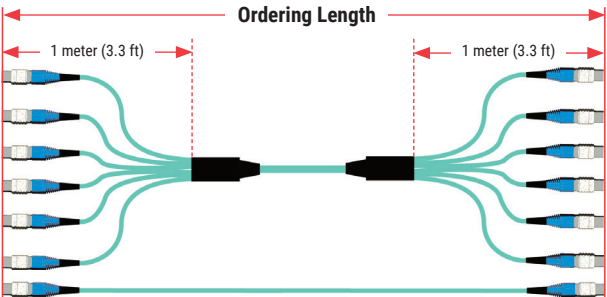
Length Unit
F = Feet
M = Meter

Length
Length must be 3 digits
Example: 003 = 3m
010 = 10 ft

Connector "B"
F = Unpinned
M = Pinned

Connector "A"
F = Unpinned
M = Pinned

Jacket Rating
L = Class Dca
C = Class Cca



- 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 fibers and 3 meters (9 ft) for 24 fibers or greater (See diagram on left).
- Only trunk lengths greater than 5 meters (16 feet) come with a pulling eye.
- Tolerance is +0.2m/-0m for length less than 10m.

MTP Pro Activation Tool and PIN Exchangers Ordering Information:

PART NUMBER	Description
FT-MP-AT	Field termination, MTP Pro, Activation tool
FT-MP-PE-SME	Field termination, MTP Pro, Pin exchanger with SM pins
FT-MP-PE-MME	Field termination, MTP Pro, Pin exchanger with MM pins
FT-MP-PE-SM	Field termination, MTP Pro, Pin exchanger with SM, without pins
FT-MP-PE-MM	Field termination, MTP Pro, Pin exchanger with MM, without pins



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

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