

Product overview

Giganet MTP/MPO 1x 16 fibre ferrule cable assemblies are designed for cable infrastructures which are currently used for, or which are due to be upgraded to, parallel optics 40/100G protocols such as 100G BASE-SR10 or 40GBASE-SR4. The Assemblies are built using 1x 16 fibre ferrule interface, MTP/MPO connectors, which can be used directly with 100G transceivers or, when used together with transition modules/cables, can provide 40/100G parallel transceivers or legacy non-parallel optics 4/8/10/16G Ethernet/ fibre channel protocol networks.



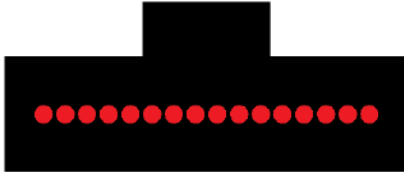
Figure 1.
Giganet MTP/MPO Base-1x16FO Trunks

Product Features and Applications

FEATURES
Conform to IEC, EIA-TIA, and Telcordia performance requirements
All Assemblies are machine polished providing highest quality
Cable terminated with low loss 1x16 fibre MTP/MPO Connectors
All Assemblies are factory tested and come with test certificate
Factory pre-terminated assemblies with protocol for constant and reliable quality
CPR Euro classes certified on demand

APPLICATIONS

Telecommunication networks
Data center infrastructure
Parallel optics : 100Gbps protocol



1x 16 Fiber MTP/MPO

Product Specification

MTP/MPO CONNECTOR SPECIFICATIONS

Parameters	IL – Max	IL – Typical	RL
SM – Standard	0.75 dB	0.40 dB	> 55 dB
MM – Standard	0.60 dB	0.40 dB	> 20 dB
MM – Premium	0.35 dB	0.20 dB	> 20 dB

CABLE CHARACTERISTICS

Cable Characteristics	Units	Value
Cable Material		LSZH or PVC
Strength Member		Aramid/FRP
Cable Diameter	mm	Double jacket 16F – 4.5
Tensile Strength	N	Double jacket 16F – 400/150
Crush	N/100mm	1000
Operating Temperature	°C	-20 to 70
Minimum Bending Radius	mm	10D (installed) / 20D (loaded)
CPR Reaction to Fire classification	Certified	Cca-s1a,d0,a1

Ordering Information

MTP/MPO BASE-1x16FO TRUNKS										
GN-T16X-12345678-9										
GN-T16	X	MTP/MPO Side	1	Performance	2	Fibre MTP/MPO	3	Fibre Count	4	Fibre Mode
	MPF	MPO-FEMALE	S	Standard		Leave Blank if other end connector same, if different use abbreviation from column X	xx	xx- to be replaced with fibre count ranging 16 to 144 Fibre. e.g.: use 96 for 96 Fibre	A1	G657A1-SM
	MPM	MPO-MALE	P	Premium					A2	G657A2-SM
	MTF	MTP-FEMALE							OM3	OM3-MM
	MTM	MTP-MALE							OM4	OM4-MM
									OM5	OM5-MM

5	Cable Construction	6	Jacket Colour	7	Jacket Material	8-	Polarity	9	Length in Meters	
DJ	Micro Double	Y	Yellow	LZ	LSZH	A	Polarity A	xxM	xx to be replaced with length eg: use 15M for 15 Meters length	
		AQ	Aqua	LB	LSZH B2ca	B	Polarity B			
		EV	Erika Violet	LC	LSZHCca	C	Polarity C			
		B	Black	NR	OFNR	X	Universal			
		LG	Lime Green	NP	OFNP					
	Part Number				Product Description					
e.g.	GN-T16MPFS16A1DJYLZA-18M				GIGANET FIBRE TRUNK BASE16 PREM,MPO(F)- MPO(F) 16F SM ,G657A1, DOUBLE JACKET, YELLOW,LSZH 4.5mm POL A-18MTR					