

Product overview

Giganet MTP/MPO Fanouts are small form factor high-density fibre connector assemblies that breakout into discrete single ferrule connectors. Our MTP/MPO Fanouts are suitable for up to 100G applications to connect between equipment or to interconnect modules/panels in a data center. The fanouts also can be used for transitions between high to low bandwidth equipment.

The Fanouts are available in Micro cable single and double jacket options suitable and individual connectors are available as simplex/duplex/round duplex cable options. The MTP/MPO and single ferrule connectors are available in Standard and Premium versions to cater customer's power budget requirements.



Figure 1.
Giganet MTP/MPO TO LC/SC FANOUTS BASE-12

Product Features and Applications

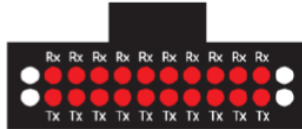
FEATURES

Small factor breakout module from MTP/MPO to LC or SC tails 2.0mm SX, DX or Unboots
Cable terminated with low loss 12 or 24 fibre MTP/MPO Connectors
Available in custom length and cable construction from 12 to 144 fibres
All Assemblies are factory tested and come with test certificate
CPR Euro classes certified on demand

APPLICATIONS
Telecommunication networks
Data centers, Co-location DC
LAN or Campus wide Network



12 Fiber MTP



20 Fiber MTP



24 Fiber MTP

Product Specification

MTP/MPO CONNECTOR SPECIFICATIONS			
Parameters	IL – Max	IL – Typical	RL
SM – Standard	0.75 dB	0.25 dB	> 60 dB
SM – Premium	0.35 dB	0.10 dB	> 60 dB
MM – Standard	0.60 dB	0.20 dB	> 20 dB
MM – Premium	0.35 dB	0.10 dB	> 20 dB

SINGLE FERRULE CONNECTOR SPECIFICATIONS			
Parameters	IL – Max	IL – Typical	RL (PC/APC)
SM – Standard	≤ 0.30 dB	≤ 0.20 dB	> 55/65 dB
SM – Premium	≤ 0.15 dB	≤ 0.12 dB	> 55/65 dB
MM – Standard	≤ 0.30 dB	≤ 0.18 dB	> 28 dB
MM – Premium	≤ 0.15 dB	≤ 0.08 dB	> 28 dB

CABLE CHARACTERISTICS		
Cable Characteristics	Units	Value
Cable Material		LSZH /PVC
Strength Member		Aramid/FRP
Cable Diameter	mm	Single jacket 12F– 3.0 Double jacket 12F– 4.5 Double jacket 24F – 4.5
Tensile Strength	N	Single jacket 12F– 200/100 Double jacket 12F– 400/150 Double jacket 24F – 400/150
Crush	N/100mm	Single jacket 12F– 500 Double jacket 12F– 1000
Operating Temperature	°C	-20 to 70
Minimum Bending Radius	mm	10D (installed) / 20D (loaded)
CPR Reaction to Fire classification	Certified	(12F– 3.0) Cca-s1a,d0,a1 (12F– 4.5) B2ca-s1a,d0,a1 (24F– 4.5) Cca-s1a,d0,a1

FANOUT CABLE CHARACTERISTICS				
Cable Characteristics	Units	Simplex	Duplex	Round Duplex
Cable Material		LSZH PVC	LSZH or PVC	LSZH or PVC
Strength Member		Aramid	Aramid	Aramid
Crush	N	500	500	500
Operating Temperature	°C	-20 to 70	-20 to 70	-20 to 70
Secondary Buffer Diameter (2mm and 3mm)	µm	900±50	900±50	500



Ordering Information

MTP/MPO TO LC/SC FANOUTS BASE-12												
GN-XY-12345678-9												
GN-	X	MTP/MPO Side	Y-	Connector Fibre Number	1	Performance	2	Connector Type	3	Fibre Count	4	Fibre Mode
	MPF	MPO-FEMALE	12	12-FIBRE MTP/MPO	S	Standard	LC	LC	12	12 Fibre	A1	G657A1-SM
	MPM	MPO-MALE	24	24-FIBRE MTP/MPO	P	Premium	LA	LC/APC	24	24 Fibre	A2	G657A2-SM
	MTF	MTP-FEMALE					LU	LC UNIBOOT	48	48 Fibre	OM3	OM3-MM
	MTM	MTP-MALE					LAU	LCA UNIBOOT	72	72 Fibre	OM4	OM4-MM
							LCS	LC SWITCH	96	96 Fibre	OM5	OM5-MM
							LAS	LCA SWITCH	144	144 Fibre		
							SC	SC				
							SA	SC/APC				

5	Cable Construction	6	Jacket Colour	7	Jacket Material	8-	Tail Configuration	9	Length in Meters			
SJ	Single	Y	Yellow	LZ	LSZH	SG	Staggered	xxM	xx to be replaced with length eg: use 15M for 15 Meters length			
DJ	Micro Double	AQ	Aqua	LB	LSZH B2ca	FO	Fanout					
		EV	Erika Violet	LC	LSZHCca							
		B	Black	PE	PE							
		LG	Lime Green	NR	OFNR							
				NP	OFNP							
				VC	PVC							
	Part Number				Product Description							
e.g.	GN-MPF12-PLC48OM4DJEVLZSG-15M				Giganet MPO(F)12 to LC fanout, Prem,48F,OM4, Double jacket 4.5mm, Erika violet LSZH, Staggered , 15 mtr							