

Product overview

Giganet MTP/MPO QSFP Fanouts are small form factor high density fibre connector assemblies that breakout into discrete single ferrule connectors. Our MTP/MPO Fanouts are specifically designed for QSFP 40G to 10G transition application to connect between equipment or to interconnect modules/panels in a data center. The fanouts can also be used for transitions between high to low bandwidth equipments. The fanouts are available in Micro cable single or double jacket options 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.

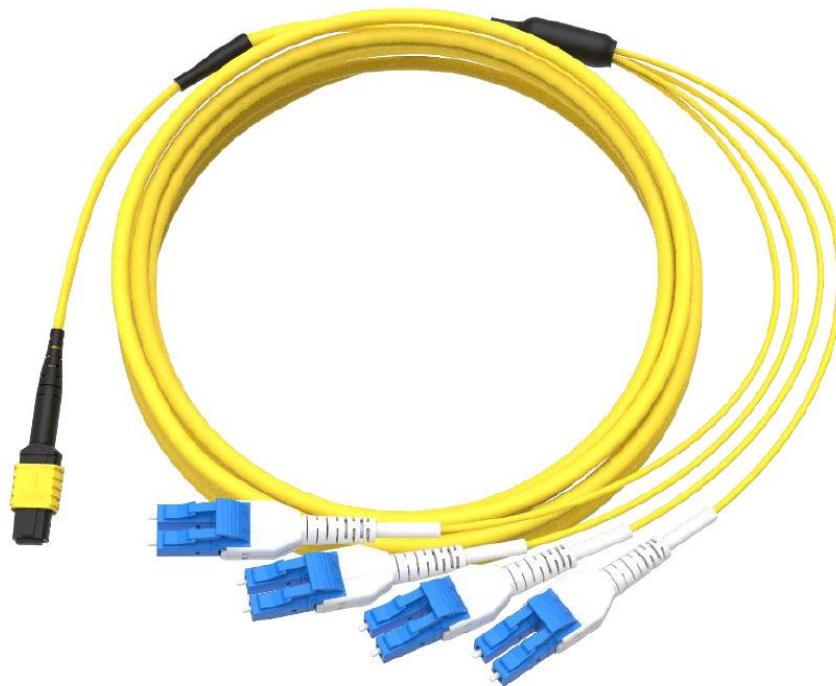


Figure 1.
Giganet MTP/MPO TO LC QSFP BASE-8 40G FANOUTS

Product Features and Applications

FEATURES

MTP/MPO to connect 40G QSFP transceiver, LC to connect 10G SFP

Cable terminated with low loss 8 fiber 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

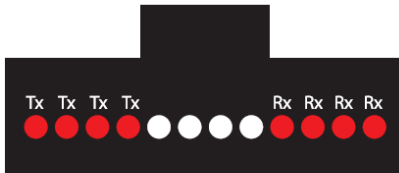
APPLICATIONS

Telecommunication networks

Data centers

Supports SFP, QSFP, CFP applications

40G to 10G transition



40G BASE-SR4, 8 Fibre 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	250

