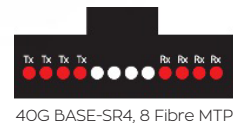


MTP/MPO

LC QSFP FANOUT



Codecom 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 equipments 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 Elite versions to cater customer's power budget requirements.

Features

- MPO to connect 40G QSFP transceiver, LC to connect 10G SFP
- Cable terminated with low loss 8 fibre MPO Connectors
- All Assemblies are factory tested and come with test certificate
- Factory pre-terminated assemblies with protocol for constant and reliable quality

Application

- Telecommunication networks
- Data centers
- Supports SFP, QSFP, CFP applications
- 40G to 10G transition

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SMTP/MPO CONNECTOR SPECIFICATION

Parameters	Units	Parameters	Units	APC
Max IL - Standard	dB ≤ 0.75	Average IL	dB	≤ 0.25
Return Loss SM (PC/APC)	dB ≥ 60			
Max IL- Premium	dB ≤ 0.35	Average IL	dB	≤ 0.10
Return Loss (PC/APC)	dB ≥ 60			

CONNECTOR SPECIFICATION

Parameters	Units	Parameters	Units	PC	APC
Insertion Loss - Standard	dB ≤ 0.3	ROC -2.5mm	mm	5-30	5-12
Return Loss SM (PC/APC)	dB ≥ 50/60	ROC -1.25mm	mm	5-30	5-12
Insertion Loss - Premium	dB ≤ 0.15	Apex offset	µm	0-70	0-70
Return Loss (PC/APC)	dB ≥ 55/65	Fibre height	nm	-100 - a	-100 - a
		APC angle	degree	-	7.7-8.3

CABLE CHARACTERISTICS

Cable Characteristics	Units	Simplex
Cable Material		LSZH/PVC
Strength Member		Aramid/FRP
Cable Diameter	mm	Single jacket 12F- 3 Double jacket 12F- 4.5 Double jacket 24F - 4.5
Tensile Strength	N	Single jacket 12F- 200/60 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)

*** For higher fibre counts please refer to our cable datasheet

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FANOUT CABLE CHARATERISTICS

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 (2&3mm)	µm	900±50	900±50	250

ADDITIONAL DETAILS

40G QSFP to 10G SFP routing

