



NEXCONEC MPO/MPO Fanouts are small form factor high density fiber connector assemblies that breakout into discrete single ferrule connectors. Our MPO/MPO Fanouts are suitable for up to 100G applications 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 and double jacket options suitable and individual connectors are available as simplex/duplex/round duplex cable options. The MPO/MPO and single ferrule connectors are available in Standard and Elite versions to cater customer's power budget requirements.

#### FEATURES

- Small factor breakout module from MPO to LC or SC tails 2.0mm SX, DX or Uniboot
- Cable terminated with low loss 12 or 24 fiber MPO Connectors.
- Available in custom length and cable construction from 12 to 144 fibers.
- All Assemblies are factory tested and come with test certificate

#### APPLICATION

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



12 Fibre MTP

### MPO/MPO CONNECTOR SPECIFICATION

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 SPECIFICATION

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	MICROCABLE
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– 200/100 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)

\*\*\* For higher fiber counts please refer to our cable datasheet

### 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

**ORDERING INFORMATION**

MO	1	2	3	4	5	6	7	8	DIST
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MO	1	2	CONNECTOR	3	4	FIBER	5	CABLE CONSTRUCTION	6	JACKET COLOR	7	JACKET MATERIAL	8	TAIL CONFIG
M1	12F MPOF STD	S1	SC	12-144	2D	G652D	S	micro single	Y	YELLOW	L	LSZH	E	STAGGERED
M2	12F MPOM STD	S2	SCA		A1	G657A1	D	micro double	O	ORANGE	C	PVC	T	FANOUT
M3	12F MPOF ELITE	L1	LC		A2	G657A2			Q	AQUA	R	OFNR		
M4	12F MPOM ELITE	L2	LCA		O1	OM1			V	ERICA VIOLET	P	OFNP		
K1	24F MPOF STD	L3	LC UNIBOOT		O2	OM2			B	BLACK	E	PE		
K2	24F MPOM STD	L4	LCA UNIBOOT		O3	OM3								
K3	24F MPOF ELITE	L5	LC SWITCH		O4	OM4								
K4	24F MPOM ELITE	L6	LCA SWITCH											

\*For MTP/MPO from USCONEC, above PN must start with MT instead of MO.