

MTP®/MPO TRUNKS **BASE-24**




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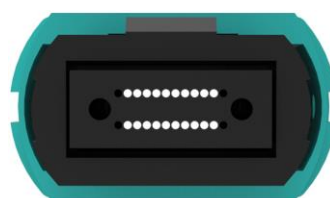
NEXCONEC® MTP®/MPO 24 fiber ferrule cable assemblies are designed for cable infrastructures which are currently used for, or which are due to be upgraded to, parallel optics 40/100G protocols such as 100G BASE-SR10 or 40G BASE-SR4. The Assemblies are built using 24 fiber ferrule interface, MTP®/MPO connectors, which can be used directly with CFP/CXP 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/ fiber channel protocol networks.

FEATURES

- ✓ Conform to IEC, EIA-TIA, and Telcordia performance requirements
- ✓ All Assemblies are machine polished providing highest quality
- ✓ Cable terminated with base-20, base-24 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 center infrastructure
- ✓ Parallel optics: 100Gbps protocol



20 Fiber MTP/MPO



24 Fiber MTP/MPO

MTP®/MPO CONNECTOR SPECIFICATIONS

Parameters	IL – Max	IL – Typical	RL
SM – Standard	0.75 dB	0.40 dB	> 60 dB
SM – Premium	0.35 dB	0.20 dB	> 60 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				
Fiber Count		24F	48F	72F	96F	144F
Outer Diameter	mm	4.5	9.6	11.2	13.3	17.5
Tensile Strength (Long Term)	N	150	200	300	300	300
Tensile Strength (Short Term)	N	400	600	1000	1000	1000
Crush Resistance (Short Term)	N/100mm	1000	1000	1000	1000	1000
Cable/Tail Material		LSZH or PVC				
Strength Member		Aramid Yarn				
Operating Temperature	°C	-20 ~ +70				
Minimum Bending Radius	mm	10D (Static) / 20D (Dynamic)				
CPR Reaction to Fire Classification	Certified	Cca-s1a,d0,a1	B2ca-s1a,d0,a1			

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

ORDER 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	POLARITY
	K1	K1	24F MPOF STD	24-144	2D	G652D	D	Micro Double	Y	YELLOW	L	LSZH	A	POL A
	K2	K2	24F MPOM STD		A1	G657A1			O	ORANGE	R	OFNR	B	POL B
	K3	K3	24F MPOF ELITE		A2	G657A2			Q	AQUA	P	OFNP	C	POL C
	K4	K4	24F MPOM ELITE		O1	OM1			V	ERICA VIOLET	LC	LSZH Cca		
					O2	OM2			B	BLACK				
					O3	OM3			G	LIME GREEN				
					O4	OM4								
					O5	OM5								

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

FIBER MAPPING

There are three different 24-fiber MTP®/MPO-to-MTP®/MPO backbone cables defined in the TIA standard (TIA-568.3-D). The three different cables: Type A, B and C are used for the 3 different connectivity Methods A, B and C respectively.

