

## MTP<sup>®</sup>/MPO TRUNKS **BASE-1x16**




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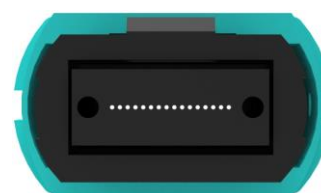
NEXCONEC<sup>®</sup> MTP<sup>®</sup>/MPO 1x16 fiber ferrule cable assemblies are designed for cable infrastructures which are currently used for, or which are due to be upgraded to, parallel optics 40/100G protocols such as 100G BASE-SR10 or 40G BASE-SR4. The Assemblies are built using 1x16 fiber ferrule interface, MTP<sup>®</sup>/MPO connectors, which can be used directly with 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-1x16 fiber MTP<sup>®</sup>/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



16 Fiber MTP/MPO

**MTP®/MPO CONNECTOR SPECIFICATIONS**

Parameters	IL – Max	IL – Typical	RL
<b>SM – Standard</b>	0.75 dB	0.40 dB	> 55 dB
<b>MM – Standard</b>	0.60 dB	0.40 dB	> 20 dB
<b>MM – Premium</b>	0.35 dB	0.20 dB	> 20 dB

\*\*\* For single mode, unavailable in premium grade.

**CABLE CHARACTERISTICS**

Cable Characteristics	Units	MICROCABLE
<b>Cable Material</b>		LSZH /PVC
<b>Strength Member</b>		Aramid/FRP
<b>Cable Diameter</b>	mm	Double jacket 16F – 4.5
<b>Tensile Strength</b>	N	Double jacket 16F – 400/150
<b>Crush</b>	N/100mm	1000
<b>Operating Temperature</b>	°C	-20 ~ +70
<b>Minimum Bending Radius</b>	mm	10D (installed) / 20D (loaded)
<b>CPR Reaction to Fire Classification</b>	Certified	Cca-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
K6	K6	16F MPOF STD	16-144	2D	G652D	D	Micro Double	Y	YELLOW	L	LSZH	A	POL A	
K7	K7	16F MPOM STD		A1	G657A1			O	ORANGE	R	OFNR	B	POL B	
K8	K8	16F MPOF ELITE		A2	G657A2			Q	AQUA	P	OFNP	C	POL C	
K9	K9	16F 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® from USCONEC, above PN must start with MT instead of MO.