

## MTP®/MPO CONVERSION TRUNKS **1x(BASE-16)** to **2x(BASE-8)**




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The NEXCONEC® MTP®/MPO Conversion Trunk Cables are compact, high-density fiber connector assemblies designed for use in high-density environments. Unlike MTP®/MPO Trunk cables, MTP®/MPO conversion trunk cables are terminated with MTP®/MPO connectors on both ends and can provide more possibilities for the existing 16-fiber cabling system.

These trunks are ideal for connecting equipment or interconnecting modules/panels in data center applications up to 400G, linking two InfiniBand 200G QSFP56 or optical QSFP56 transceivers transmission to 400G QSFP-DD or optical QSFP-DD/OSFP transceiver transmission. Our MTP®/MPO connectors come in both Standard and Elite versions to accommodate the varying power budget needs of our customers.

### FEATURES

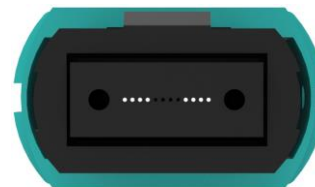
- ✓ Conform to IEC, EIA-TIA, and Telcordia performance requirements
- ✓ All Assemblies are machine polished providing highest quality
- ✓ Cable terminated with **1x (base-16) & 2x (base-8)** fiber MTP®/MPO Connectors
- ✓ Optional MPO push/pull release boot
- ✓ Available in custom length and cable construction is 16 fibers
- ✓ 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, Co-location DC
- ✓ LAN or Campus wide Network
- ✓ Supports up to 400G applications



16 Fiber MTP/MPO



8 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

\*\*\* For single mode premium grade is only available with Usconec MTP.

## CABLE CHARACTERISTICS

Parameters	Units	Value
Fiber Count		16F
Number of Fibers per Tube		16
Number of Micro Tubes		1
Outer Diameter	mm	Double jacket 16F – 4.5
Tail Diameter	mm	3.0
Tensile Strength (Long Term)	N	150
Tensile Strength (Short Term)	N	400

<b>Crush Resistance (Long Term)</b>	N/100mm	300
<b>Crush Resistance (Short Term)</b>	N/100mm	1000
<b>Min. Bending Radius</b>	mm	10D (Static) / 20D (Dynamic)
<b>Cable Jacket Material</b>		LSZH or PVC
<b>Strength Member</b>		Kevlar, Aramid Yarn
<b>Storage Temperature</b>	°C	-20 ~ +70
<b>Operating Temperature</b>	°C	-20 ~ +70
<b>Installation Temperature</b>	°C	-10 ~ +50
<b>Compliance</b>		RoHS, REACH & SvHC
<b>CPR Reaction to Fire Classification</b>	Certified	Cca-s1a,d0,a1

## ORDER INFORMATION

MO	1	2	3	4	5	6	7	8	DIST
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MO	1	CONNECTOR	2	CONNECTOR	3	4	FIBER	5	CABLE CONSTRUCTION	6	JACKET COLOR	7	JACKET MATERIAL	8	POLARITY
	K6	16F MPOF STD	G1	8F MPOF STD	16-144	2D	G652D	D	Micro Double	Y	YELLOW	L	LSZH	A	POL A
	K7	16F MPOM STD	G2	8F MPOM STD		A1	G657A1			O	ORANGE	R	OFNR	B	POL B
	K8	16F MPOF ELITE	G3	8F MPOF ELITE		A2	G657A2			Q	AQUA	P	OFNP	C	POL C
	K9	16F MPOM ELITE	G4	8F 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.