

## MTP<sup>®</sup>/MPO CONVERSION TRUNKS 1x(BASE-8) to 2x(BASE-4)



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NEXCONEC<sup>®</sup> MTP<sup>®</sup>/MPO (Base-8) Conversion Trunks are compact, high-density fiber assemblies designed to optimize cabling architecture in high-speed environments. Unlike standard trunks, these conversion assemblies provide a 1x8F to 2x4F breakout configuration, offering critical flexibility for next generation **400G, 800G** architectures.

These trunks are specifically engineered for Twin-port OSFP 800G transceiver applications where signal splitting is required. In this configuration, the 4-channel (8-fiber) end connects to one port of a Twin-port OSFP transceiver. The signal is then split into two separate 2-channel ends, which connect to single-port **400G OSFP** or **QSFP112** transceivers, enabling **200G** transmission rates using just 2 lanes per link.

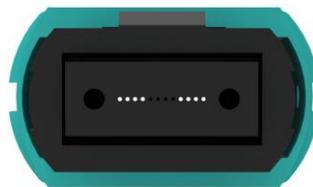
By utilizing two of these splitter cables in a single Twin-port OSFP transceiver, operators can effectively distribute four 2-channel links to four independent transceivers. Our MTP<sup>®</sup>/MPO connectors are available in both Standard and Elite versions to suit strictly defined power budget requirements.

### FEATURES

- ✓ Conform to IEC, EIA-TIA, and Telcordia performance requirements
- ✓ All Assemblies are machine polished providing highest quality
- ✓ Cable terminated with **1x (base-8) & 2x (base-4)** fiber MTP<sup>®</sup>/MPO Connectors
- ✓ Optional MPO push/pull release boot
- ✓ Available in custom length and cable construction is 8 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 400G/800G applications



8 Fiber MTP/MPO



4 Fiber MTP/MPO

## MTP<sup>®</sup>/MPO CONNECTOR SPECIFICATIONS

Parameters	IL – Max	IL – Typical	RL
SM APC – Standard	0.75 dB	0.40 dB	> 60 dB
SM APC – 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.

Note: MTP<sup>®</sup>/MPO Single mode (SM) Connectors are APC by default. But Multimode (MM) Connectors are available in UPC and APC options.

## CABLE CHARACTERISTICS

Parameters	Units	Value
Fiber Count		8F
Number of Fibers per Tube		8
Number of Micro Tubes		1
Outer Diameter	mm	single jacket 8F – 3.0mm
Tail Diameter	mm	3.0
Tensile Strength (Long Term)	N	60
Tensile Strength (Short Term)	N	200

<b>Crush Resistance (Long Term)</b>	N/100mm	200
<b>Crush Resistance (Short Term)</b>	N/100mm	500
<b>Min. Bending Radius</b>	mm	10D (Static) / 20D (Dynamic)
<b>Polarity</b>		“Crossover” Type-B Polarity
<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

Ask Sales for Order Details: [sales@nexconec.com](mailto:sales@nexconec.com)

Or [Contact Us](#) by filling website contact form, one of our colleagues will get back to you shortly!