

## MTP/MPO Pre-terminated Trunk Cable



MTP/MPO trunk cables connect MTP/MPO modules together as a permanent link. They facilitate rapid deployment of high-density backbone cabling in data centers and other high density fiber environments, reducing network installation or reconfiguration time and cost. Its efficient plug-and-play structure greatly reduces the initial installation and routine maintenance costs. Pre-terminated trunk cables can also be used with plug and play modules or MTP/MPO connector panels to achieve multi-level connection. Pre-terminated trunk cable can also be extended by MTP/MPO panel with plug-and play module. They are used to interconnect module cassettes, panels or ruggedized MTP/MPO fanouts, spanning MDA, HDA and EDA zones.

### Applications

- Data Centers
- 40/100G applications
- Storage area network- fiber channel
- Parallel optics
- InfiniBand
- The internal connector application in fiber equipment

### Features

- Low insertion loss and high return loss
- High precision MPO/MTP connector
- PC UPC APC end face polish
- Up to 384 fibers – ideal for high density applications
- 100% factory terminated and tested
- Pulling eyes are provided as an option to protect the fiber ends during installation

- Save installation and reconfiguration time
- Customized length available
- ROHS Compliant

## Standards Compliance

- TIA/EIA 568.3-D
- EIA/TIA 604-5
- IEC 61754-7
- IEC 61753-1
- GR 1435-CORE

## General Specification

Construction	Description					
Fiber Count	4-384 Fibers					
Fiber Mode	Single mode: G652/G657 Multimode: OM1 OM2 OM3; OM4					
Fiber Brand	Corning SMF-28® Ultra optical fiber Corning ClearCurve® multimode fiber					
Cable Jacket Material	Low Smoke Zero Halogen (LSZH) PVC					
Cable Jacket Ratings	Riser (OFNR) Plenum (OFNP)					
Cable Jacket Color	G.652/G.657: Yellow OM1/OM2: Orange OM3: Aqua OM4: Aqua/Magenta or Customized					
Polarity	Type A, Type B, Type C (TIA-568.3-D)					
Connector Ferrule	12F/16F/ 24F/32F/48F					
Connector Type	Male; Female					
Connector Brand	US Conec MTP, Senko MPO, Nissin MPO, Sanwa MPO, FURUKAWA MPO					
Connector Color		SM(APC)	SM(PC)	OM3	OM4	or customized
	Low Loss	Yellow	Yellow	Aqua	Magenta	
	Standard	Green	Blue	Aqua	Magenta	
Connector Boot Color	Green/Black/Red/Gray or Customized					
Pulling Eye	Customized					
Operating Temperature	-20°C to + 70°C					
Storage Temperature	-40°C to + 85°C					

Information and specifications are subject to change without notice.  
Please visit [www.china-tscom.com](http://www.china-tscom.com) for more information

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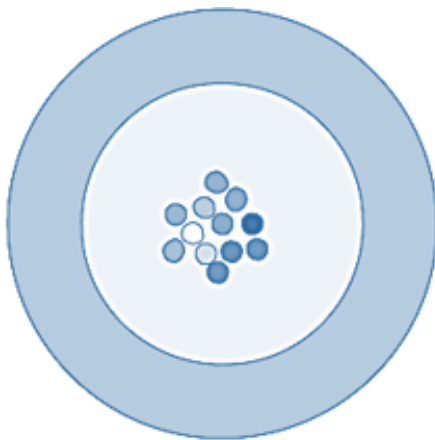


## Technical Specification

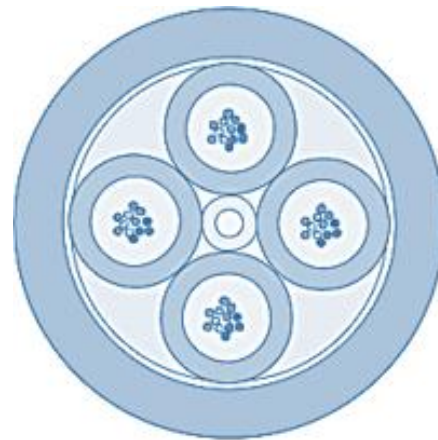
Optical Properties	Singlemode	Multimode
Insertion Loss (dB)	Low loss $\leq 0.35$ (Typical: $\leq 0.25$ )	Low loss $\leq 0.35$ (Typical: $\leq 0.2$ )
	Standard Loss $\leq 0.75$ (Typical: $\leq 0.4$ )	Standard Loss $\leq 0.6$ (Typical: $\leq 0.35$ )
Return Loss (dB)	PC $\geq 50$ ; APC $\geq 60$	PC $\geq 20$ ; APC $\geq 40$
Durability	$\leq 0.2$ dB typical change, 50 matings	
Wavelength (nm)	Singlemode: 1310/1550, Multimode: 850/1300	

**Note:** IL&RL Test method: IEC 61300-3-4 insertion B.

## Typical Cable Structures



12F Structure



(12 x N) F Structure

## Trunk Cables of Different Structures



Trunk Cable - Bundle



Trunk Cable

## Pulling Elements



Net-tube pulling eye



Corrugated pipe pulling element

## Spool Packaging



Paper Spool



Plastic Spool



Wooden Spool