

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
	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 for more information

8 Jinxiu Middle Road, Pingshan, Shenzhen, Guangdong, 518118, P. R. China
+86 755 32983688 | info@china-tscom.com | www.china-tscom.com

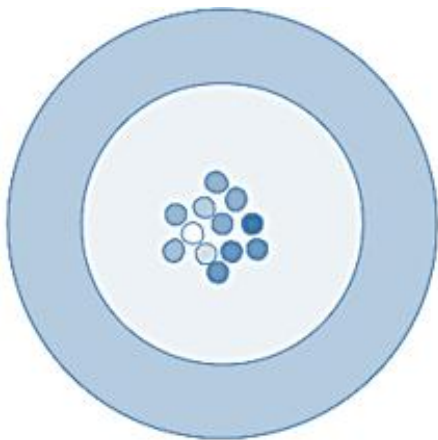


Technical Specification

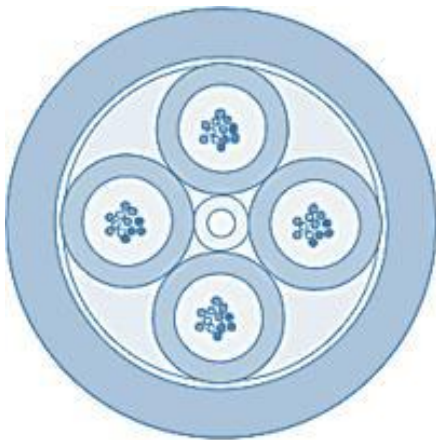
Optical Properties	Singlemode	Multimode
Insertion Loss (dB)	Low loss $\leq$ 0.35 (Typical: $\leq$ 0.25)	Low loss $\leq$ 0.35 (Typical: $\leq$ 0.2)
	Standard Loss $\leq$ 0.75 (Typical: $\leq$ 0.4)	Standard Loss $\leq$ 0.6 (Typical: $\leq$ 0.35)
Return Loss (dB)	PC $\geq$ 50; APC $\geq$ 60	PC $\geq$ 20; 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