

MTP/MPO Shuffle Cable



Like MTP/MPO cable, MTP/MPO Shuffle cable is also used for connecting MTP modules together as a permanent link, and be used with plug and-play modules or MTP/MPO connector panels to achieve multi-level connection of the extension of the pre-terminated trunk cable can also be extended by MTP/MPO panel with plug-and play module. They are used to interconnect cassettes, panels or ruggedized MTP/MPO fanouts, spanning MDA, HDA and EDA zones. The difference is that its optical fiber routing is formulated according to the requirements of the optical connection at the construction site, which can realize special optical fiber routing different from the conventional polarity, reducing network installation or reconfiguration time and cost.

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 288 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	12-288 Fibers																		
Fiber Mode	Single mode:G652/G657 Multimode:OM1 OM2 OM3; OM4																		
Fiber Brand	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	G652/G657: Yellow OM1/OM2:Orange OM3: Aqua OM4: Aqua/Magenta or Customized																		
Polarity	Customized																		
Connector Ferrule	12F, 16F, 24F, 32F, 48F																		
Connector Ferrule Brand	US Conec, HANKUSAN, Nissin																		
Connector Type	MTP Female, Male; MPO Female, Male																		
Connector Brand	US Conec MTP, Senko MPO, Nissin MPO, Sanwa MPO, FURUKAWA MPO																		
Connector Color	<table border="1"> <thead> <tr> <th>Ferrule</th> <th>SM(APC)</th> <th>SM(PC)</th> <th>OM3</th> <th>OM4</th> <th></th> </tr> </thead> <tbody> <tr> <td>Low loss</td> <td>Yellow</td> <td>Yellow</td> <td>Aqua</td> <td>Magenta</td> <td>or</td> </tr> <tr> <td>Standard</td> <td>Green</td> <td>Blue</td> <td>Aqua</td> <td>Magenta</td> <td>Customized</td> </tr> </tbody> </table>	Ferrule	SM(APC)	SM(PC)	OM3	OM4		Low loss	Yellow	Yellow	Aqua	Magenta	or	Standard	Green	Blue	Aqua	Magenta	Customized
	Ferrule	SM(APC)	SM(PC)	OM3	OM4														
	Low loss	Yellow	Yellow	Aqua	Magenta	or													
Standard	Green	Blue	Aqua	Magenta	Customized														
Connector Boot Color	Green/Black/ 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

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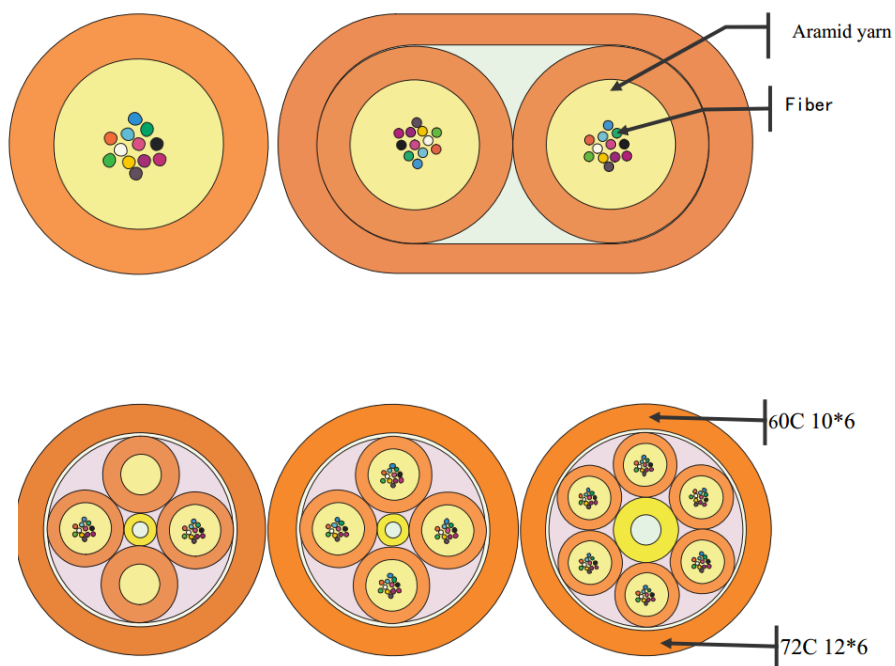


Technical Specification

Optical Properties	Single mode		Multimode	
	Low loss	Standard	Low loss	Standard
Insertion Loss (dB)	≤ 0.35 (Typical: ≤ 0.25)	≤ 0.75 (Typical: ≤ 0.4)	≤ 0.35 (Typical: ≤ 0.2)	≤ 0.6 (Typical: ≤ 0.35)
Return Loss (dB)	PC ≥ 50 ; APC ≥ 60		PC ≥ 20 ; APC ≥ 40	
Wavelength (nm)	1310/1550		850/1300	
Durability	≤ 0.3 (dB) typical change, 50 matings			

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

Typical Cable Structure



Pulling Elements



Spool Packaging

