

MTP/MPO Shuffle Cable



Like MTP/MPO cable, MTP/MPO Shuffle cable is also used for connect MTP modules together as a permanent link, and also 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 loss performance
- Up to 288 fibers – ideal for high density applications
- Available in OS1, OS2, G.657A2, OM3, OM4 Fiber Grades – OM1 and OM2 available upon request
- Option for LSZH, OFNP or OFNR cable jacket
- 100% factory terminated and tested
- Pulling eyes are provided as an option to protect the fiber ends during installation
- Save installation and reconfiguration time

Standards compliance

- TIA/EIA-568.3-D and ISO/IEC 11801
- IEC-61754-7 & EIA/TIA-604-5&GR-1435-CORE
- NFPA 262 or IEC 60332
- Compliant to Directive 2002/95/EC (RoHS) and REACH SvHC
- EN 50575
- InfiniBand Compliant

General Specification

Construction	Description					
Fiber Count	12-288 Fibers					
Fiber Mode	Single mode:OS2/G657 (9/125um) Multimode:OM4 (50/125um), OM3 (50/125um)					
Fiber Brand	SMF-28® Ultra optical fiber Corning ClearCurve® multimode fiber					
Cable Jacket Ratings	Riser (OFNR) Plenum (OFNP) Low Smoke Zero Halogen (LSZH)					
Cable Jacket Color	OS2/G657: Yellow 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	Ferrule Low loss Standard	SM(APC) Yellow Green	SM(PC) Yellow Blue	OM3 Aqua Aqua	OM4 Magenta Magenta	or Customized
Connector Boot Color	Green/Black/ or Customized					

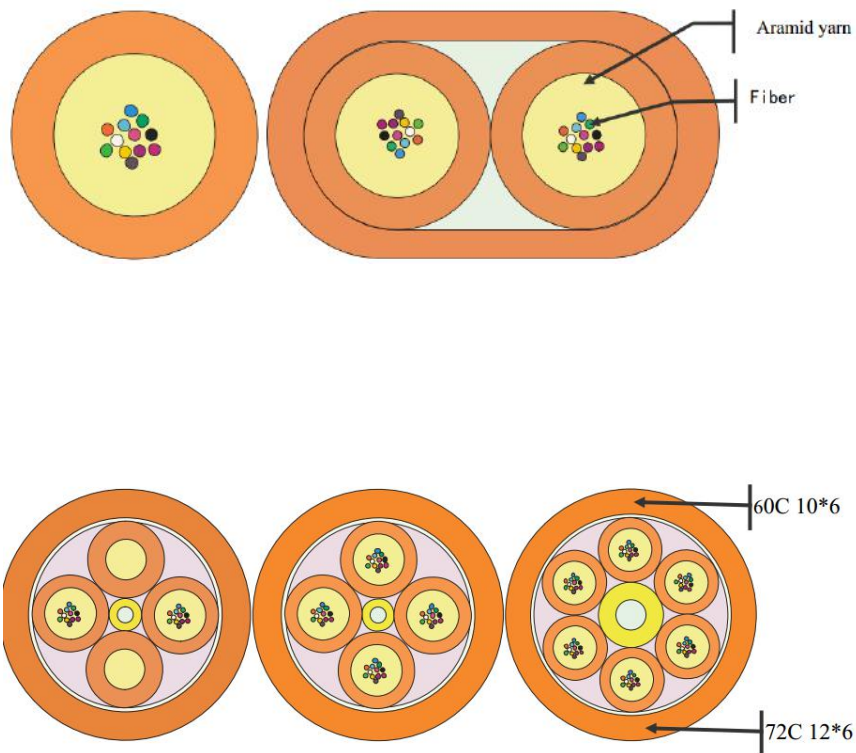
Information and specifications are subject to change without notice.
Please visit www.china-tscom.com for more information.

Pulling eye	Customized
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C

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)	≤0.5(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			
Fiber Attenuation (dB/km)	Single Mode: ≤0.35 at 1310nm, ≤0.2 at 1550nm Multimode: ≤2.3 at 850nm, ≤0.6 at 1300nm			

Typical Cable Structure



Fiber Count	OD(mm)	Nominal Weight(kg/km)	Max.Tension(N)		Max.Crushing Resistane(N/100)	
			Short term	long Term	Short term	long Term
12	3.0±0.1	8.1	150	80	500	150
24	3.0±0.1	8.5	160	80	500	150
24	9.0±0.5	72	500	180	1000	300
36	9.0±0.5	78	500	180	1000	300
48	9.0±0.5	79	600	200	1000	300
60~72	11.2±0.5	126	1000	300	1000	300
96	13.5±0.5	178	1000	300	1000	300
144	17.5±0.5	285	1000	300	1000	300

Note: The true weight of optical cable may have some tolerance with the above stated value.

Pulling Elements



Spool Packaging

