

MPO TRUNK CABLE

72F MPO TRUNK CABLE IN DRUMS



Description

72F MPO TRUNK CABLE is HD MPO Trunk cable which terminated with 6xMPO connectors on both ends. The main cable is a ruggedized multi-unit micro fibers cables which offered a good protection during cable deployment. There are 6 pcs of unit cable with 3.0mm OD. Each unit cable is holds 12 pcs of colors bared fiber

This cable can Support speeds up to 10/40/100Gbps data center solutions. They are typically adopted to interconnect casettes, panels or ruggedized MPO fan-outs, and to facilitate rapid deployment of high-density backbone cabling in data centers and other high fiber environments.

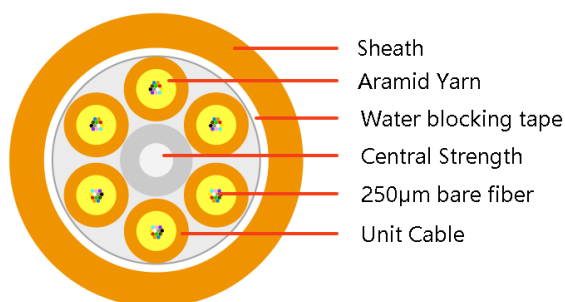


Products Materials-Connector

Connector	Reference	Housing Details
MPO Singlemode	IEC 61754-7	SM APC: Green connectors+black boot (Standard Loss MPO) SM APC: Yellow connectors+black boot (Super low loss MPO)
MPO Multimode	IEC 61754-7	OM1&OM2 PC: Beige connectors+black boot (Standard Loss MPO) OM3&OM4 PC: Aqua connectors+black boot (Standard&Super low loss MPO) OM3&OM4 PC: Heather Violet connectors+black boot (Standard loss MPO)

IEC Standard IEC-61754-7; IEC61755, Telcordia GR-1435-CORE, JIS C5982; TIA-604-5(FOCIS5) compliant

Products Materials-Cables



Item	Contents	Unit	Data
Fiber type	/	/	SM G657A1,G657A2,
Fiber Count	/	piece	72 (6x12F)
Bare fiber	OD	um	245±0.2 in 12 colors
Sub Cable	OD	mm	2.9±0.1
	Strength member	Material	Aramid Yarn
	Jacket	material	LSZH,PE,PVC,TPU,OFNP
Outer sheath	Strength member	Material	Aramid Yarn
	Jacket	material	LSZH,PE,PVC,TPU,OFNP
	OD	mm	11.2±0.3

Optical Specifications

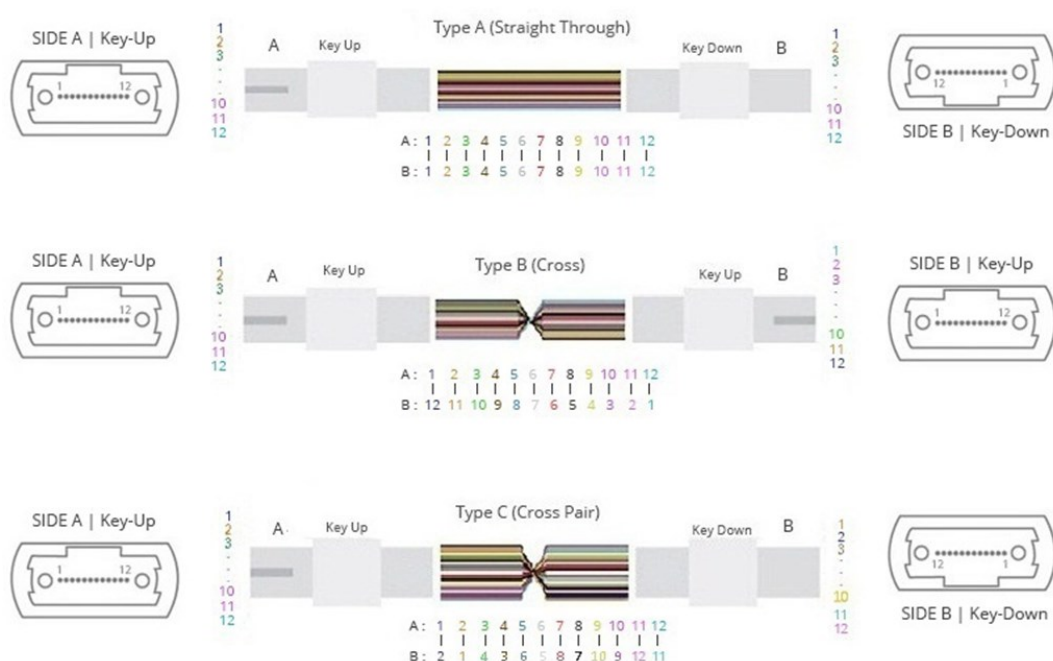
Spec items.	Single mode (APC 8-degree polished)	Multimode (PC Flat polish)
Insertion loss (MPO) (IEC 61300-3-34)	Standard loss: $\leq 0.75\text{dB}(\text{max})$, $\leq 0.50\text{dB}(\text{Typical})$ Super Low loss: $\leq 0.35\text{dB}(\text{max})$, $\leq 0.20\text{dB}(\text{Typical})$	Standard loss: $\leq 0.6\text{dB}(\text{max})$, $\leq 0.50(\text{Typical})$ Super Low loss: $\leq 0.35\text{dB}(\text{max})$, $\leq 0.20\text{dB}(\text{Typical})$
Return loss(MPO)	$\geq 60\text{dB}$ (8degree polishing)	$\geq 25\text{dB}$
Durability	$< 0.3\text{dB}$ typical change, 200 matings	
Interchangeability	$\leq 0.2\text{dB}$	
Tensile strength	$> 70\text{N}$	
Operating Temperature	-40 to $+ 85^{\circ}\text{C}$	

End-Face 3D Interference

Item (IEC-61300-3-30)			Minimum	Maximum
Radius of curvature (mm)	ROC-X(ABS)		2000	\
	ROC-Y(ABS)		50mm	\
Angle	Angle-X		-0.2°	-0.2°
	Angle-Y	APC	7.85°	8.15°
		PC	-0.2°	-0.2°
Fiber height (nm)			1000nm	3500nm
Max.DH.All Fiber:			-300nm	300nm
DH.Adj:			-300nm	300nm
DH.Ave Fiber:			-300nm	300nm
Core Dip:	SM		N/A	N/A
	MM		-200nm	300nm

Polarity

Because 72F MPO/MTP trunk cable's unit connector is 12F MPO/MTP, So it have same polarity as single 12F MPO/MTP trunk cable.

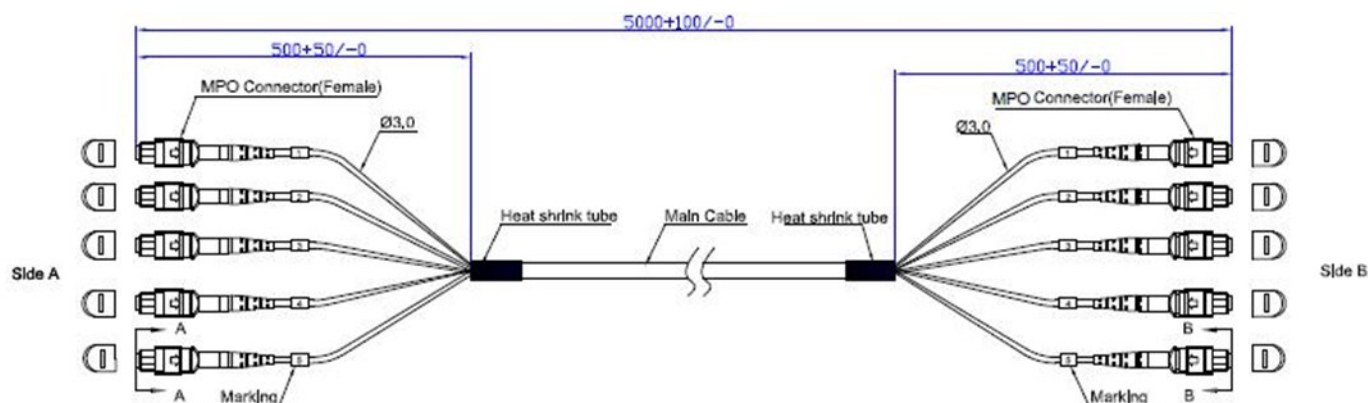


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Drawing



Overall Length(L)(m)	length of tolerance(cm)
0<L<1	+5/-0
1<L<10	+10/-0
10<L<40	+15/-0
40<L	+0.5% x L/-0

OEM Service

- 1, Cable color, printing word, material of cable jacket, connector's color
- 2, OEM Label, Identify ring, cable's label, box, shipping marks
3. Different quality Level.

Features

Low insertion loss, high return loss
MT based Multi-fiber Connector, 4,8,12 and 24 fiber connector terminations and assemblies
Economical solution for mass-termination of fiber
Designed for low loss and standard loss SM and MM applications
Ruggedized round cable, oval cable and bare ribbon options available
Color coded housings available to differentiate fiber type, polish type and/or connector grade
Good in repeatability and exchangeability

Application

The 72F(6x12F) MPO Patch cable/trunk cable is designed for 40G QSFP+ SR4, 40G QSFP+ CSR4 and 100G QSFP28 SR4 optics direct connections and high-density data center.