

Applications

Prose indoor fiber optic trunk cable is used for the rapid deployment of horizontal optical cables and trunk optical cables between intelligent building integrated wiring equipment and various data centers. Standardized parts, de-engineering, to achieve data center optical link factory production. It can be fast installed and save time for data center construction.

Features/Benefits

- Using high grade low loss MPO, LC, SC and other connectors, it meets and exceeds IEC 61745 IEC61755 and other standards.
- Without a single splicing point in the entire trunk cable, each fiber connector is tested in factory for transmission and connectivity performance to ensure minimal insertion loss.
- Support fiber count ranging from 4 to 144 for high-density application.
- G652D, OM3, OM4 and OM5 fiber type are available for different requirements.
- OFN, OFNR, OFNP or LSZH rated outer sheath cables are available.
- The length can be customized according to customer requirements, and branch length and type.

Profile/Outline



MPO Fiber Trunk Cable



MPO-MPO Branch Cable



MPO-LC fan-out Cable



MPO-MPO Patch Cord

Feature

Fiber count	4-144
Connector	MTP/MPO, LC Duplex or customer specified
MTP/MPO polarity	Type A, Type B, Type C (per TIA-568.3-E)
MTP/MPO-LC, LC-LC	Crossover or straight optional
Serial numbers	Printed on cable labels
Temperature range (Installation)	0°C – 50°C
Temperature range (Operating)	-20°C – 60°C

Technical Parameters

Optical Fiber Core	4	8	12	16	24	48	72
Maximum Tensile Strength(N)	1200	1200	1200	1200	1200	3000	3000
Minimum Bending Radius(mm)	160	160	160	164	164	240	250
Minimum Installation Radius(mm)	120	120	120	128	128	180	188
Fiber Optic Fable Impact Resistance(N/cm)	150	150	150	150	150	200	200

Profile/Outline



LC-LC Fan-out Cable



SC-SC Fan-out Cable



FC-FC Fan-out Cable

Connector Parameter

MPO Connector

Product Parameters	OM3/OM4	OM5	OS2 PC	OS2APC
Fitting Type, Grinding Method	Low Loss Type, PC 0°	Low Loss Type, PC 0°	—	Low Loss Type, APC 8°
Insertion Loss(Typical Value)	$\leq 0.15\text{dB}$	$\leq 0.15\text{dB}$	—	$\leq 0.18\text{dB}$
Insertion Loss(Maximum Value)	$\leq 0.30\text{dB}$	$\leq 0.30\text{dB}$	—	$\leq 0.30\text{dB}$
Return Loss(Typical Value)	$\geq 35\text{dB}$	$\geq 35\text{dB}$	—	$\geq 70\text{dB}$
Return Loss(Maximum Value)	$\geq 30\text{dB}$	$\geq 30\text{dB}$	—	$\geq 65\text{dB}$
Linear Sequence	A、B、C	A、B、C	—	A、B、C

LC Connector

Product Parameters	OM3/OM4	OM5	OS2 PC	OS2APC
Fitting Type, Grinding Method	ZrO ₂ , PC 0°	ZrO ₂ , PC 0°	ZrO ₂ , PC 0°	ZrO ₂ , APC 8°
Insertion Loss(Typical Value)	$\leq 0.10\text{dB}$	$\leq 0.10\text{dB}$	$\leq 0.10\text{dB}$	$\leq 0.10\text{dB}$
Insertion Loss(Maximum Value)	$\leq 0.25\text{dB}$	$\leq 0.25\text{dB}$	$\leq 0.25\text{dB}$	$\leq 0.25\text{dB}$
Return Loss(Typical Value)	$\geq 40\text{dB}$	$\geq 40\text{dB}$	$\geq 50\text{dB}$	$\geq 75\text{dB}$
Return Loss(Maximum Value)	$\geq 35\text{dB}$	$\geq 35\text{dB}$	$\geq 45\text{dB}$	$\geq 65\text{dB}$

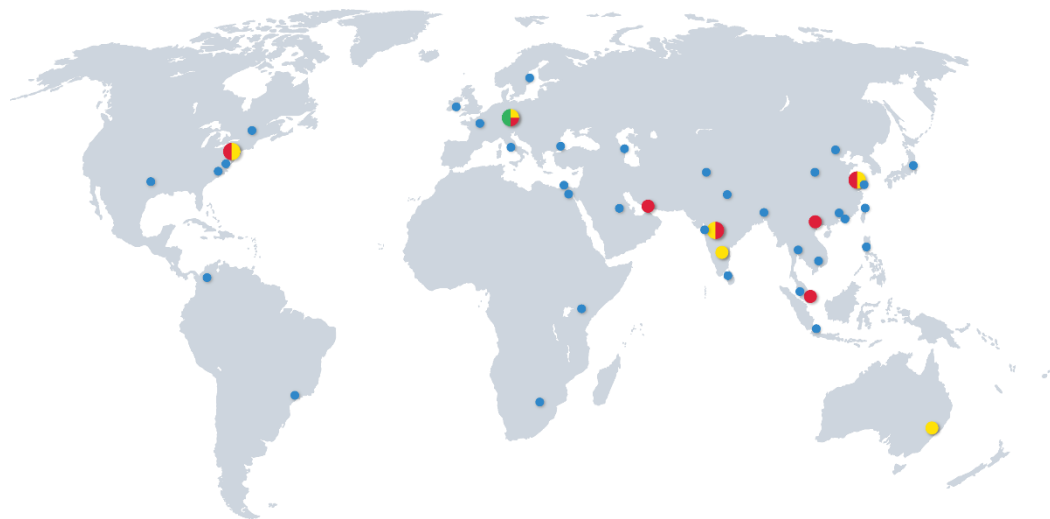
Ordering Information

Category	Fiber Type	-	Fiber Count	Connector L	Connector R	Branch Cable Structure	Outer Sheath	-	Polarity	Length
FT: Fiber Trunk Cable	GD:G652D		01:1F	LC:LC UPC	LC:LC UPC	1: 0.9mm				
	A1:G657A1		02:2F	SC:SC UPC	SC:SC UPC	tight-buffered				
	A2:G657A2		04:4F	FC:FC UPC	FC: FC UPC					
	B2:G657B2		06:6F	ST:ST UPC	ST: ST UPC					
	B3:G657B3		08:8F	MM:MPO Male	MM:MPO Male	2:2.0mm	1:OFN		A:Type A	0010:1m
	M2:OM2		12:12F	MF:MPO Female	MF:MPO Female	(branch diameter)	2:LSZH		B:Type B	0020:2m
	M3:OM3			TM:MTP Male	TM: MTP Male	3:3.0mm	3:OFNR		C:Type C	0030:3m
	M4:OM4		144:144F	TF:MTP Female	TF: MTP Female	(branch diameter)	4:OFNP		G: general	0050:5m
	M5:OM5			LA:LC/APC	LA: LC/APC					0100:10m
				SA:SC/APC	SA: SC/APC					0150:15m
				FA:FC/APC	FA: FC/APC					0200:20m

For Example:

Order Number	Description
FTM3-12MMMM32-B0100	Fiber Trunk Cable, Branch, 12F, OM3, MPO(M)-MPO(M), 3.0mm,LSZH,TypeB,10m
FTM4-12MMMM32-B0160	Fiber Trunk Cable, Branch, 12F, OM4, MPO(M)-MPO(M), 3.0mm,LSZH,TypeB,16m
FTM3-12MFMF32-B0050	Fiber Trunk Cable, Branch, 12F, OM3, MPO(F)-MPO(F), 3.0mm ,LSZH, TypeB, 5m
FTM3-12MFLC22-A0050	Fiber Trunk Cable, Fan-out,12F, OM3, MPO(F)-LC, 2.0mm, LSZH, TypeA, 5m
FTGD-06LCLC22-G0050	Fiber Trunk Cable, Fan-out, 6F, G652D, LC-LC, 2.0mm,LSZH, general, 5m
FTGD-06SCSC22-G0050	Fiber Trunk Cable, Fan-out,6F, G652D, SC-SC, 2.0mm,LSZH, general, 5m

GLOBAL FOOTPRINT



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