

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 Branch Cable

Feature

- Fiber count: 4-144
- Connector: MTP/MPO, LC Duplex or customer specified.
- MTP/MPO polarity: Type A, Type B, Type C, according to TIA-568.3-E.
- MTP/MPO-LC, LC-LC: crossover, straight are optional.
- Serial numbers are on cable labels.
- Temperature range (Installation) : 0-50°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 Branch Cable



SC-SC Branch Cable



FC-FC Branch 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)	≤0.15dB	≤0.15dB	—	≤0.18dB
Insertion Loss(Maximum Value)	≤0.30dB	≤0.30dB	—	≤0.30dB
Return Loss(Typical Value)	≥35dB	≥35dB	—	≥70dB
Return Loss(Maximum Value)	≥30dB	≥30dB	—	≥65dB
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)	≤0.10dB	≤0.10dB	≤0.10dB	≤0.10dB
Insertion Loss(Maximum Value)	≤0.25dB	≤0.25dB	≤0.25dB	≤0.25dB
Return Loss(Typical Value)	≥40dB	≥40dB	≥50dB	≥75dB
Return Loss(Maximum Value)	≥35dB	≥35dB	≥45dB	≥65dB

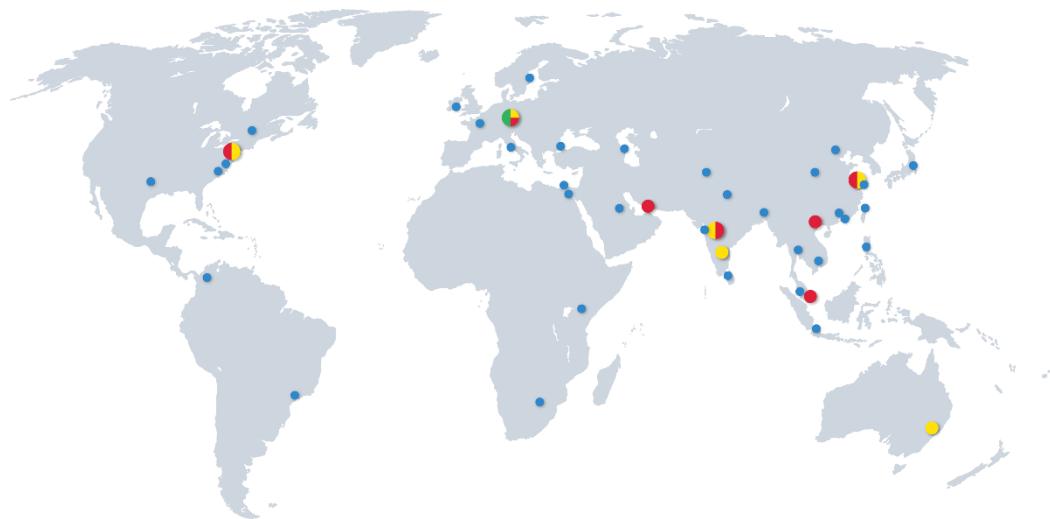
Ordering Information

Category	Fiber Type	-	Fiber Count	Connector L	Connector R	Branch Cable Structure	Outer Sheath	-	Polarity	Length
FT: Fiber Optic Trunk	GD:G652D		01:1F	LC:LC UPC	LC:LC UPC	1:Fiber Trunk default				
	A1:G657A1		02:2F	SC:SC UPC	SC:SC UPC	2:2.0mm				
	A2:G657A2		04:4F	FC:FC UPC	FC: FC UPC	(branch diameter)	1:OFN		A:Type A	0005:0.5m
	B2:G657B2		06:6F	ST:ST UPC	ST: ST UPC		2:LSZH		B:Type B	0010:1m
	B3:G657B3		08:8F	MM:MPO Male	MM:MPO Male	3:0.9mm	3:OFNR		C:Type C	0020:2m
	M2:OM2		12:12F	MF:MPO Female	MF:MPO Female	tight-buffered (branch diameter)	4:OFNP			0030:3m
	M3:OM3			TM:MTP Male	TM: MTP Male					0050:5m
	M4:OM4		144:144F	TF:MTP Female	TF: MTP Female					0100:10m
	M5:OM5			LA:LC/APC	LA: LC/APC					0150:15m
				SA:SC/APC	SA: SC/APC					0200:20m
				FA:FC/APC	FA: FC/APC					

For Example:

Order Number	Description
FTM3-12MFMF12-B0050	Fiber Optic Trunk, 12F, OM3, MPO(F)-MPO(F), LSZH, Type B, 5m
FTM3-12MFLC22-A0050	Fiber Optic Trunk, 12F, OM3, MPO(F)-LC, LSZH, Type A, 5m
FTGD-06LCLC22-A0050	Fiber Optic Trunk, 6F, G652D, LC-LC, LSZH, Type A, 5m
FTGD-06SCSC22-A0050	Fiber Optic Trunk, 6F, G652D, SC-SC, LSZH, Type A, 5m

GLOBAL FOOTPRINT



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