

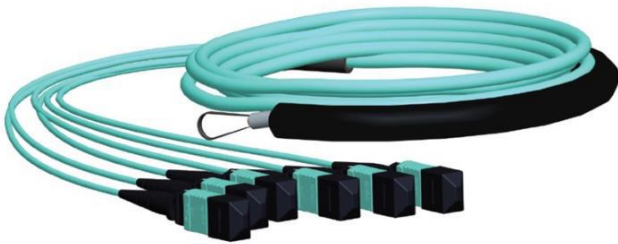
Optical Assemblies (MPO Trunk Cables)

CISFIBER Infra Solution's MPO trunk cable assembly is a multi-fiber cable with MPO pre-terminated on both ends. It can realize the fast connection in data center or industry workshops for the backbone networks. The fiber count in the cable can be from 12F up to 144F, customized products are also available. The fibers can be either single mode or multimode fibers. The cable sheath is available for either indoor or outdoor environment.

Fiber Optic Cabling: MPO Trunk Cables



All materials are RoHS Compliant



Performance Specification:

Products comply to GR-326, GR-1435

Connector Type			Standard		Low Loss	
Connector	Mode	Endface	IL dB	RL dB	IL dB	RL dB
MPO	SM	12F/APC	≤ 0.50	≥ 60	≤ 0.35	≥ 60
		24F/APC	≤ 0.75	≥ 60	≤ 0.50	≥ 60
	MM	12F/PC	≤ 0.50	≥ 20	≤ 0.35	≥ 20
		24F/PC	≤ 0.50	≥ 20	≤ 0.35	≥ 20

IL/RL are measured against reference connectors

Typical Characteristics:

Item	Criteria	Conformance
ΔIL after 50 mating	≤ 0.3 dB	GR-1435
Min Bend Radius (Dynamic)	20 x OD (Cable Diameter)	
Min Bend Radius (Static)	10 x OD (Cable Diameter)	
Test Wavelength		
SM	1310nm / 1550nm	
MM	850nm / 1300nm	

Features

- 100% pre-terminated and tested in factory to ensure transfer performance
- Rapid configuration and networking, reduce installation time
- Supports 40G and 100G network applications
- Flammability: LSZH, OFNR, OFNP available
- Supports up to 12F, 24F, 48F, 72F, 96F, 144F, customized products are available

APPLICATIONS

- Optical distribution
- Wide Network Area
- CATV
- Passive Optical Network
- Local Area Network
- FTTx application

ORDERING GUIDE

Product Family		Fiber Count		Fiber Type		Jacket Type		Connector A		Fan Out Length		Connector B		Fan Out Length		Cable Length	
Type	Catalog Code	Type	Catalog Code	Type	Catalog Code	Type	Catalog Code	Type	Catalog Code	Type	Catalog Code	Type	Catalog Code	Type	Catalog Code	Type	Catalog Code
MPO Trunk	MPOT	12 Fibers	12	OS2	S2	LSZH	LS	12F Male MPO APC Singlemode	1MA	Length	XXX.XX	12F Male MPO APC Singlemode	1MA	Length	XXX.XX	Length	XXX
		24 Fibers	24	OM3	M3	OFN	ON	12F Male MPO PC Multimode	1MP	Single Connector	-	12F Male MPO PC Multimode	1MP	Single Connector	-		
		48 Fibers	48	OM4	M4	OPNP	OP	12F Female MPO APC Singlemode	1FA			12F Female MPO APC Singlemode	1FA				
		72 Fibers	72			OFNR	OR	12F Female MPO PC Multimode	1FP			12F Female MPO PC Multimode	1FP				
		96 Fibers	96					24F Male MPO APC Singlemode	2MA			24F Male MPO APC Singlemode	2MA				
		144 Fibers	144					24F Male MPO PC Multimode	2MP			24F Male MPO PC Multimode	2MP				
								24F Female MPO APC Singlemode	2FA			24F Female MPO APC Singlemode	2FA				
								24F Female MPO PC Multimode	2FP			24F Female MPO PC Multimode	2FP				

Part Number Example:

MPOT12M4LS1MP1MP010—MPO/PC Trunk 12F OM4 LSZH 10 Meters

MPOT24S2LS2MA2MA010— MPO/APC OS2 SM Trunk 24F LSZH 10 Meters

MPOT48FS2LS1MA0.51MA3.0015—MPO/APC OS2 SM Trunk 12F-12F 0.5m/3.0m, 15Meters