

MTP/MPO Cable

Descriptions

Anylink offers a wide range of MTP/MPO products including single mode or multimode MPO and MTP fiber cable, The MPO fiber cable connectors utilize precision molded MT ferrules, with metal guide pins and precise housing dimensions to ensure fiber alignment when mating. The MPO fiber cable can be mass terminated in combinations of 4, 8, 12, 24, 48 fiber ribbon cables.

Features

- ▶ Improves and simplifies fiber routing
- ▶ Low Insertion Loss, High Return Loss.
- ▶ High quality Ferrule, High Density
- ▶ Compliant Telcordia GR-326-CORE, Rohs



Applications

- ▶ Data center systems
- ▶ Telecommunication systems
- ▶ Optical access networks(40G/100G SFP, SFP+ , etc.)

Specifications

Parameter		Specification	
Operating wavelength(nm)		SM	MM
		1310/1550	850/1300
Fiber type		OS2, G652, G657 etc	OM1, OM2, OM3, OM4 etc
Insertion loss(dB)	Ultra low loss MTP	IL≤0.35	IL≤0.30
	Normal MTP	IL≤0.70	IL≤0.6
	MPO	IL≤0.70	IL≤0.70
Return loss(dB)	MTP or MPO	RL(UPC)≥25dB RL(APC)≥60dB	/
Fiber Arrangement		Fiber Polarity: UU=Key-up/Key-up Construction; UD=Key-up/Key-down Construction	
MTP or MPO tube type		Flat cable, Round cable, Bare ribbon	
Repetitiveness (dB)		≤0.10	
Interchangeability (dB)		≤0.20	
Durability		MTP or MPO Plug-in & out≥500 times	
Operating temp		-40°C to +80°C	
Storage Temp		-40°C to +85°C	

Remark: Customized different connector type/ length tolerance/specifications.

Ordering Information

MT Cable - A / B / C - D / E / F - G - H - I - J		
A	MT Type	MTP MPO
B	Female or Male	F - Female M - Male
C	Polishing Angle	PC APC
D	MT Type	MTP MPO
E	Female or Male	F - Female M - Male
F	Polishing Angle	PC APC
G	Number of Ferrule Channels	4 - 4F 8 - 8F 12 - 12F 24 - 24F etc
H	Fiber Type	SM (OS2) G657A OM1 OM2 OM3 OM4 etc
I	Fiber Arrangement	Fiber Polarity: UU=Key-up/Key-up Construction; UD=Key-up/Key-down Construction
J	Tube Type	JRC - Jacket Ribbon Cable BRC- Bare Ribbon Cable 3RT - 3.0mm Round Tube etc
K	Total length	008 - 0.8m 015 - 1.5m 030 - 3.0m etc
For example MT Cable-MTP/F/PC-MTP/M/PC-12-OM3-UU-JRC-015		

Fiber Arrangement

MTP/MPO Fiber Polarity

UU(Key-up/Key-up Construction)



UD(Key-up/Key-down Construction)



MTP/MPO

Assembly structure product

