

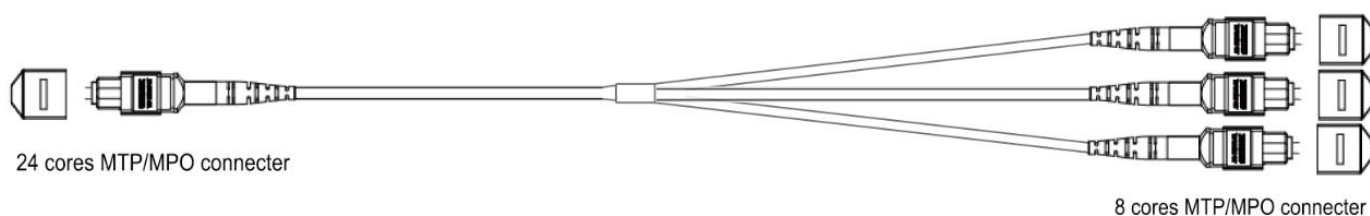
MTP MPO Fiber Cable|Multimode OM4 24F to 3*8F MPO/MTP Fan-out Fiber Optic Jumper LSZH

MTP/MPO-MTP/MPO Cable

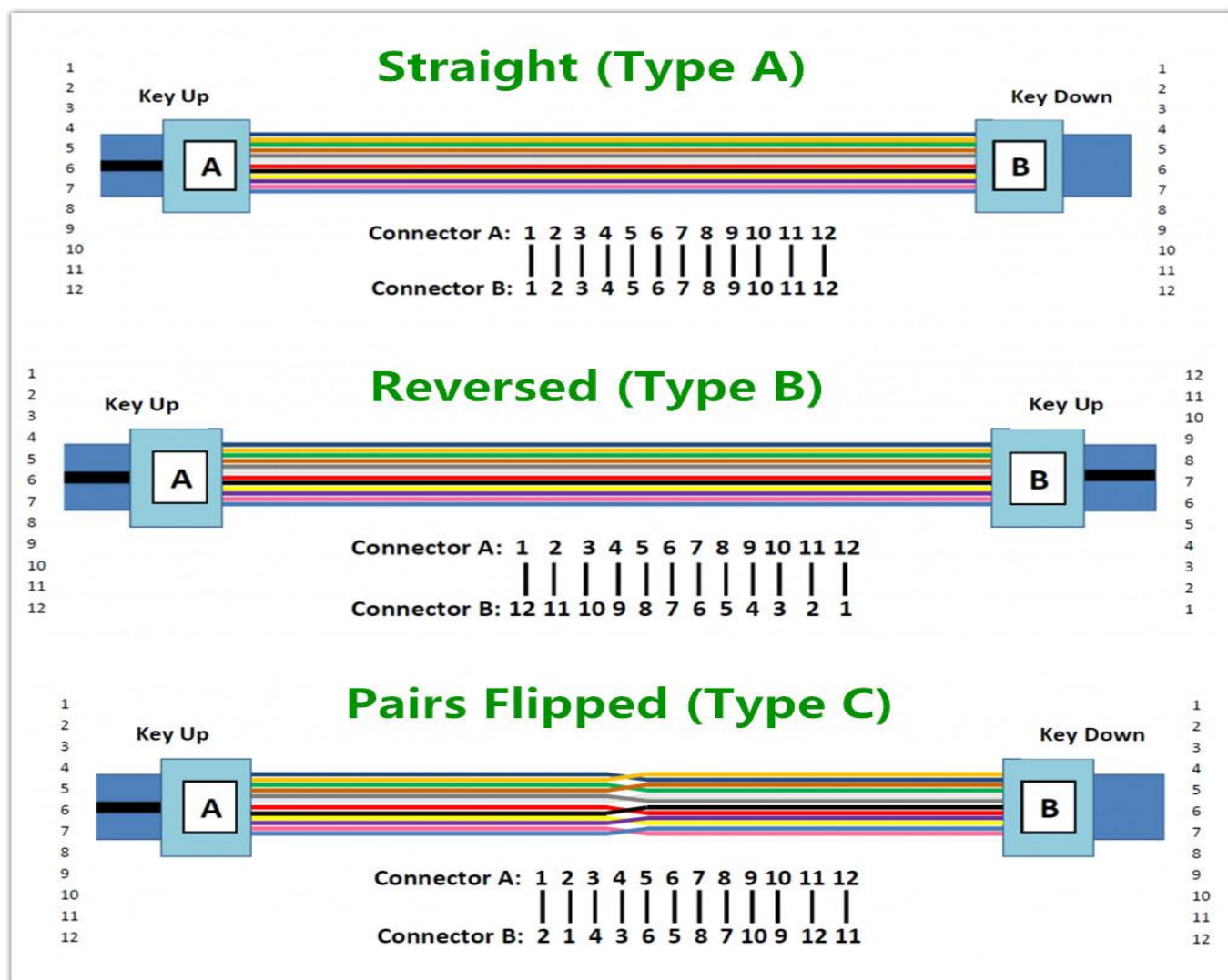
MTP/MPO trunk cable, a cost-effective alternative to time-consuming field termination, is designed for high-density fiber patching in data centers which need space saving and reduce cable management troubles.



Drawings:



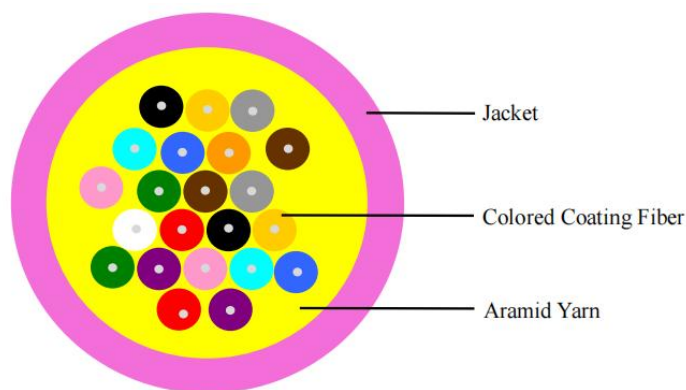
Type: Polarity MTP cable



Connector Technical Parameter

Model		MM
Connector A : MPO		
Insertion Loss	Standard	≤0.70dB
Return Loss		≥25dB
Test Wavelength		850nm&1300nm
Connector B: MPO		
Insertion Loss	Standard	≤0.70dB
Return Loss		≥25dB
Test Wavelength		850nm&1300nm

Cable Structure Diagram



Cable Dimensions and Constructions

Items		Descriptions
Optical Fiber	Fiber count	24
	Color	Optical Fiber Chromatography
	Diameter	250±50μm
Strength Member	Material	Aramid yarn
Sheath	Material	LSZH
	Color	Violet
	Diameter	3.0mm

Mechanical and Environmental Characteristics

Items	Descriptions	
Crush Resistance	Short-term	500N/100mm
	Long-term	100N/100mm
Tension	Short-term	370N
	Long-term	110N
Min.Bend Radius (Dynamic)	mm	20D
Min.Bend Radius (Static)	mm	10D
Operating Temperature	- 2 0 C-+ 6 0 C	
Temperature Range	- 2 0 C-+ 6 0 C	

Fiber Attenuation

The properties of multimode optical fiber (ITU-T Rec. OM4)

Characteristic	Condition	Data	Unit
Optical properties			
Attenuation	850nm	≤ 2.7	dB/km
	1300nm	≤ 0.6	dB/km
Full injection bandwidth	850nm	≥ 3500	MHz•Km
	1300nm	≥ 500	MHz•Km
Numerical aperture		0.200 ± 0.015	
Zero dispersion wavelength		1295-1340	nm
A zero-dispersion slope	1295-1310	≤ 0.105	ps/(nm ² .km)
	1310-1340	≤ 0.000375	ps/(nm ² .km)
Group refractive index	850nm	1.482	
	1300nm	1.477	
The macro bend additional attenuation 100 Circle Φ 75mm 4 Circle Φ 30mm	850nm	≤ 0.5	dB
	1300nm	≤ 0.5	dB
	850nm	≤ 1.0	dB
	1300nm	≤ 1.0	dB
Geometric characteristics			
Core diameter		50 ± 2.5	μm
Core roundness		≤ 5.0	
Cladding roundness		≤ 1.0	%
Cladding diameter		125.0 ± 1.0	μm
Coating diameter		245 ± 7	μm
Coating / package concentricity error		≤ 10.0	μm
Coating roundness		≤ 6.0	%
Core / package concentricity error		≤ 1.5	μm
Fiber length		≤ 17.6	Km/axis
Backscatter characteristics(1300nm)			
Steps(Mean value of two-way measurement)		≤ 0.1	dB
The irregularity of the length direction and the discontinuity of the point		≤ 0.1	dB
Attenuation inhomogeneity		≤ 0.08	dB/km
Environmental characteristics (850nm、1300nm)			
Temperature additional attenuation	-60℃ ~ +85℃	≤ 0.1	dB/km

Temperature-humidity cycle additional attenuation	-10℃ ~+85℃, 4%~98% Relative humidity	≤0.1	dB/km
Flooding additional attenuation	23℃, 30 days	≤0.1	dB/km
Dry heat additional attenuation	85℃, 30 days	≤0.1	dB/km
Hot and humid additional attenuation	85℃ and 85% Relative humidity, 30 days	≤0.1	dB/km
Mechanical properties			
Screening tension		≥9.0 ≥1.0 ≥100	N % kpsi
Coating peeling force	Typical average Peak value	1.5 ≥1.3 ≤8.9	N N
Dynamic fatigue parameters(Nd,Typical value)		27	