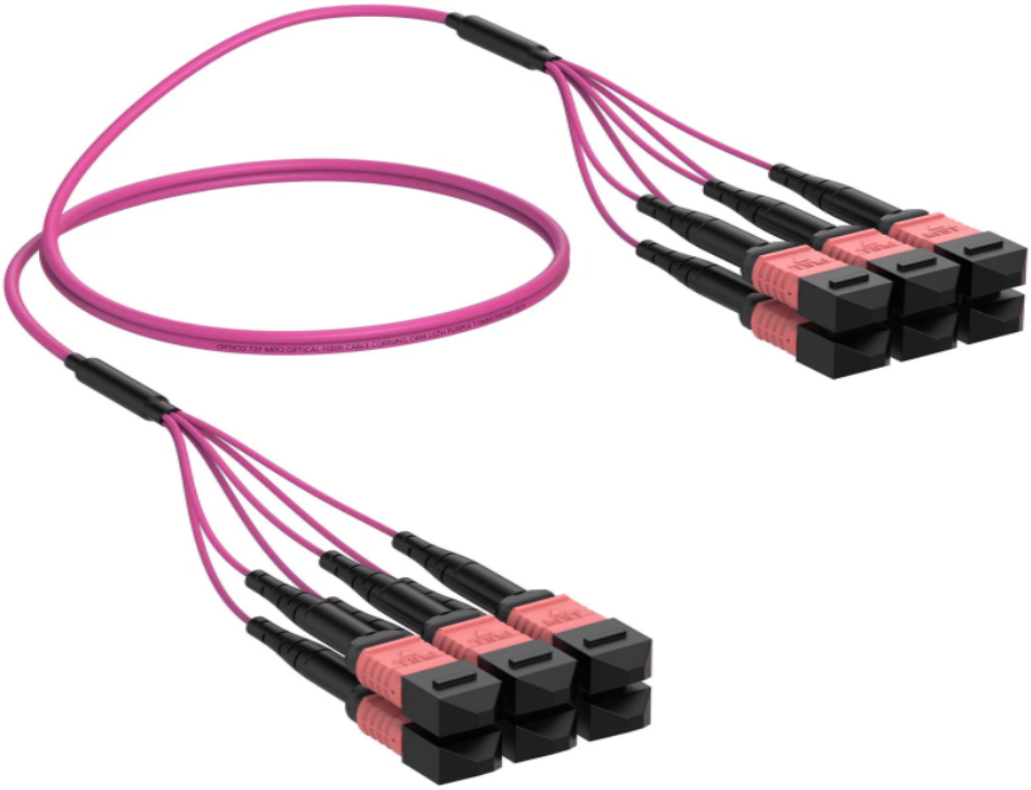
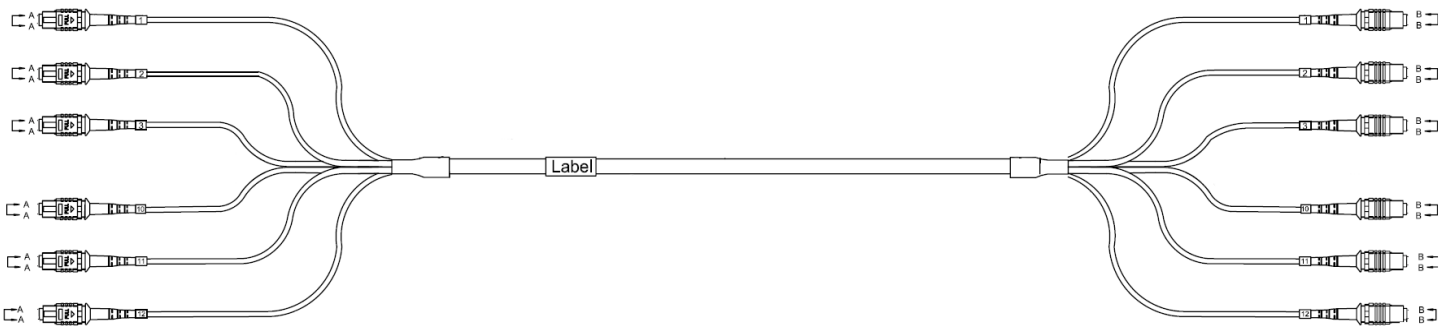
6*MPO to 6*MPO MM 72C OM4 LSZH 8.5mm Patchcord

MPO-MPO Cable

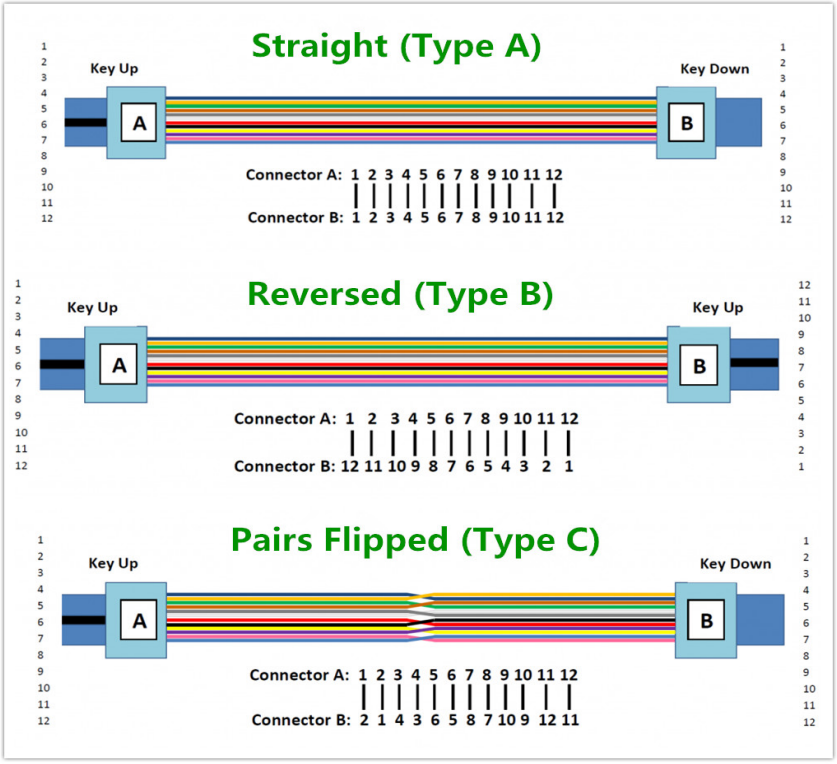
MPO trunk cable, a cost-effective alternative to time-consuming field termination, is designed for high-density fiber patching in data centers which need space saving and reduce cable management troubles.



Drawing：



MPO cable Polarity



Connector Technical Parameter

Model		MM
Connector A:MPO		
Connector Fiber Count		72 Cores
Polish		PC
Insertion Loss	Standard	≤0.50dB
	Elite Low Loss	≤0.35dB
Return Loss		≥25dB
Durability(500 Matings)		≤0.2dB
Test Wavelength		850/1300nm
Connector B:MPO		
Polish		PC
Insertion Loss	Standard	≤0.50dB
	Elite Low Loss	≤0.35dB
Return Loss		≥25dB
Durability(500 Matings)		≤0.2dB
Test Wavelength		850/1300nm

Cable Structure Diagram

Cable Dimensions and Constructions

Items		Descriptions
Colored Coating Fiber	Dimension	250μm±15μm
	Fiber count	72
	Color	Optical Fiber Chromatography
Cable Subunit	Strength Member	Aramid yarn
	Material	PVC
	Color	Blue、Orange、Green、Brown、Gray、White
	Dimension	2.0mm
Central Strength Member	FRP + PVC	ø 2.0±0.1mm
Sheath	Material	LSZH-CCA
	Color	Customize according to customer
	Diameter	8.5±0.10mm

Mechanical and Environmental Characteristics

Items		**Descriptions**	
Tensile Strength		short-term	1300N
		long-term	600N
Crush Resistance		short-term	1000N/100mm
		long-term	300N/100mm
Temperature Range		- 4 0 C-+ 7 0 C	
Bending Radius	Dynamic	≥20D	
	Static	≥10D	

Fiber Attenuation

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

Characteristic	Condition	Data	Unit
Optical properties			
Attenuation	850nm 1300nm	≤2.7 ≤0.6	dB/km dB/km
Full injection bandwidth	850nm 1300nm	≥3500 ≥500	MHz•Km MHz•Km
Numerical aperture		0.200±0.015	
Zero dispersion wavelength		1295-1340	nm
A zero-dispersion slope	1295-1310 1310-1340	≤0.105 ≤0.000375	ps/(nm^2.km) ps/(nm^2.km)
Group refractive index	850nm 1300nm	1.482 1.477	
The macro bend additional attenuation 100 CircleΦ75mm 4 CircleΦ30mm	850nm 1300nm 850nm 1300nm	≤0.5 ≤0.5 ≤1.0 ≤1.0	dB dB dB 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 inhomo geneity		≤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	