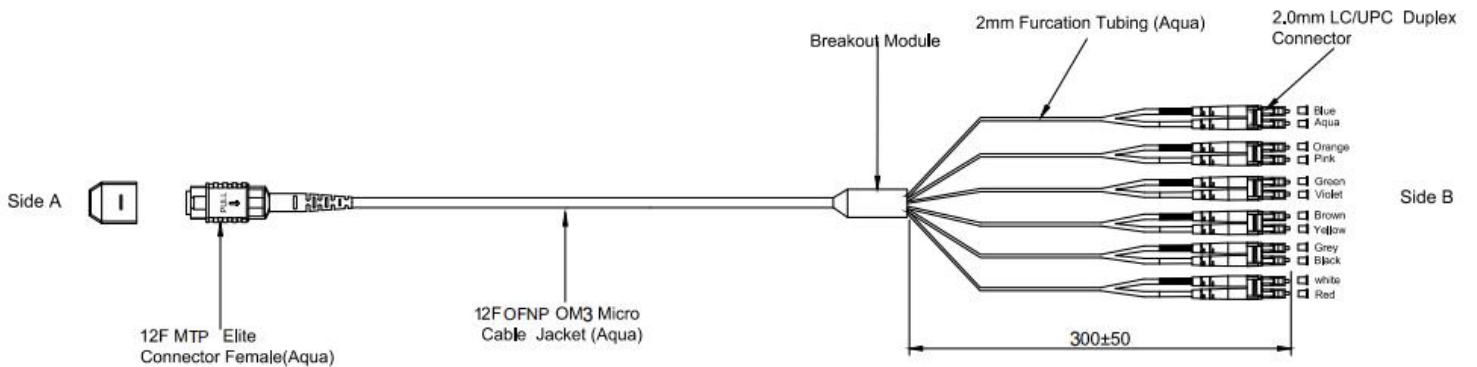


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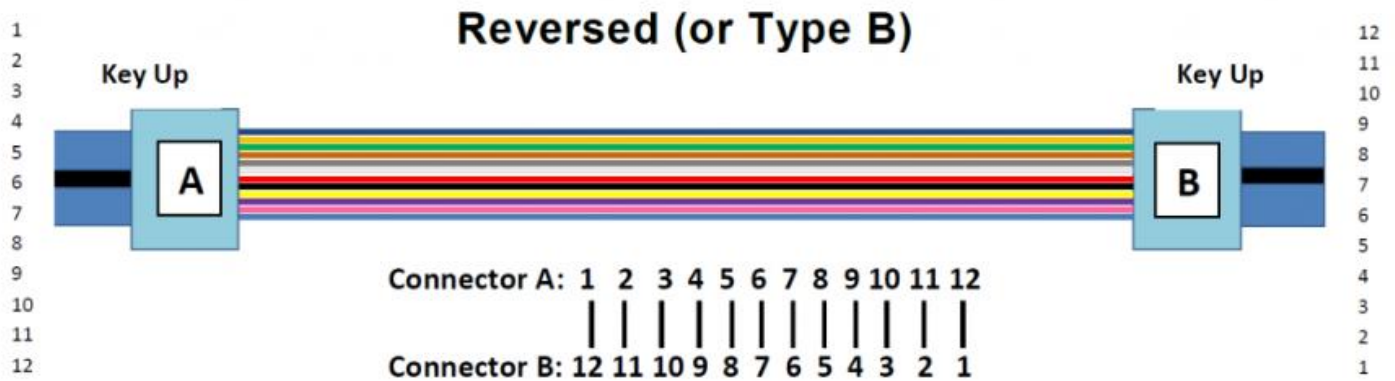
12Cores MTP to LC Type B MM OM3 Corning Fiber OFNP 3.0mm Customized Length Fiber Optic Jumper

MTP-LC Cable

MTP Breakout 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



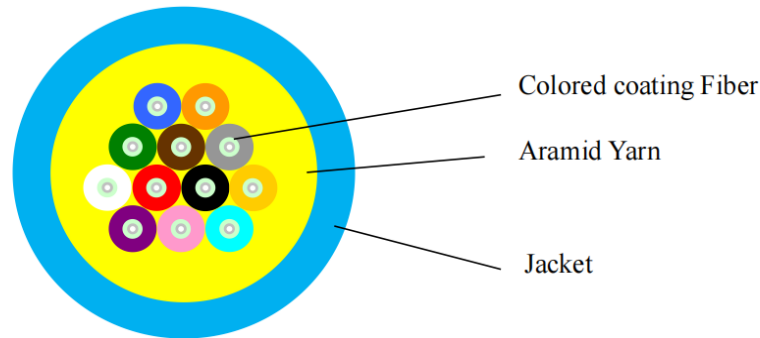
Type-B polarity MTP cable



Connector Technical Parameter

| Model | | MM |
|-------------------------|----------------|------------|
| Connector A:MTP | | |
| Connector Fiber Count | | 12 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:LC | | |
| Polish | | PC |
| Insertion Loss | | ≤0.2dB |
| Return Loss | | ≥30dB |
| Durability(500 Matings) | | ≤0.2dB |
| Test Wavelength | | 850/1300nm |

Cable Structure Diagram



Cable Dimensions and Constructions

| Items | | Descriptions |
|-----------------|-------------|---------------------------------|
| Optical Fiber | Fiber count | 12 |
| | Color | Optical Fiber Chromatography |
| Strength Member | Material | Aramid yarn |
| Sheath | Material | PVC (OFNP) |
| | Color | Customize according to customer |
| | Diameter | 2.9±0.10mm |

Mechanical and Environmental Characteristics

| Items | | Descriptions | |
|-------------------|---------|----------------|-------------|
| Tensile Strength | | short-term | 370N |
| | | long-term | 110N |
| Crush Resistance | | short-term | 500N/100mm |
| | | long-term | 100 N/100mm |
| Temperature Range | | - 2 0 C+ 6 0 C | |
| Bending Radius | Dynamic | ≥20D | |
| | Static | ≥10D | |

Fiber Attenuation

The properties of multimode optical fiber (ITU-T Rec. OM3)

| Characteristic | Condition | Data | Unit |
|---|---|-------------|--------------------------|
| Optical properties | | | |
| Attenuation | 850nm | ≤2.4 | dB/km |
| | 1300nm | ≤0.6 | dB/km |
| Full injection bandwidth | 850nm | ≥1500 | 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 CircleΦ75mm 4 CircleΦ30mm | 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 | N |
| | | ≥1.0 | % |
| | | ≥100 | kpsi |
| Dynamic fatigue parameters(Nd, Typical value) | | 27 | |

Packing

According to customer request.

Delivery Length

Standard Reel Length:0.5-2.0 km. ; According to customer request.

Marking

Cable Marker every Meter by

- Year of manufacture
- Type of Cable
- Number of fiber
- Cable length
- Etc

According to customer or our company request .