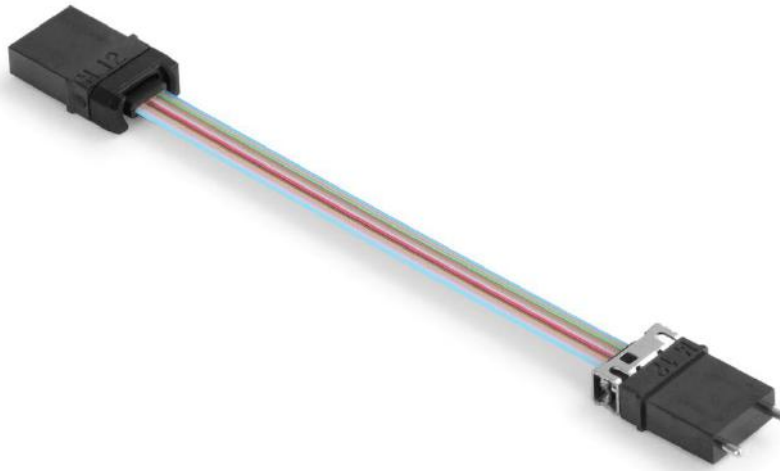


MT-MT Jumper



MT-MT jumper is mainly used in light optical transceiver module. The module is used to connect optical lens and the external port. It can be deployed in transceiver module such as QSFP, and parallel optical transceiver modules, supporting various network types, including Ethernet optical network, Infiniband optical network, and Fiber Channel network.

Applications

- QFSP
- Array laser
- Multichannel device
- Parallel light optical transceiver module
- SFP+ active optical cable

Features

- Low loss or standard loss
- 4/8/12/24 fiber
- G.652, G.657, OM1, OM2, OM3, OM4 fiber
- Ribbon fiber
- Option for A, B or C polarity
- 100% factory terminated and tested
- Customized length available
- MTP or MPO ferrule
- PC or APC polish
- Metal or nonmetal pin holder

Standards Compliance

- TIA/EIA-568.3-D
- ISO/IEC 11801
- IEC-61754-7
- EIA/TIA-604-5
- GR-1435-CORE
- RoHS

General Specification

Construction	Description
Fiber Count	4-24 Fibers
Fiber Mode	Single-mode: G.652/G.657 (9/125um) Multi-mode: OM1 (62.5/125 um) OM2, OM3, OM4 (50/125um);
Fiber Brand	Corning SMF-28® Ultra optical fiber Corning ClearCurve® multimode fiber
Cable Type	Ribbon fiber, Dyed bare fiber
Polarity	Type A, Type B, Type C (TIA-568.3-D)
Connector Ferrule	4F/8F/12F/24F
Connector Type	Male; Female
MT Ferrule Brand	US Conec MTP, Senko MPO, Nissin MPO, Sanwa MPO, FURUKAWA MPO
Operating Temperature	-20°C to + 70°C
Storage Temperature	-40°C to + 85°C

Technical Specification

Optical Properties	Single mode	Multimode
Insertion Loss (dB)	Low loss≤ 0.35 (Typical:≤ 0.25) Standard Loss≤0.75 (Typical:≤ 0.4)	Low loss≤ 0.35 (Typical:≤ 0.2) Standard Loss≤ 0.6 (Typical:≤ 0.35)
Return Loss (dB)	PC≥50; APC≥60	PC≥20; APC≥40
Durability	≤0.2 dB typical change, 50 matings	
Wavelength (nm)	Single mode: 1310/1550, Multimode: 850/1300	
Fiber Attenuation (dB/km)	Single mode: ≤0.35 at 1310nm, ≤0.2 at 1550nm Multimode: ≤3.0 at 850nm, ≤1.0 at 1300nm	
Transmission Distance	OM4: 150m at 40/100G, 550m at 10G OM3: 100m at 40/100G, 300m at 10G	