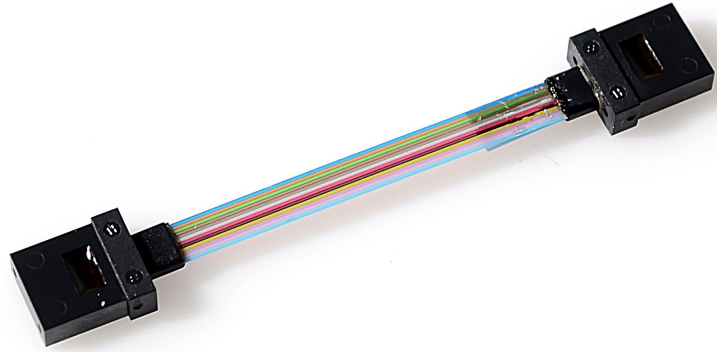


MT Patch Cords Specification

Application

- 1.QSFP quad small form-factor pluggable
- 2.SFP+active optical cables
- 3.Parallel light optical transceiver module
- 4.Communication
- 5.Military applications
- 6.Data centers
- 7.Super computers

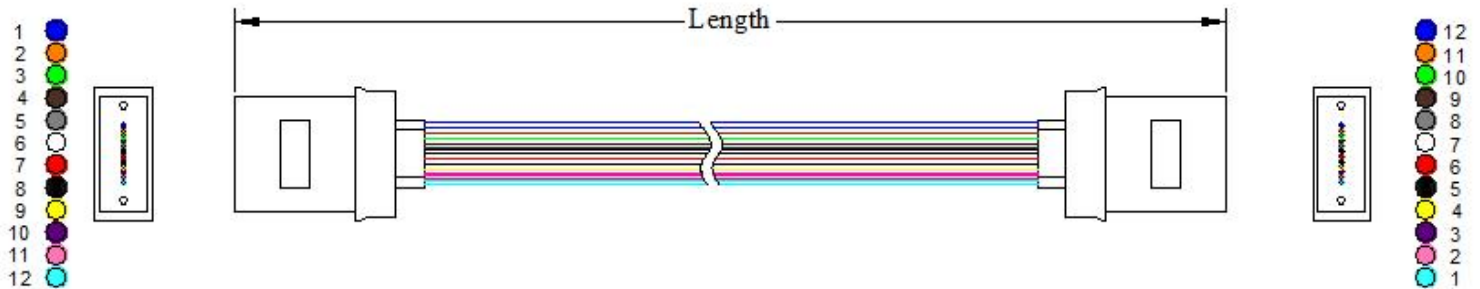


Features

- 1.Transmission rate: 40Gbps/100Gbps/168Gbps
- 2.GR-1435 compliant
- 3.Simple structure easy to locate
- 4.Low cost
- 5.Customized products available

Dimensional Diagrams

1.MT Patch Cords



MPO&MTP Optical Characteristics

Item	Parameter				Reference
	Single mode		Multimode		
	Standard	Elite	Standard	Elite	
Insertion loss	Typical \leq 0.30dB Max \leq 0.75dB	Typical \leq 0.15dB Max \leq 0.35dB	Typical \leq 0.50dB Max \leq 0.25dB	Typical \leq 0.10dB Max \leq 0.35dB	IEC 61300-3-34
Return loss	\geq 50dB (PC) \geq 60dB (APC)	\geq 55dB (PC) \geq 65dB (APC)	\geq 30dB(PC)	\geq 30dB(PC)	IEC 61300-3-6

End-Face Quality (SM)

Zone	Range (μm)	Scratches	Defects	Reference
A: Core	0 to 25	None	None	IEC 61300-3-35:2015
B: Cladding	25 to 115	None	None	
C: Adhesive	115 to 135	None	None	
D: Contact	135 to 250	None	None	
E: Rest of ferrule		None	None	

End-Face Quality (MM)

Zone	Range (μm)	Scratches	Defects	Reference
A: Core	0 to 65	None	None	IEC 61300-3-35:2015
B: Cladding	65 to 115	None	None	
C: Adhesive	115 to 135	None	None	
D: Contact	135 to 250	None	None	
E: Rest of ferrule		None	None	

MPO&MTP End-Face Geometry

Ferrule parameter		IEC-61300-3-30	
		Minimum	Maximum
ROC	ROC-X:	2000mm	∞
	ROC-Y:	50mm	∞
Angle	Angle-X:	-0.2°	0.2°
	Angle-Y:	PC	0.2°
		APC	7.85°
Fiber Hight:		1000nm	3500nm
Max.DH.All:		-300nm	300nm
DH.Adj:		-300nm	300nm
DH.Ave Fiber:		-300nm	300nm
Core Dip:	MM	-200nm	300nm
	SM	N/A	N/A
Ferrule height		7.9mm	8.05mm