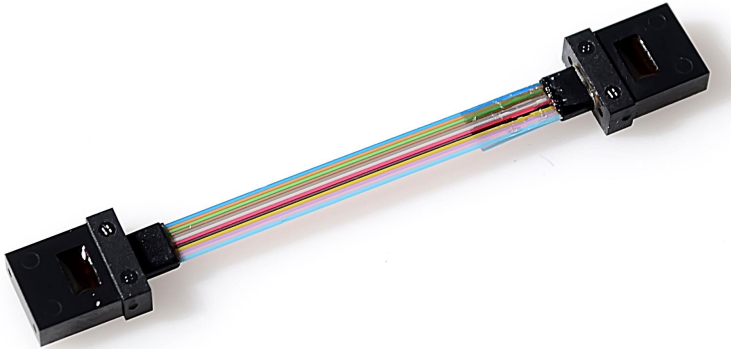


# MT Patch Cords Specification

## 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

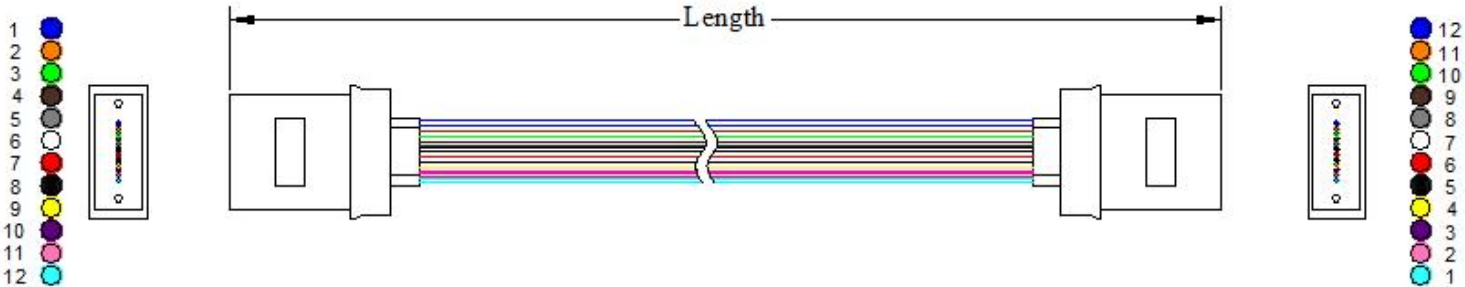


## Features

- 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≤0.30dB Max≤0.75dB	Typical≤0.15dB Max≤0.35dB	Typical≤0.50dB Max≤0.25dB	Typical≤0.10dB Max≤0.35dB	IEC 61300-3-34
Return loss	≥ 50dB (PC) ≥ 60dB (APC)	≥ 55dB (PC) ≥ 65dB (APC)	≥ 30dB(PC)	≥ 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