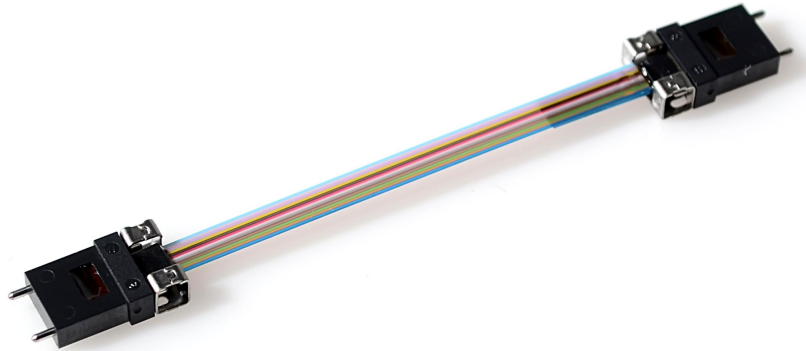


MT Patch Cords Specification

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

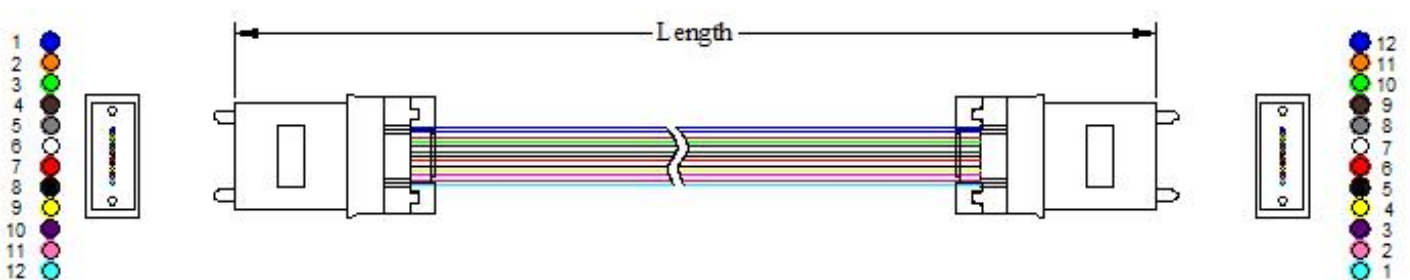


Features

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 $\leq 0.30\text{dB}$ Max $\leq 0.75\text{dB}$	Typical $\leq 0.15\text{dB}$ Max $\leq 0.35\text{dB}$	Typical $\leq 0.50\text{dB}$ Max $\leq 0.25\text{dB}$	Typical $\leq 0.10\text{dB}$ Max $\leq 0.35\text{dB}$	IEC 61300-3-34
Return loss	$\geq 50\text{dB}$ (PC) $\geq 60\text{dB}$ (APC)	$\geq 55\text{dB}$ (PC) $\geq 65\text{dB}$ (APC)	$\geq 30\text{dB}$ (PC)	$\geq 30\text{dB}$ (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