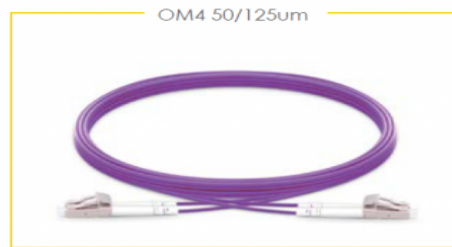


Fiber Patch Cables & Pigtail Datasheet

MAKE HIGH-SPEED ETHERNET NETWORK EQUIPMENT CONNECTIONS

Fiber Optic Patch Cord



Fiber optic patch cables are ideal for supporting high speed telecommunication network fiber applications. They are manufactured and tested in compliance with TIA 604 (FOCIS), IEC 61754 and YD/T industry standards. OM1, OM2, OM3, OM4, OM5 or OS2 fiber types are available to meet the demand of Gigabit Ethernet, 10 Gigabit Ethernet and high speed Fiber Channel. Every termination is through rigorous parameter test to ensure the highest network performance.

Features

- ◆ Low Smoke Zero Halogen (LSZH)
- ◆ Low insertion loss
- ◆ High resistance of corrosive
- ◆ Strong interchanging capability
- ◆ High return loss
- ◆ UL standard accessories comply with UL94V-O and ROHS standard
- ◆ Colors identify

Applications

Designed for data center, enterprise, FTTx, LAN and WAN, CATV network, telecom network applications, etc. requiring quick infrastructure deployment such as main, horizontal, and zone distribution areas.

Specification

Physical Characteristics	Description
Connector Types	LC/SC/ST/FC/LSH/MTRJ/MU with Standard Boots; LC 12mm/18mm with Short Boots; SC 25mm with Short Boots
Polish Type	SMF: UPC-UPC; UPC-APC; APC-APC; MMF: UPC-UPC
Connector Ferrule	Zirconia Ceramic
Cable Outside Diameter	Duplex: 1.6/2.0/3.0mm, Simplex: 0.9/2.0/3.0mm
Interchangeability	≤0.2dB
Vibration	≤0.2dB

Mechanical Characteristics	Description
Fiber Type	Standard Boots: OS2/OM5/OM4/OM3/OM2/OM1; Short Boots: OS2/OM4/OM3
Fiber Count	Duplex/Simplex
Cable Jacket	PVC (Riser/OFNR)/LSZH/Plenum (OFNP)

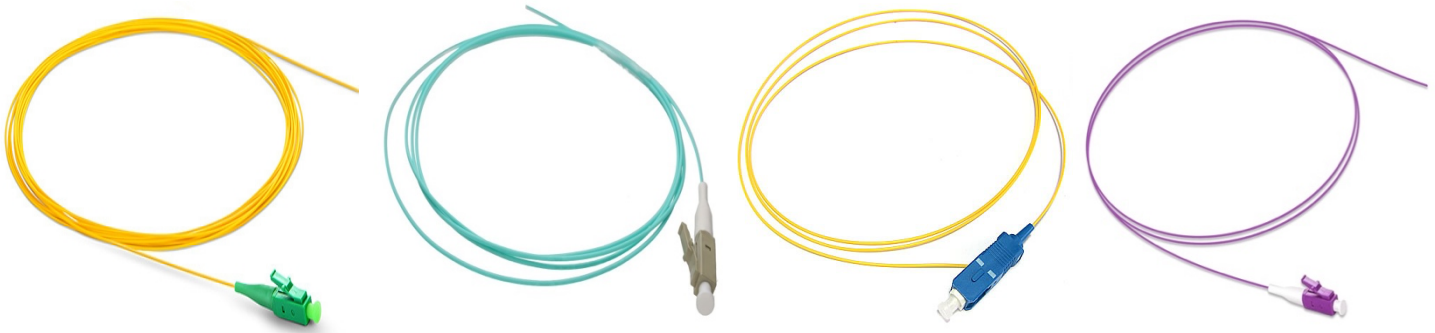
Fiber Mode	Connector Type	Connector Color	Jacket Color
OS2	LC	Blue/Green	Yellow
	SC		
	ST	Black	
	FC		
OM1/OM2	LC	Beige	Orange
	SC	Black	
	ST		
OM3	LC	Beige/Aqua	Aqua
	SC	Aqua	
	ST	Black	
OM4	LC	Beige/Magenta	Aqua/Magenta
	SC	Beige	Aqua
OM5	LC	Beige	Lime Green

Environmental Characteristics	Description
Operating Temperature	-20~70°C
Storage Temperature	-40~80°C

Transmission Distance Comparison

Data Rate	Interface Type	Fiber Mode	Wavelength	Maximum Distance
1G	1000BASE-LX	OM5	850nm	550m
		OM4	1300nm	550m
		OM3	1300nm	550m
		OM2	1300nm	550m
		OM1	1300nm	550m
	1000BASE-SX	SMF	1310nm	10km
		OM4	850nm	550m
		OM3	850nm	550m
10G	10GBASE-SR	OM2	850nm	550m
		OM1	850nm	275m
		OM4	850nm	400m
		OM3	850nm	300m
	10GBASE-LRM	OM2	850nm	82m
		OM1	850nm	33m
		OM5	850nm	220m
	10GBASE-LR	OM3	1300nm	220m
OM2		1300nm	220m	
OM1		1300nm	220m	
10GBASE-ER	SMF	1550nm	30-40km	
10GBASE-ZR	SMF	1550nm	80-100km	
40G	40G-BIDI	SMF	1310nm	10km
		OM5	850nm	200m
		OM4	850nm	150m
	40GBASE-SR4	OM3	850nm	100m
		OM5	850nm	150m
		OM4	850nm	150m
	40G-SWDM4	OM3	850nm	100m
		OM5	850nm	440m
OM4		850nm	350m	
40GBASE-LR4	OM3	850nm	240m	
100G	100GBASE-SR4	SMF	1310nm	10km
		OM5	850nm	100m
		OM4	850nm	100m
	100G-SWDM4	OM3	850nm	70m
		OM5	850nm	150m
		OM4	850nm	100m
	100GBASE-SR10	OM3	850nm	75m
		OM4	850nm	125m
100GBASE-LR4	SMF	1310nm	10km	
100GBASE-ER4	SMF	1310nm	40km	

Corelanes Pigtail Specification



Specification	Fiber Type	SC/APC	SC/UPC	LC/UPC
Attenuation (dB) Typical	Singlemode Multimode	0.3 0.2	0.3 0.2	0.3 0.2
Reflection (dB) Typical	Singlemode Multimode (50 μm)	-65 N/A	-45 -30	-45 -30
Operating temperature	Singlemode Multimode	-40° to 85°C -40° to 85°C	-40° to 85°C -40° to 85°C	-40° to 85°C -40° to 85°C
Storage temperature	Singlemode Multimode (50 μm)	-40° to 85°C -40° to 85°C	-40° to 85°C -40° to 85°C	-40° to 85°C -40° to 85°C
Cable rating	Singlemode Multimode	Riser Riser	Riser Riser	Riser Riser



CORELANES Fiber optic

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