

Performance Plus Fiber Patch Cords

FEATURES

- Available in simplex, duplex, and pigtail configurations
- LC, LC Unibody, LC/APC, SC, SC/APC, ST, FC and FC/APC connector options
- Quick-turn service for fast delivery
- Cable jacket and boots color-coded for easy ID of fiber
- Fiber options: OS2, OM1, OM3, and OM4
- 100% tested for insertion loss and single-mode for return loss
- Uni-Body LC includes reversible polarity feature, allowing polarity changes in the field without tools
- Unibody design is ideal for high-density applications, and comes standard with 2.0 mm duplex round cables
- Performance Plus Series cords include a 25 year warranty
- Other jacket colors available as custom with MOQ and lead time applicable

DESIGN CONSIDERATIONS

- All connectors have precision pre-radiused or pre-angled zirconia ferrules for consistent end face geometry
- Single-mode UPC and APC polish

STANDARDS & REGULATIONS

- ANSI/TIA-568.3-D Optical Fiber Cabling and Components Standard
- ANSI/TIA-455-171-B FOTP-171 Attenuation by Substitution
- Measurement for Short Length Multimode Graded Index and Single-Mode Optical Fiber Cable Assemblies
- IEC 61300-3-34: Attenuation of Random Mated Connectors
- IEC 61300-3-6: Return Loss of Random Mated Connectors
- ANSI/TIA-598-D Optical Fiber Cable Color Coding
- ISO/IEC 11801-1, -2, -3, -5 Information technology — Generic cabling for customer premises

MECHANICAL SPECIFICATIONS

Connector Durability: >500 Matings
 Connector Cable Retention: 50 N (11.24 lbf)

COUNTRY OF ORIGIN

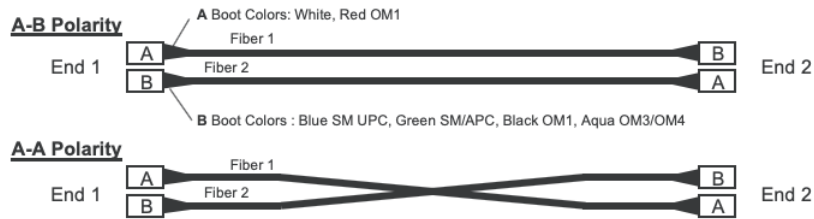
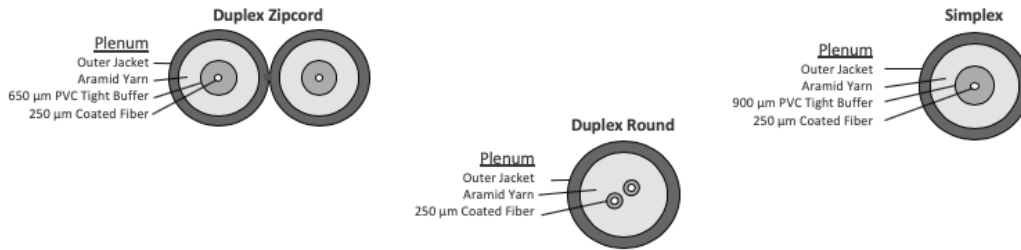
USA



PRODUCT SPECIFICATIONS

PHYSICAL SPECIFICATIONS

Cable Type	Fiber Count	Nominal Diameter	Weight	Tension		Bend Radius		Temperature Range	
		Inches (MM)	Plenum	LBS (N)		Inches (CM)		Operating/Installation	Storage
			LBS/100FT (kg/km)	Installation	Long Term	Installation	Long Term		
1.6 mm Duplex Zipcord	2	0.06 x 0.12 (1.6 x 3.2)	7 (6)	11 (50)	7 (30)	2.0 (5.0)	1.2 (3.0)	-20°C to +70°C	-40°C to 75°C
2.0 mm Duplex Round	2	0.08 (2.0)	5 (7)	11 (50)	7 (30)	1.2 (3.0)	0.8 (2.0)		
2.0 mm Simplex	1	0.08 (2.0)	3 (5)	11 (50)	7 (30)	2.0 (5.0)	1.2 (3.0)		



Note on Patch Cord:

- Length tolerance: < 10-meter (33 ft) patch cords: +7.6 cm/-0, +3 in/-0in
> 10-meter (33 ft) patch cords: +2.0% / -0%
- Length is measured from ferrule tip to ferrule tip with protective caps removed

OPTICAL SPECIFICATIONS

Insertion Loss

Multimode: 0.15 dB typical, 0.25 dB max
Single mode: 0.12 dB typical, 0.25 dB max

Return Loss

Multimode: ≥ 26 dB
Single mode: ≥ 50 dB UPC, ≥ 60 dB APC

OPTICAL SPECIFICATIONS – LC UNIBODY CONNECTOR

Insertion Loss

Multimode: 0.15 dB max
Single mode: 0.25 dB max

Return Loss

Multimode: ≥ 35 dB
Single mode: ≥ 55 dB UPC

PRODUCT SPECIFICATIONS



PERFORMANCE SPECIFICATIONS

Fiber Performance

Fiber Type	Maximum Attenuation (dB/km)				Bandwidth (MHz*km)		Transmission Distance (meters)				
	850 nm	1300 nm	1310 nm	1550 nm	850 nm	1300 nm	100 Mb	1 GbE	10 GbE	40 GbE	100 GbE
8.2/125 µm Single-mode (OS2)	N/A	N/A	0.4	0.3	N/A	N/A	>5,000 @ 1310 nm		>10,000 @ 1310 nm	N/A	N/A
62.5/125 µm MM (OM1)	3.5	1.0	N/A	N/A	200	500	300/300 @	300/600 @ 850/1300 nm	36/300 @ 850/1300 nm	N/A	N/A
50/125 µm LO (10G-300m) MM (OM3)	3.0	1.0	N/A	N/A				1,000/600 @ 850/1300 nm	300/300 @ 850/1300 nm	100 @ 850 nm	100 @ 850 nm
50/125 µm LO (10G-550m) MM (OM4)	3.0	1.0	N/A	N/A				1,040/600 @ 850/1300 nm	550/300 @ 850/1300 nm	150 @ 850 nm	150 @ 850 nm

* The effective modal bandwidth is determined based on an overfill launch (OFL) per ANSI/TIA-455-204, except on laser-optimized fiber types.

** 10GbE transmission @ 1,300 nm only applies to 10GBASE-LX4 (CWDM).

OPTICAL FIBER	TYPE/COMPLIANCE	COMPLIANCE
OS2 Single Mode	SMF-28 Ultra	ITU-T Recommendation G.652.D, G.657.A1 compliant
OM1 Multimode	InfiniCor 300	Laser-optimized 62.5 µm multimode fiber
OM3 Multimode	ClearCurve OM3	TIA/EIA 492AAA-B, ITU G651.1 Compliant
OM4 Multimode	ClearCurve OM4	TIA/EIA 492AAAD, ITU G651.1 Compliant

CUSTOM CONFIGURATIONS

Assembly Type	Fiber Type	Cable Rating	Cable Type	Termination		Unit of Measure	Length	Polarity
Fiber Patch Cord	8.2/125um SM OS2 Yellow	PLENUM LSZH	SIMPLEX 2.0 MM	FIRST END	SECOND END	Meters (M)	0010-	Standard
	62.5/125 µm MM OM1 Orange		DUPLEX ZIPCORD 1.6 MM	ST	ST	Feet (F)	3000*	A-B (A-B)
	50/125 µm LO 10G-300m MM OM3 Aqua		DUPLEX ROUND 2.0 MM	SC	SC			A-A (A-A)
	50/125 µm LO 10G-550m MM OM4 Aqua		MM	LC	LC			
				SC/APC	SC/APC			
				LC/APC	LC/APC			
				LC Unibody	LC Unibody			
				FC	FC			
			FC/APC	FC/APC				
				No Connector				

Please contact your CompuLink-USA representative for part numbers and pricing.

*E.g. 0010 = 001.0 Units
0015 = 001.5 Units
0150 = 015.0 Units

Notes on length:

Min FEET increment: 1-FT,
Lengths > 1-FT: User can select 0.6-inch increments
Min METER increment: 0.2-M
Lengths > 0.2 M User can select 0.2 M increments
After 49-FT/15 M longer lead times may apply for fractional lengths

Stocked and shipped from Clearwater, FL
Covered by CompuLink-USA's 25 Year Warranty



Additional lengths and variations available.