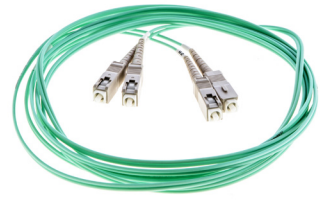


Cleerline XD fiber optic patch cords deliver extreme performance and reliability for all system connections. XD series patch cords incorporate Cleerline's BendSafe® technology.

Designed for reliability in all applications, XD series patch cords provide flexible interconnection to active equipment, passive optical devices, and cross-connects. XD series patch cords exhibit lower optical power loss under bend than standard cables and are compatible with all conventional cabling.

Available in duplex configuration OM3, OM4 (multimode), and OS2 (single-mode) type fibers. LC style are clipped.

Custom lengths and styles also available.



FEATURES AND BENEFITS

- High mechanical strength, superior fatigue
- Conform to IEC, EIA-TIA, and Telcordia requirements
- LC and SC connector types, TIA color-coded
- Riser rated OFNR jacket type
- Custom configurations available upon request

APPLICATIONS

- Data centers, telecommunications network
- High bandwidth networks
- FTTX

COMPLIANCE

- ROHS Compliant Directive 2011/65/EU
- UL Listed Type OFNR, CSA FT4, IECA S-83-596
- Conforms to the requirement of IEC 60793-2-10 A1a.3, ISO/IEC 11801 & ITU-T G.651.1.850 nm Laser-Optimized 50 µm multimode fiber for 10 Gb/s & above applications
- Complies or exceeds the ITU-T recommendations G.657 A2, G657 B2, and G.652 D, the IEC International Standard 60793-2-50 type B.1.3 and B.6.A&B Optical Fiber Specification

EXAMPLE IMAGE	PART NUMBER	OUTER DIAMETER	FIBERS	FIBER TYPE	CONNECTOR	XX = LENGTH (METERS)	JACKET
	3DOM3LCLCXXm	3.0 mm	2	OM3 MM	LC - LC	0.5 / 01 / 02 / 03 / 05 / 10 m	Riser
	3DOM3SCSCXXm	3.0 mm	2	OM3 MM	SC - SC	0.5 / 01 / 02 / 03 / 05 / 10 m	Riser
	3DOM3LCSCXXm	3.0 mm	2	OM3 MM	LC - SC	0.5 / 01 / 02 / 03 / 05 / 10 m	Riser
	3DOM4LCLCXXm	3.0 mm	2	OM4 MM	LC - LC	0.5 / 01 / 02 / 03 / 05 / 10 m	Riser
	3DOM4SCSCXXm	3.0 mm	2	OM4 MM	SC - SC	0.5 / 01 / 02 / 03 / 05 / 10 m	Riser
	3DOM4LCSCXXm	3.0 mm	2	OM4 MM	LC - SC	0.5 / 01 / 02 / 03 / 05 / 10 m	Riser
	3DOS2LCLCXXm-UPC	3.0 mm	2	OS2 SM	LC - LC UPC	0.5 / 01 / 02 / 03 / 05 / 10 m	Riser
	3DOS2SCSCXXm-UPC	3.0 mm	2	OS2 SM	SC - SC UPC	0.5 / 01 / 02 / 03 / 05 / 10 m	Riser
	3DOS2LCSCXXm-UPC	3.0 mm	2	OS2 SM	LC - SC UPC	0.5 / 01 / 02 / 03 / 05 / 10 m	Riser
	3DOS2LCLCXXm-APC	3.0 mm	2	OS2 SM	LC - LC APC	0.5 / 01 / 02 / 03 / 05 / 10 m	Riser
	3DOS2SCSCXXm-APC	3.0 mm	2	OS2 SM	SC - SC APC	0.5 / 01 / 02 / 03 / 05 / 10 m	Riser
	3DOS2LCSCXXm-APC	3.0 mm	2	OS2 SM	LC - SC APC	0.5 / 01 / 02 / 03 / 05 / 10 m	Riser

CUSTOM CONFIGURATION MATRIX

Example: P/N 3DOM3LCSC05m = 3.0mm Outer Diameter, Duplex, Multimode OM3, LC to SC, 5 meter patch cord

OUTER DIAMETER	STYLE	FIBER TYPE	CONNECTOR	LENGTH	POLISH (SINGLE-MODE ONLY)
X	X	XXX	XXXX	XXX	-XXX
3 = 3.0 mm	D = Duplex	OM3 = Multimode OM3 (Aqua)	LCLC = LC to LC	Meters	-UPC (Ultra)
		OM4 = Multimode OM4 (Magenta)	LCSC = LC to SC	Ex: 03m	-APC (Angled)
		OS2 = Single-mode OS2 (Yellow)	SCSC = SC to SC		

OPTICAL FIBER CHARACTERISTICS

PHYSICAL CHARACTERISTICS - MULTIMODE		
Core Diameter		50.0 ± 2.5 µm
Core Non-circularity		≤ 5.0 %
Core/Cladding Concentricity Error		≤ 1.0 µm
Cladding Diameter		125 ± 1 µm
Cladding Non-Circularity		≤ 1.0 %
Coating Strip Force (typical)	Average	1.5 N
	Peak	≥ 1.3, ≤ 8.9 N
Coating Diameter		245 ± 7 µm
Proof Test		≥ 100 Kpsi
Bend Induced Attenuation	2 turns around a mandrel of 15 mm radius @ 850 nm / 1300 nm	≤ 0.1 / ≤ 0.3 dB
	2 turns around a mandrel of 7.5 mm radius @ 850 nm / 1300 nm	≤ 0.2 / ≤ 0.5 dB

OPTICAL CHARACTERISTICS - OM3		
Attenuation Coefficient	850 nm	≤ 2.4 dB/km
	1300 nm	≤ 0.6 dB/km
Numerical Aperture		0.200 ± 0.015
Overfilled Launch Bandwidth	850 nm	≥ 1500 MHz · km
	1300 nm	≥ 500 MHz · km
Effective Modal Bandwidth	850 nm	≥ 2000 MHz · km

OPTICAL CHARACTERISTICS - OM4		
Attenuation Coefficient	850 nm	≤ 2.4 dB/km
	1300 nm	≤ 0.6 dB/km
Numerical Aperture		0.200 ± 0.015
Overfilled Launch Bandwidth	850 nm	≥ 3500 MHz · km
	1300 nm	≥ 500 MHz · km
Effective Modal Bandwidth	850 nm	≥ 4700 MHz · km

PHYSICAL CHARACTERISTICS - SINGLE-MODE		
Mode Field Diameter at Wavelength	1310 nm	8.6 ± 0.4 µm
	1550 nm	9.7 ± 0.5 µm
Cladding Diameter		124.5 ± 0.7 µm
Cladding Non-Circularity		≤ 1.0 %
Core/Cladding Concentricity Error		≤ 0.5 µm
UV Acrylic Coating Diameter		245 ± 10 µm
UV Acrylic Coating/Cladding Concentricity Error		≤ 6.0 µm
Coating Strip Force (Typical)		≥ 130 g
Fiber Curl		≥ 4.0 m
Proof Test		0.69 (100) Gpa (Kpsi)
Bend Induced Attenuation	1 turn around a mandrel of 7.5 mm radius @ 1550 nm/1625 nm	≤ 0.5 / 1.0 dB
	1 turn around a mandrel of 10 mm radius @ 1550 nm/1625 nm	≤ 0.1 / 0.2 dB
	10 turns around a mandrel of 15 mm radius @ 1550 nm/1625 nm	≤ 0.03 / 0.1 dB

OPTICAL CHARACTERISTICS - OS2		
Attenuation Coefficient	1310 nm	≤ 0.35 dB/km
	1550 nm	≤ 0.21 dB/km
Mode Field Diameter at Wavelength	1310 nm	8.6 ± 0.4 µm
	1550 nm	9.7 ± 0.5 µm
Cable Cut-Off Wavelength		<1260 nm
Zero Dispersion Wavelength		1310 nm - 1324 nm