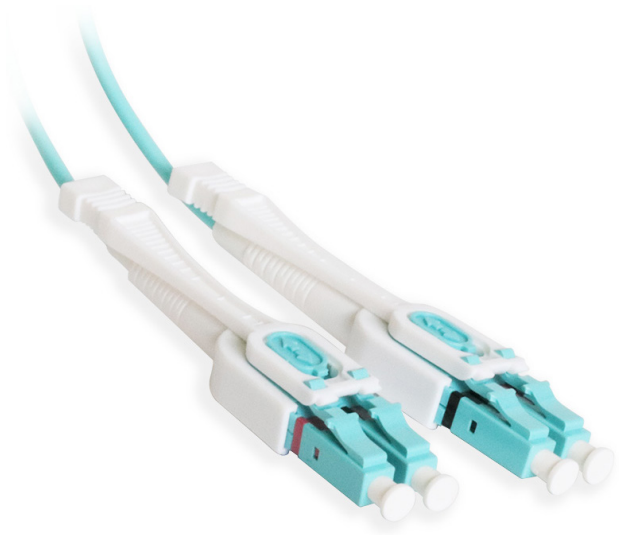
Uniboot Patch Cables

Cleerline Uniboot Patch Cables provide high bandwidth signal transmission in a design optimized for high volume applications. Each Uniboot connector has a removable cover, allowing easy polarity adjustment without additional tools. Additionally, connectors feature removable pull bars for quick connector changes in tight spaces. All cables have robust strain relief to maximize glass protection.

Each patch cable contains two strands of fiber within a 2.0 mm jacket, reducing the required cable space by over 50% compared to a duplex patch cable.

Cables have a riser rated outer jacket and are color-coded according to TIA standards. Uniboot patch cables are available in OM4 multimode or OS2 single-mode, with additional OS2 APC and APC to UPC options.

Custom lengths and polarity available upon request.



FEATURES AND BENEFITS

- LC Uniboot Connector
- Removable connector cover for easy polarity adjustment
- Polarity coded connectors for identification
- Removable pull bar
- Increased flexibility ideal for high density environments
- Compatible with standard duplex LC adapter and feed-thru
- High mechanical strength, superior fatigue
- Conform to IEC, EIA-TIA, and Telcordia requirements
- TIA color-coded
- Riser rated OFNR jacket type

APPLICATIONS

- High volume environments, data centers, telecommunications networks, and other high volume applications
- High bandwidth networks
- FTTX

PART NUMBER	O.D	FIBERS	FIBER TYPE	POLISH	XX = LENGTH (METERS)	JACKET
UOM4LCLCXXm	2.0 mm	2	OM4 MM	Ultra Physical Contact	0.5 / 01 / 02 / 03 / 04 / 05 / 07 / 10	Riser
UOS2LCLCXXm-UPC	2.0 mm	2	OS2 SM	Ultra Physical Contact	0.5 / 01 / 02 / 03 / 04 / 05 / 07 / 10	Riser
UOS2LCLCXXm-APC	2.0 mm	2	OS2 SM	Angled Physical Contact	0.5 / 01 / 02 / 03 / 04 / 05 / 07 / 10	Riser
UOS2LCLCXXm-UPC-APC	2.0 mm	2	OS2 SM	UPC to APC	0.5 / 01 / 02 / 03 / 04 / 05 / 07 / 10	Riser

All right reserved. Subject to change without notice
Copyright 2012-2026 Cleerline Technology Group, LLC

CABLE CHARACTERISTICS

MULTIMODE	
Connector Insertion Loss	Max 0.5 dB
Connector Color	Aqua
Outer Diameter	2.0 mm
Minimum Bend Radius	10 x OD

SINGLE-MODE	
Connector Insertion Loss	Max 0.5 dB
Connector Color	Blue
Outer Diameter	2.0 mm
Minimum Bend Radius	10 x OD

OPTICAL FIBER CHARACTERISTICS

PHYSICAL CHARACTERISTICS - MULTIMODE		
Core / Cladding Concentricity Error	≤ 0.5 µm	
Cladding Diameter	125 ± 1.0 µm	
Cladding Non-Circularity Error	≤ 1.5 µm	
Acrylate Coating Diameter	245 ± 0.10 µm	
Coating Strip Force	≤ 130 g	
Fiber Curl	≥ 4 m	
Proof Test	100 kpsi	
Bend Induced Attenuation, 1300 nm	2 turns around 15 mm diameter mandrel	≤ 0.2 dB
	2 turns around 7.55 mm diameter mandrel	≤ 0.5 dB
Length	1.1 - 8.8 Km	

PHYSICAL CHARACTERISTICS - SINGLE-MODE		
Core / Cladding Concentricity Error	≤0.5 µm	
Cladding Diameter	124.5 ± 0.7 µm	
Cladding Non-Circularity Error	≤ 1.0%	
Acrylate Coating Diameter	245 ± 10 µm	
Coating Strip Force	≤ 130 g	
Fiber Curl	≥ 4 m	
Proof Test	100 kpsi	
Bend Induced Attenuation, 1550 nm	1 turn around 10 mm radius	≤ 0.1/0.2 dB
	10 turns around 15 mm radius mandrel	≤ 0.03/0.1 dB
Bend Induced Attenuation, 1625 nm	1 turn around 10 mm radius	≤ 0.2 dB
	10 turns around 15 mm radius mandrel	≤ 0.1 dB

OPTICAL CHARACTERISTICS - OM4		
Attenuation Coefficient	850 nm	≤ 3.0 dB/km
	1300 nm	≤ 1.0 dB/km
Numerical Aperture		0.200 ± 0.015
Overfilled Modal Bandwidth	850 nm	≥ 3500 MHz · km
	1300 nm	≥ 500 MHz · km
High Performance EMB	850 nm	≥ 4700 MHz · km

OPTICAL CHARACTERISTICS - OS2		
Attenuation Coefficient	1310 nm	≤ 0.35 dB/km
	1550 nm	≤ 0.21 dB/km
Mode Field Diameter	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
Zero Dispersion Slope		0.092 ps / nm^2 • km

COMPLIANCE

UL Listed Type OFNR, CSA FT4, IECA S-83-596.
RoHS Compliant Directive 2011/65/EU
SSF™ 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 with or exceeds the ITU-T recommendations G.657 A2, and G.652 D, the IEC International Standard 60793-2-50 type B.1.3 and B.6.A&B Optical Fiber Specification.

All right reserved. Subject to change without notice
Copyright 2012-2026 Cleerline Technology Group, LLC