# CLEERLINE UNIBOOT PATCH CORDS
## For High Volume or Data Center Environments

2.0 mm Diameter, LC, Riser Rated Jacket

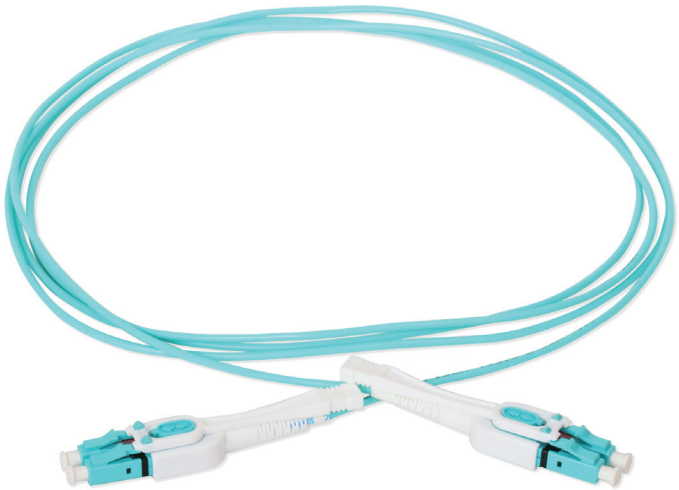
CLEERLINE SSF™

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 OM3 or 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 feedthroughs
- High mechanical strength, superior fatigue
- Conform to IEC, EIA-TIA, and Telecordia requirements
- TIA color-coded
- Riser rated OFNR jacket type
- Custom lengths and jacket types available.

### APPLICATIONS

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

| PART NUMBER | OUTER DIAMETER | FIBERS | FIBER TYPE | POLISH | XX = LENGTH (METERS) | JACKET |
|---|---|---|---|---|---|---|
| UOM3LCLCXXm | 2.0 mm | 2 | OM3 MM | Ultra Physical Contact | 01 / 02 / 03 / 04 / 05 / 07 / 10 | Riser |
| UOM4LCLCXXm | 2.0 mm | 2 | OM4 MM | Ultra Physical Contact | 01 / 02 / 03 / 04 / 05 / 07 / 10 | Riser |
| UOS2LCLCXXm-UPC | 2.0 mm | 2 | OS2 SM | Ultra Physical Contact | 01 / 02 / 03 / 04 / 05 / 07 / 10 | Riser |
| UOS2LCLCXXm-APC | 2.0 mm | 2 | OS2 SM | Angled Physical Contact | 01 / 02 / 03 / 04 / 05 / 07 / 10 | Riser |
| UOS2LCLCXXm-UPC-APC | 2.0 mm | 2 | OS2 SM | UPC to APC | 01 / 02 / 03 / 04 / 05 / 07 / 10 | Riser |

**Custom lengths and jacket types available on request.**

**CLEERLINE TECHNOLOGY GROUP, LLC**
8404 El Way Drive #2B, Missoula, MT 59808 USA & CAN: 866-469-2487 Fax 406-532-0060 Int'l +1 406-541-9830 Int'l Fax +1 406-532-0060
Web: www.cleerlinefiber.com
**Date: 4/22/2022 Rev. 2.3**

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## 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 - OM3 | | |
|---|---|---|
| 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 | ≥ 1500 MHz · km |
| | 1300 nm | ≥ 500 MHz · km |
| High Performance EMB | 850 nm | ≥ 2000 MHz · km |

| 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.

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RoHS 2 2011/65/EU

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