

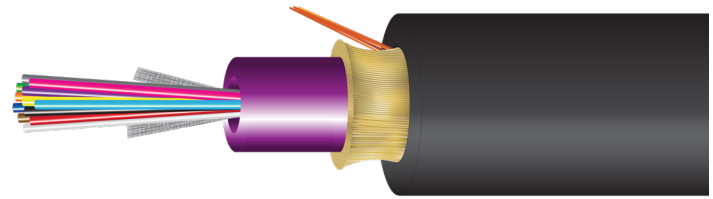
Micro-Distribution LT, Riser I/O, 50/125, OM4

Cleerline SSF™ 2-12 fiber Double Jacketed Micro Distribution cable is composed of a 2.5 mm loose tube style SSF™ cable subunit within an overall Riser rated PVC jacket.

SSF™ Double Jacketed Micro Distribution is ideal for installation outdoors in ducts or indoors in riser spaces and tray installations. It incorporates a second outer jacket adding additional protection to the subunit containing the fibers.

Cleerline SSF™ Micro Distribution multimode is fully compatible with all common connector systems for standard 50/125 multimode fiber.

The included SSF™ fiber provides extreme durability and strength.



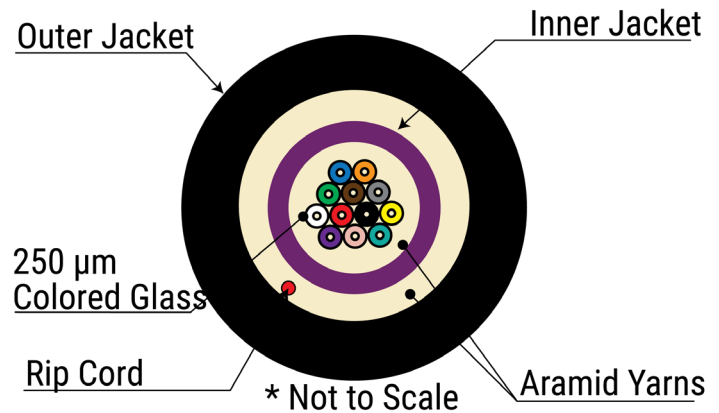
3D VIEW

FEATURES AND BENEFITS

- High mechanical strength, superior fatigue (Nd = 30)
- Compatible with common connector systems for 50/125 multimode
- Up to 10,000x the bend longevity of traditional fiber
- Integral SSF™ coating provides glass protection
- Dielectric construction
- Exclusive 250 µm Soft Peel acrylate
- Double Jacketed Durability

APPLICATIONS

- Installation in ducts outdoors
- Riser space and tray installations
- ETL listed type OFNR
- ANSI/TIA-568-C.3 compliant



TYPICAL CROSS SECTION

| PART NUMBER | FIBERS | DESCRIPTION | JACKET RATING | O.D. | WEIGHT (LB / 1000 FT) |
|-------------------|-----------|--------------------------------------|---------------|--------|-----------------------|
| 2DJMD501250M4R | 2 Fibers | 2 Strand 50/125 SSF - 1000 ft Spool | Riser I/O | 4.8 mm | 29 |
| 2DJMD501250M4R-B | 2 Fibers | 2 Strand 50/125 SSF - Cut to Order | Riser I/O | 4.8 mm | 29 |
| 6DJMD501250M4R | 6 Fibers | 6 Strand 50/125 SSF - 1000 ft Spool | Riser I/O | 4.8 mm | 29 |
| 6DJMD501250M4R-B | 6 Fibers | 6 Strand 50/125 SSF - Cut to Order | Riser I/O | 4.8 mm | 29 |
| 12DJMD501250M4R | 12 Fibers | 12 Strand 50/125 SSF - 1000 ft Spool | Riser I/O | 4.8 mm | 29 |
| 12DJMD501250M4R-B | 12 Fibers | 12 Strand 50/125 SSF - Cut to Order | Riser I/O | 4.8 mm | 29 |

CONSTRUCTION

| FIBER | |
|--------------|-----------------------------------|
| Fibers | 2-12 |
| Type | 50/125 Multimode OM4 |
| Coating | 250 µm "Soft Peel" S-Type Coating |
| Color Coding | Per TIA/EIA 598C |

| JACKET | |
|---------------------------------|---------------------------------------|
| Type | Riser Rated PVC + UV (Indoor/Outdoor) |
| Color | Black |
| Outer Diameter | 4.8 mm |
| Subunit | 2.5 mm, Violet PVC + UV |
| Markings | Sequential Foot Markings |
| Strength Member | Aramid + water blocking yarns |
| Circumferential Strength Member | Aramid yarns |

| PHYSICAL DATA | |
|---|---|
| Storage Temperature Range | -40°C to +70°C |
| Operating Temperature Range | -40°C to +70°C |
| Installation Temperature Range | -20°C to +55°C |
| Max Tensile Load (Installation) | 1000 N (225 lbf) |
| Max Tensile Load Long Term | 500 N (112 lbf) |
| Min. Bend Radius, Unloaded | 1 x O.D. |
| Cable Outside Diameter, Nominal | 4.8 mm |
| Cable Package | 1000 ft Reel or customer request, spooled |
| Rating | Riser (OFNR) FT4 |
| Crush Resistance (TIA/EIA 455-41A) | 100 kgf / mm |
| Impact Resistance (TIA/EIA 455-25B) | 1500 impact cycles |
| Flexing @ 90 degrees (TIA/EIA 455-104A) | 2000 flexing cycles |

| ENVIRONMENTAL CHARACTERISTICS (SSF™ FIBER) | |
|---|---------------|
| Temperature Dependence, 850 nm and 1300 nm Induced Attenuation -60°C to + 85°C | ≤ 0.5 dB / km |
| Watersoak Dependence, 850 nm and 1300 nm Induced Attenuation at 20°C for 30 days | ≤ 0.5 dB / km |
| Damp Heat Dependence, 850 nm and 1300 nm Induced Attenuation at 85°C, 85% R.H., 30 days | ≤ 0.5 dB / km |
| Dry Heat Dependence, 850 nm and 1300 nm Induced Attenuation at 85°C, 30 days | ≤ 0.5 dB / km |

| PHYSICAL CHARACTERISTICS (SSF™ FIBER) | |
|--|---------------|
| Core Diameter | 50.0 ± 2.5 µm |
| Core Non-circularity | ≤ 6% |
| Core / Hybrid Cladding Concentricity Error | ≤ 3.0 µm |
| Hybrid Cladding Diameter | 125 ± 2 µm |
| Hybrid Cladding Non-Circularity | ≤ 2.0% |
| Soft Peel Jacket Identifier | 245 ± 10 µm |
| Coating Strip Force | 100 g |
| Fiber Curl | ≥ 2 m |
| Proof Test | 100 kpsi |
| Dynamic Fatigue (n _d) 23°C, 41% R.H. | = 30 |
| Length | 1.0 - 8.8 Km |

| OPTICAL CHARACTERISTICS (SSF™ FIBER) | | |
|--------------------------------------|--------------------------------------|-----------------|
| Attenuation Coefficient | 850 nm | ≤ 3.5 dB/km |
| | 1300 nm | ≤ 1 dB/km |
| Bend Induced Attenuation, 850 nm | 2 turns around 15 mm radius mandrel | ≤ 0.2 dB |
| | 2 turns around 7.5 mm radius mandrel | ≤ 0.5 dB |
| 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 |

| BACKSCATTER CHARACTERISTICS | | |
|------------------------------------|--------------|-------|
| Attenuation Directional Uniformity | ≤ 0.05 dB/km | |
| Attenuation Uniformity | ≤ 0.05 dB | |
| Group Index of Refraction | 850 nm | 1.481 |
| | 1300 nm | 1.476 |

| COMPLIANCE | |
|--|--|
| <p>UL Listed Type OFNR, CSA FT4, IECA S-83-596. 2-12 Strand LSZH Listed CPR Cca-s1a,d1,a1. DoP Available on Request. RoHS Compliant Directive 2011/65/EU SSF™ conforms to the requirement of IEC 60793-2-10 A1a, ISO/IEC 11801 & ITU-T G.651.1 850 nm Laser-Optimized 50 µm core Multimode fiber for 10 Gb/s and above applications.</p> | |