Cleerline SSF™ 6-12 strand Rugged Micro Distribution cable is composed of a 3.0 mm distribution style SSF™ cable subunit within an overall Riser rated PVC jacket.

SSF™ Rugged Micro Distribution is ideal for installation outdoors in ducts or indoors in riser spaces and tray installations. This cable incorporates an additional layer of fiberglass yarns for strength. SSF™ Rugged Micro Distribution is also rodent resistant.

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.

**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
- Rodent resistant

**APPLICATIONS**

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

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>FIBERS</th>
<th>DESCRIPTION</th>
<th>TYPE</th>
<th>O.D.</th>
<th>WEIGHT (LB / 1000 FT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6RMD50125OM4R</td>
<td>6 Fibers</td>
<td>6 Strand 50/125 SSF - 1000 ft Spool</td>
<td>Riser Indoor/Outdoor</td>
<td>6.1 mm</td>
<td>29</td>
</tr>
<tr>
<td>6RMD50125OM4R-B</td>
<td>6 Fibers</td>
<td>6 Strand 50/125 SSF - Cut to Order</td>
<td>Riser Indoor/Outdoor</td>
<td>6.1 mm</td>
<td>29</td>
</tr>
<tr>
<td>12RMD50125OM4R</td>
<td>12 Fibers</td>
<td>12 Strand 50/125 SSF - 1000 ft Spool</td>
<td>Riser Indoor/Outdoor</td>
<td>6.1 mm</td>
<td>29</td>
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<tr>
<td>12RMD50125OM4R-B</td>
<td>12 Fibers</td>
<td>12 Strand 50/125 SSF - Cut to Order</td>
<td>Riser Indoor/Outdoor</td>
<td>6.1 mm</td>
<td>29</td>
</tr>
</tbody>
</table>
### Construction

#### Fiber
- **Fibers**: 6, 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**: 6.1 mm
- **Subunit**: 3.0 mm, Violet PVC + UV
- **Markings**: Sequential Foot Markings
- **Strength Member**: Kevlar + water blocking yarns
- **Circumferential Strength Member**: Fiberglass 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**: 6.1 mm
- **Cable Package**: 1000 ft Reel or customer request, spooled
- **Rating**: FT4 - Riser
- **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

#### Optical Characteristics (SSF™ Fiber)
- **Attenuation Coefficient**
  - **850 nm**: 5.0 ± 2.5 μm
  - **1300 nm**: ≤ 40 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

#### Backscatter Characteristics (SSF™ Fiber)
- **Attenuation Directional Uniformity**: ≤ 0.05 dB/km
- **Group Index of Refraction**
  - **850 nm**: 1.481
  - **1300 nm**: 1.476

#### Compliance
- ETL 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, ISO/IEC 11801 & ITU-T G.651.1 850 nm Laser-Optimized 50 μm core multimode fiber for 10 Gb/s and above applications.