

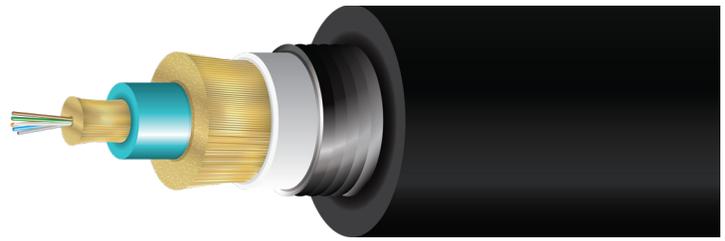
Micro-Distribution LT, PE/OSP/Burial, 50/125, OM3

Cleerline SSF™ Armored Corrugated Steel Micro Distribution cable consists of a PE overall jacket with 2, 6, or 12 fibers and water-blocking Aramid yarns.

The core is protected by a corrugated armored steel tube that offers easy installation and high crush resistance. A polyethylene, UV-resistant jacket protects the cable, allowing direct burial.

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

This product offers bend performance beyond EIA SP-2840A, as well as superior crush resistance and superior pull.



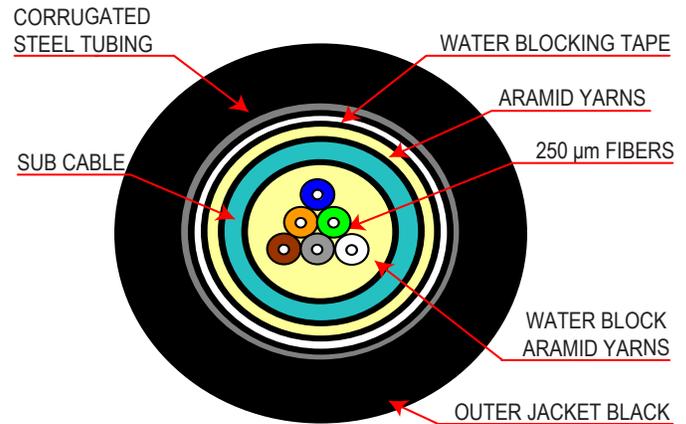
3D VIEW

FEATURES AND BENEFITS

- High mechanical strength, superior fatigue
- Compatible with common connector systems for 50/125 Multimode
- Integral SSF™ coating provides glass protection
- Exclusive 250 µm Soft Peel acrylate
- High crush resistance
- Cable built to withstand rugged environments

APPLICATIONS

- Outdoor direct burial
- Installations requiring high crush resistance



TYPICAL CROSS SECTION

| PART NUMBER | FIBERS | DESCRIPTION | JACKET RATING | O.D. | WEIGHT (LB / 1000 FT) |
|-------------------|-----------|--|---------------|--------|-------------------------|
| 2ACS501250M3PE | 2 Fibers | 2 Strand Direct Burial 50/125 SSF - 1000 ft Spool | PE-UV | 9.0 mm | 62 (0.58/ft + Reel wt.) |
| 2ACS501250M3PE-B | 2 Fibers | 2 Strand Direct Burial 50/125 SSF - Cut to Order | PE-UV | 9.0 mm | 62 (0.58/ft + Reel wt.) |
| 6ACS501250M3PE | 6 Fibers | 6 Strand Direct Burial 50/125 SSF - 1000 ft Spool | PE-UV | 9.0 mm | 62 (0.58/ft + Reel wt.) |
| 6ACS501250M3PE-B | 6 Fibers | 6 Strand Direct Burial 50/125 SSF - Cut to Order | PE-UV | 9.0 mm | 62 (0.58/ft + Reel wt.) |
| 12ACS501250M3PE | 12 Fibers | 12 Strand Direct Burial 50/125 SSF - 1000 ft Spool | PE-UV | 9.0 mm | 62 (0.58/ft + Reel wt.) |
| 12ACS501250M3PE-B | 12 Fibers | 12 Strand Direct Burial 50/125 SSF - Cut to Order | PE-UV | 9.0 mm | 62 (0.58/ft + Reel wt.) |

CONSTRUCTION

| FIBER | |
|--------------|-----------------------------------|
| Fibers | 2, 6, 12 |
| Type | 50/125 Multimode OM3 |
| Coating | 250 µm "Soft Peel" S-Type Coating |
| Color Coding | Per TIA/EIA 598C |

| JACKET | |
|-----------------|-------------------------------------|
| Type | PE-UV, moisture resistant (Outdoor) |
| Color | Black |
| Outer Diameter | 9.0 mm |
| Markings | Sequential Foot Markings |
| Strength Member | Aramid + water blocking yarns |

| PHYSICAL DATA | |
|---------------------------------|---|
| Storage Temperature Range | -50°C to +70°C |
| Operating Temperature Range | -40°C to +70°C |
| Max Tensile Load (Installation) | 607 lbf / 275 kgf (2700N) |
| Max Tensile Load Long Term | 200 lbf / 90 kgf (890N) |
| Allowable Bend Radius | Loaded 20 x O.D. |
| | Unloaded 15 x O.D. |
| Subunit Diameter | 3.0 mm Loose Tube |
| Cable Outside Diameter, Nominal | 9.0 mm |
| Construction | Loose Tube, Corrugated Steel Tube |
| Cable Package | 1000 ft Reel or customer request, spooled |
| Crush Resistance (N/100 mm) | 674 lbf / 305 kgf (3000N) |

| FIBER OPTIC CHARACTERISTICS | | |
|----------------------------------|-----------------------|-------------|
| Max. Attenuation | 850 ± 20 nm | ≤ 3.5 dB/km |
| | 1300 ± 20 nm | ≤ 1 dB/km |
| Bend Induced Attenuation, 850 nm | 2 turns, 15 mm radius | ≤ 0.2 dB |
| | 2 turns, 15 mm radius | ≤ 0.5 dB |

| FIBER PERFORMANCE - ATTENUATION UNDER TEST | | |
|--|--|-------------|
| Item | Standard Compliance & Condition | Δ Loss |
| High Humidity Aging | IEC 60793-1-50, 85°C/85% RH, 30 Days | < 0.2 dB/km |
| Thermal Aging | IEC 60793-1-51, 85°C, 30 Days | < 0.2 dB/km |
| Temperature Cycling | IEC 60793-1-52, -10°C - 85°C, 21 cycles | < 0.2 dB/km |
| Water Soak | IEC 60793-1-53, 23°C/soak in water, 30 days | < 0.2 dB/km |
| Hydrogen Aging | IEC 60793-2-50, 23°C/Hydrogen loading 0.01 atm | N/A |

| CABLE PERFORMANCE - ATTENUATION UNDER TEST | | |
|--|--|--------------|
| Item | Standard Compliance & Condition | Δ Loss |
| Cyclic Flexing Test | TIA/EIA-455-104A Sheave diameter: 20D Flexing Angle: ± 90° Flexing speed: 30 cycles/min Flexing Cycles: 2000 Load: 5 kg | < 0.30 dB/km |
| Impact Test | TIA/EIA-455-25B Flexing cycle: 1500 Flexing speed: 30 ± 1 cycles/min | < 0.30dB/km |
| Compressive Loading Resistance Test | TIA/EIA-455-41A 220 kgf/mm, 10 min | <0.30 dB/km |

COMPLIANCE

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.