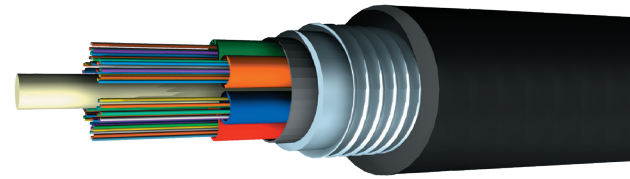


Gel-Free Armored OSP Loose Tube (LE Series Gel-Free SJ SA)

AFL LE-Series Gel-Free Single Jacket Single Armor fiber optic cables incorporate dry water-absorption technology within the fiber-containing buffer tubes along with the protection of steel corrugated armor.



Features

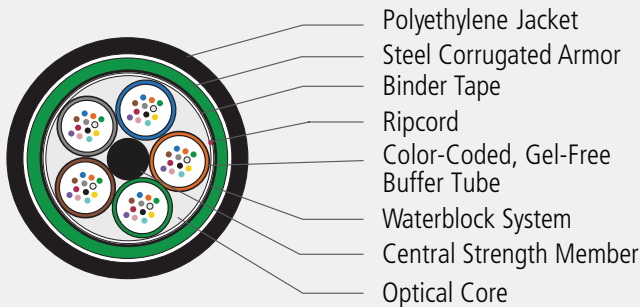
- Fiber counts from 12 to 216
- Gel-free buffer tubes reduce fiber prep termination time
- UV-stabilized outer jacket for long-term performance in aerial applications
- Crush and rodent-resistant protection from steel armor
- Cable markings are hot stamp printed
- Easy to prep

Applications

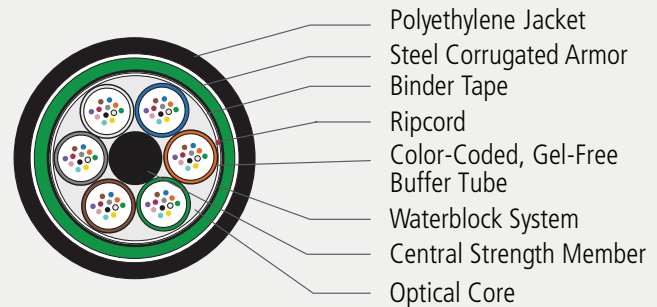
- Distribution
- Direct bury
- Underground duct
- Long Haul networking
- Building Interconnections (Campus LAN)
- Local Loop

Cable Components

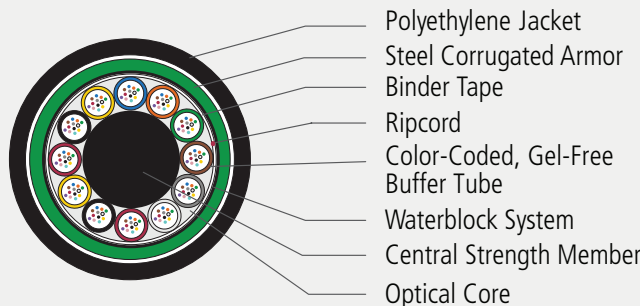
Armored Loose Tube Cable with 5-unit Fiber Optic Core



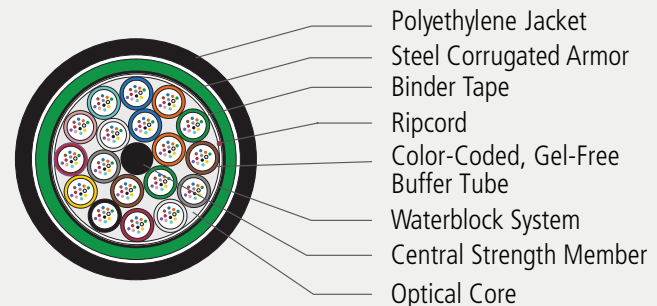
Armored Loose Tube Cable with 6-unit Fiber Optic Core



Armored Loose Tube Cable with 12-unit Fiber Optic Core



Armored Loose Tube Cable with 18-unit Fiber Optic Core



continued
→

Gel-Free Armored OSP Loose Tube (LE Series Gel-Free SJ SA)

Fiber Specifications

| Fiber Type | Maximum Attenuation (dB/km) | | Gigabit Ethernet Min. Link Distance (meters) |
|--------------------------|-----------------------------|---------|--|
| | 1310 nm | 1550 nm | 1300 nm |
| (9) Single-mode | 0.35 | 0.25 | 5000 |
| (AZ) Corning Single-mode | 0.35 | 0.25 | 5000 |

Actual link distances may be constrained by attenuation, depending on specific loss budget

Typical Lengths

| FIBER COUNT | Maximum Lengths* | |
|-------------|------------------|--------|
| | SINGLE-MODE | |
| | feet | meters |
| 12-60 | 22,960 | 7000 |
| 72-96 | 22,960 | 7000 |
| 144 | 22,960 | 7000 |
| 216 | 22,960 | 7000 |

* Longer lengths may be available upon request.

Mechanical Data

| AFL NO. | Fiber Count | Fibers Per Tube | No. of Tubes | NOMINAL DIAMETER | WEIGHT | Max. Tensile Load | | Min. BENDING RADIUS | |
|----------------|-------------|-----------------|-----------------|------------------|--------------------|-------------------|-----------|---------------------|-----------|
| | | | | | | lbs (N) | | inches (cm) | |
| | | | | inches (mm) | lbs/1000ft (kg/km) | Short term | Long Term | Short term | Long Term |
| LE012*C5201S1D | 12 | 12 | 1 (4 fillers) | 0.484 (12.3) | 87 (129) | 600 (2670) | 180 (800) | 10 (25) | 8 (19) |
| LE024*C5201S1D | 24 | 12 | 2 (3 fillers) | 0.484 (12.3) | 86 (129) | 600 (2670) | 180 (800) | 10 (25) | 8 (19) |
| LE048*C5201S1D | 48 | 12 | 4 (1 fillers) | 0.484 (12.3) | 86 (127) | 600 (2670) | 180 (800) | 10 (25) | 8 (19) |
| LE072*C6201S1D | 72 | 12 | 6 (no fillers) | 0.516 (13.1) | 96 (144) | 600 (2670) | 180 (800) | 11 (27) | 8 (20) |
| LE096*C8201S1D | 96 | 12 | 8 (no fillers) | 0.575 (14.6) | 117 (174) | 600 (2670) | 180 (800) | 12 (30) | 9 (22) |
| LE144*CC201S1D | 144 | 12 | 12 (no fillers) | 0.709 (18.0) | 173 (257) | 600 (2670) | 180 (800) | 15 (36) | 11 (27) |
| LE216*CI201S1D | 216 | 12 | 18 (no fillers) | 0.709 (18.0) | 160 (238) | 600 (2670) | 180 (800) | 15 (36) | 11 (27) |

NOTE: Diameter and weight subject to change without notice.

* Fiber Types - Replace asterisk (*) in AFL number with number in the Fiber Specifications table above

Reel Information

| Item | REEL 1 | | REEL 2 | | REEL 3 | | REEL 4 | |
|--------------------------|--------|-----|--------|-----|--------|-----|--------|-----|
| | inches | cm | inches | cm | inches | cm | inches | cm |
| Reel Height | 58 | 147 | 66 | 168 | 72 | 183 | 84 | 213 |
| Reel Width Outside | 38 | 97 | 42 | 107 | 42 | 107 | 44 | 112 |
| Reel Width Inside | 32 | 81 | 36 | 91 | 36 | 91 | 38 | 97 |
| Drum Diameter | 28 | 71 | 36 | 91 | 36 | 91 | 35 | 89 |
| Min. Arbor Hole Diameter | 3 | 7.9 | 3 | 7.9 | 3 | 7.9 | 3 | 7.9 |
| Tare Weight | 441 | 200 | 573 | 260 | 662 | 300 | 917 | 416 |

AFL typically provides Loose Tube cable on several standard sizes of non-returnable wooden reels. Non-standard reel sizes are available upon request. Larger reel sizes may be required to accommodate long cable lengths.

Qualifications

| Governing Body | Standard Code | Component |
|----------------|---------------|-----------|
| Telcordia | GR-20-CORE | Cable |
| ICEA | 640 | Cable |
| TIA | 598-D | Fiber |

Temperature Specifications

| Temperature Range | |
|-------------------|----------------|
| Operation | -40°C to +70°C |
| Storage | -40°C to +75°C |
| Installation | -30°C to +70°C |

Contact AFL for your customized cable solution.