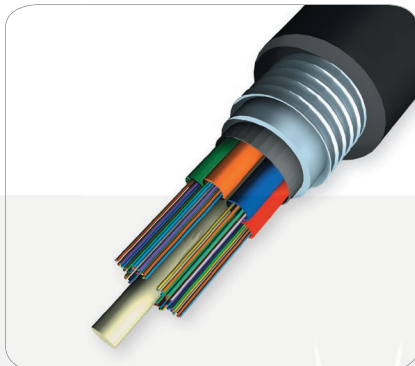




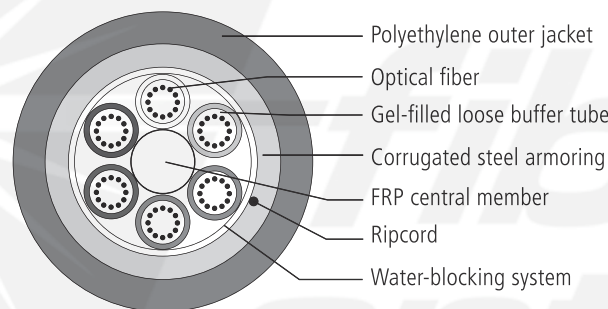
## Single-Jacket Single-Armor OSP Loose Tube (LE Series SASJ)

Acting as the backbone for most of today's fiber based systems, stranded fiber optic cables play a critical role in the high speed network. AFL's Armored Loose Tube Single Jacket/Single Armor fiber optic cables are designed to provide high fiber counts with the flexibility and versatility required for today's most demanding installations, including direct buried. With fiber counts up to 288 and S-Z strand designs for easy mid-span access, AFL's cables comply with EIA/TIA, REA/RUS PE-90 and GR-20. Industry standard designs combined with innovative technologies, such as a dry core product, yield a world class cable that will support today's and tomorrow's technological needs.

### Product Applications

- Long Haul Networking
- Building Interconnections (Campus LAN)
- Trunking Lines Direct to Telecommunications Closet
- Local Loop
- Distance Learning
- Distribution
- Intrabuilding Backbones

### Cable Components



### Temperature Specifications

| TEMPERATURE RANGE |                |
|-------------------|----------------|
| INSTALLATION      | -30°C to +70°C |
| OPERATING         | -40°C to +70°C |
| STORAGE           | -40°C to +75°C |

### Typical Lengths

| MAXIMUM LENGTHS* |             |        |           |        |
|------------------|-------------|--------|-----------|--------|
| FIBER COUNT      | SINGLE-MODE |        | MULTIMODE |        |
|                  | FEET        | METERS | FEET      | METERS |
| 6 - 288          | 19,686      | 6,000  | 19,686    | 6,000  |

\* Longer lengths may be available upon request.

### Fiber Specifications

| FIBER TYPE                                  | MAXIMUM ATTENUATION (DB/KM) |         |         |         | OVERFILL LAUNCH MIN. BANDWIDTH (MHZ•KM) |         | GIGABIT ETHERNET MIN. LINK DISTANCE (METERS) |         |
|---------------------------------------------|-----------------------------|---------|---------|---------|-----------------------------------------|---------|----------------------------------------------|---------|
|                                             | 850 NM                      | 1300 NM | 1310 NM | 1550 NM | 850 NM                                  | 1300 NM | 850 NM                                       | 1300 NM |
| (6) 62.5/125 GIGA-Link™ 300                 | 3.5                         | 1.2     | N/A     | N/A     | 200                                     | 600     | 300                                          | 550     |
| (5) 50/125 GIGA-Link™ 600                   | 2.9                         | 0.9     | N/A     | N/A     | 500                                     | 500     | 600                                          | 600     |
| (L) 50/125 Laser-Link™ 300                  | 2.9                         | 0.9     | N/A     | N/A     | 1500                                    | 500     | 900                                          | 550     |
| (9) Single-mode                             | N/A                         | N/A     | 0.35    | 0.25    | N/A                                     | N/A     | N/A                                          | 5000    |
| (Q) Non-zero Dispersion-shifted Single-mode | N/A                         | N/A     | N/A     | 0.25    | N/A                                     | N/A     | N/A                                          | N/A     |
| (K) AFL G.657.A1 Single-mode                | N/A                         | N/A     | 0.35    | 0.25    | N/A                                     | N/A     | N/A                                          | 5000    |

Gigabit Ethernet Minimum Link Distances are based on "bandwidth"/modal dispersion constraints. Actual link distances may be constrained by attenuation, depending on specific loss budget.

## Single-Jacket Single-Armor OSP Loose Tube (LE Series SASJ)

### Ordering Information

| AFL NO.       | FIBER COUNT | NUMBER OF TUBES/FIBERS  | NOMINAL DIAMETER |      | NOMINAL WEIGHT |       | MAXIMUM TENSILE LOAD<br>LBS (N) |           | MINIMUM BEND RADIUS<br>INCHES (CM) |            |
|---------------|-------------|-------------------------|------------------|------|----------------|-------|---------------------------------|-----------|------------------------------------|------------|
|               |             |                         | INCHES           | MM   | LBS/1,000FT    | KG/KM | SHORT TERM                      | LONG TERM | SHORT TERM                         | LONG TERM  |
| LE006★C5201S1 | 6           | 1w/6 (4 fillers)        | 0.52             | 13.3 | 102            | 152   | 600 (2670)                      | 200 (890) | 10.7 (28)                          | 5.4 (14)   |
| LE012★C5201S1 | 12          | 1w/12 (4 fillers)       | 0.52             | 13.3 | 102            | 152   | 600 (2670)                      | 200 (890) | 10.7 (28)                          | 5.4 (14)   |
| LE018★C5201S1 | 18          | 1w/12, 1w/6 (3 fillers) | 0.52             | 13.3 | 103            | 153   | 600 (2670)                      | 200 (890) | 10.7 (28)                          | 5.4 (14)   |
| LE024★C5201S1 | 24          | 2w/12 (3 fillers)       | 0.52             | 13.3 | 103            | 154   | 600 (2670)                      | 200 (890) | 10.7 (28)                          | 5.4 (14)   |
| LE030★C5201S1 | 30          | 2w/12, 1w/6 (2 fillers) | 0.52             | 13.3 | 104            | 155   | 600 (2670)                      | 200 (890) | 10.7 (28)                          | 5.4 (14)   |
| LE036★C5201S1 | 36          | 3w/12 (2 fillers)       | 0.52             | 13.3 | 104            | 155   | 600 (2670)                      | 200 (890) | 10.7 (28)                          | 5.4 (14)   |
| LE048★C5201S1 | 48          | 4w/12 (1 filler)        | 0.52             | 13.3 | 105            | 157   | 600 (2670)                      | 200 (890) | 10.7 (28)                          | 5.4 (14)   |
| LE060★C5201S1 | 60          | 5w/12 (no fillers)      | 0.52             | 13.3 | 106            | 158   | 600 (2670)                      | 200 (890) | 10.7 (28)                          | 5.4 (14)   |
| LE072★C6201S1 | 72          | 6w/12 (no fillers)      | 0.56             | 14.2 | 120            | 179   | 600 (2670)                      | 200 (890) | 11.4 (29)                          | 5.7 (15)   |
| LE084★C8201S1 | 84          | 7w/12 (1 filler)        | 0.63             | 16.0 | 146            | 218   | 600 (2670)                      | 200 (890) | 12.8 (33)                          | 6.4 (16.3) |
| LE096★C8201S1 | 96          | 8w/12 (no fillers)      | 0.63             | 16.0 | 147            | 219   | 600 (2670)                      | 200 (890) | 12.8 (33)                          | 6.4 (16.3) |
| LE108★CA201S1 | 108         | 9w/12 (1 filler)        | 0.70             | 17.8 | 176            | 262   | 600 (2670)                      | 200 (890) | 14.2 (37)                          | 7.1 (18)   |
| LE120★CA201S1 | 120         | 10w/12 (no fillers)     | 0.70             | 17.8 | 177            | 264   | 600 (2670)                      | 200 (890) | 14.2 (37)                          | 7.1 (18)   |
| LE132★CC201S1 | 132         | 11w/12 (1 filler)       | 0.78             | 19.7 | 213            | 317   | 600 (2670)                      | 200 (890) | 15.7 (40)                          | 7.9 (20)   |
| LE144★CC201S1 | 144         | 12w/12 (no fillers)     | 0.78             | 19.7 | 214            | 319   | 600 (2670)                      | 200 (890) | 15.7 (40)                          | 7.9 (20)   |
| LE192★O8201S1 | 192         | 8 w/24 (no fillers)     | 0.63             | 16.0 | 152            | 226   | 600 (2670)                      | 200 (890) | 12.8 (33)                          | 6.4 (16.3) |
| LE288★OC201S1 | 288         | 12 w/24 (no fillers)    | 0.78             | 19.7 | 219            | 326   | 600 (2670)                      | 200 (890) | 15.7 (40)                          | 7.9 (20)   |

Note: Diameter and weight subject to change without notice

★ Fiber Types – Replace asterisk (★) in AFL number with number in the Fiber Specifications table on previous page.

### Reel Information

| ITEM                     | REEL A  |       | REEL B  |        | REEL C  |        | REEL D  |        | REEL E  |        |
|--------------------------|---------|-------|---------|--------|---------|--------|---------|--------|---------|--------|
|                          | INCHES  | CM    | INCHES  | CM     | INCHES  | CM     | INCHES  | CM     | INCHES  | CM     |
| Reel Height              | 42      | 106.7 | 58      | 147.3  | 66      | 167.6  | 72      | 182.8  | 84      | 213.4  |
| Reel Width Outside       | 36      | 91.4  | 38      | 96.5   | 42      | 106.7  | 42      | 106.7  | 40      | 101.6  |
| Reel Width Inside        | 32      | 81.6  | 32      | 81.3   | 36      | 91.4   | 36      | 91.4   | 34      | 86.4   |
| Drum Diameter            | 23      | 58.7  | 28      | 71.1   | 36      | 91.4   | 36      | 91.4   | 35      | 88.9   |
| Arbor Hole Diameter      | 3       | 7.9   | 3       | 7.9    | 3       | 7.9    | 3       | 7.9    | 3       | 7.9    |
| Reel Weight With Lagging | 180 lbs | 82 kg | 420 lbs | 191 kg | 685 lbs | 311 kg | 710 lbs | 320 kg | 950 lbs | 431 kg |

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.