

# Outside Plant

## Dry FlexLink™ Armored

### STRANDED LOOSE TUBE CABLE

for Aerial, Duct and Direct-Buried Applications

#### Features and Benefits

##### Dry Water-Blocking Technology

- > Buffer Tube and Core are completely dry--no gel
- > Permits rapid cable preparation and termination
- > Water-Blocking materials are easily removed

##### Corrugated Steel Armor

- > Provides additional mechanical protection

##### Medium Density Polyethylene Jacket

- > Low friction installation
- > Excellent protection from environmental hazards

##### Sheath Markings

- > Provide positive identification and length verification
- > Custom print available
- > Optional embedded stripe available for additional cable identification

##### Reverse Oscillated Lay Stranding Method

- > Facilitates mid-span access of fibers

##### Additional Options

- > Twisted copper pairs provide remote power or communications
- > Factory-Installed pulling eye saves time when setting up for cable pulls

##### Performance

- > Meets or exceeds the performance requirements of Telcordia GR-20, Issue 3 and ICEA 640, and is tested in accordance with relevant EIA-455 series FOTPs for fiber optic cables
- > RDUP listed (tested in accordance with PE-90)

##### Registered Supplier

- > ISO 9001, ISO 14001, and TL 9000

#### Performance Specifications

##### Bend Radius

|         |               |
|---------|---------------|
| Dynamic | 20 x Cable OD |
| Static  | 10 x Cable OD |

##### Tensile Rating

|              | N    | lbf |
|--------------|------|-----|
| Installation | 2700 | 600 |
| Residual     | 800  | 180 |

##### Crush Resistance

|                      | N/cm    | lbf/in |
|----------------------|---------|--------|
| Short Term/Long Term | 220/110 | 125/63 |

##### Temperature Ratings

|                  | °C         | °F          |
|------------------|------------|-------------|
| Operation        | -40 to +70 | -40 to +158 |
| Installation     | -30 to +60 | -22 to +140 |
| Storage/Shipping | -40 to +75 | -40 to +167 |

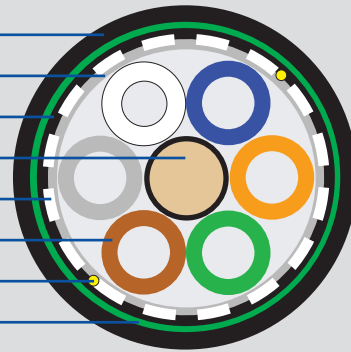


## NOMINAL DESIGN PARAMETERS

| Fiber Count              |                 | 2-60     | 62-72  | 74-96  | 98-120 | 122-144 | 146-216 | 218-264 | 266-288 |        |
|--------------------------|-----------------|----------|--------|--------|--------|---------|---------|---------|---------|--------|
| <b>Buffer Tube Count</b> |                 | 5        | 6      | 8      | 10     | 12      | 18      | 22      | 24      |        |
| <b>Buffer Tube OD</b>    | (mm)            | 2.8      | 2.8    | 2.8    | 2.8    | 2.8     | 2.8     | 2.8     | 2.8     |        |
| <b>Single Jacket</b>     | <b>Cable OD</b> | (mm)     | 13.2   | 14.0   | 15.8   | 17.7    | 19.6    | 19.7    | 22.5    | 23.8   |
|                          |                 | (inches) | 0.52   | 0.55   | 0.62   | 0.70    | 0.77    | 0.78    | 0.89    | 0.94   |
| <b>Cable Weight</b>      |                 | (kg/km)  | 140    | 161    | 193    | 237     | 285     | 262     | 353     | 402    |
|                          |                 | (lb/kft) | 94     | 108    | 130    | 159     | 192     | 176     | 236     | 270    |
| <b>Max. Length</b>       |                 | (m)      | 12,800 | 12,800 | 11,929 | 9,675   | 7,643   | 7,604   | 5,715   | 5,246  |
|                          |                 | (ft)     | 41,984 | 41,984 | 39,127 | 31,734  | 25,067  | 24,940  | 18,745  | 17,207 |
| <b>Double Jacket</b>     | <b>Cable OD</b> | (mm)     | 15.3   | 16.3   | 18.1   | 19.8    | 22.3    | 22.5    | --      | --     |
|                          |                 | (inches) | 0.60   | 0.64   | 0.71   | 0.78    | 0.88    | 0.88    | --      | --     |
| <b>Cable Weight</b>      |                 | (kg/km)  | 190    | 210    | 250    | 294     | 377     | 360     | --      | --     |
|                          |                 | (lb/kft) | 128    | 141    | 168    | 198     | 253     | 241     | --      | --     |
| <b>Max. Length</b>       |                 | (m)      | 12,800 | 10,627 | 8,578  | 7,842   | 6,424   | 6,366   | --      | --     |
|                          |                 | (ft)     | 41,984 | 34,858 | 28,138 | 25,722  | 21,072  | 20,880  | --      | --     |

## CABLE CONSTRUCTION

- Outer Jacket
- Water Blocking Tape
- Inner Jacket (Double Jacket Designs Only)
- Central Strength Member
- Outer Strength Members (where applicable)
- Dry-Blocked Buffer Tube Containing up to 12 Fibers
- Ripcord
- Corrugated Steel Armor



## ORDERING INFORMATION

Select a part number according to the fiber count you want:

| Fiber Count | 1                        | 2                        | 3                        | 3                        |   |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|---|
| 0002-0006   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | A |
| 0008-0036   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | A |
| 0038-0312   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | A |

Note: Standard lay-up for fiber counts of 12 or more is 12 fibers per tube. Please call for custom lay-ups.

Then, use the following options to complete the part number:

### 1 Fiber Type

H = G.652.D Single-Mode Low Water Peak  
Z = Corning™ SMF-28e+ Fiber

### 3 Jacket Design

AJ= Single Armor-Single Jacket  
SA= Single Armor-Double Jacket

### 2 Attenuation

B = 0.35/0.35/0.25 dB/km @ 1310/1383/1550 nm  
C = 0.40/0.40/0.30 dB/km @ 1310/1383/1550 nm

Note: Please refer to the Fiber Code Addendum for additional fiber options, or contact us for help.

### Example:

If you need a 36 count Dry FlexLink™ single armor/single jacket cable with Low Water Peak Single-Mode fiber and 0.40/0.40/0.30 attenuation, order Part Number 0036HCT1LAJEAJA.

To place an order, contact us in one of the following ways:

700 Industrial Drive, Lexington SC 29072 - (800) 669-0808 (Inside Sales) - Fax (800) 951-5040 - [comm.cables@prysmian.com](mailto:comm.cables@prysmian.com)