

FlexLink™

Loose Tube Cable for Aerial and Duct Applications



Features and Benefits

Dry Water-Blocking Technology

- Permits rapid cable preparation and termination
- Water-Blocking materials are easily removed

Flexible Buffer Tubes

- Superior kink resistance
- Increased flexibility
- Facilitates route management in closures
- Eliminates need for closure transportation tubes

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

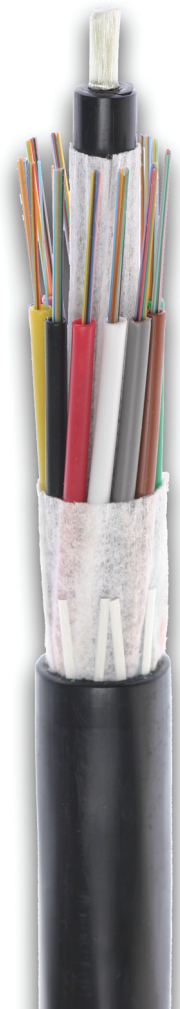
- Twisted copper pairs provide remote power or communications
- Factory-Installed pulling eye saves time when setting up for cable pulls

Performance

- Meets or exceeds the requirements of Telcordia GR-20, Issue 2 and ICEA 640, and is tested in accordance with relevant EIA-455 series FOTPs for fiber optic cables
- Single-Jacket design is DUP (RUS) listed (both designs tested in accordance with PE-90)

Registered Supplier

- ISO 9001, ISO 14001, and TL 9000



FlexLink™

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 |

700 Industrial Drive
Lexington, SC 29072



www.prysmianusa.com

For more information or to place an order, please
contact Supply Solutions at 866-978-7759.

Courtesy of Prysmian.

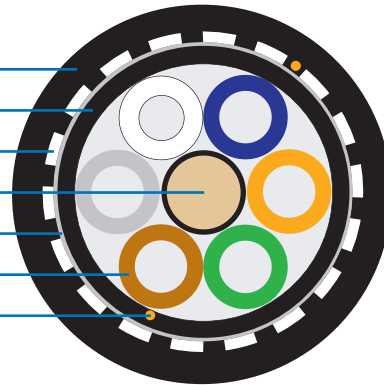
Tel (803) 951-4800
Fax (803) 996-1812

Nominal Design Parameters

| Fiber Count | | 2-60 | 62-72 | 74-96 | 98-120 | 122-144 | 146-216 | 218-264 | 266-288 | 290-312 | |
|-------------------|--------------|----------|--------|--------|--------|---------|---------|---------|---------|---------|--------|
| Buffer Tube Count | | 5 | 6 | 8 | 10 | 12 | 18 | 22 | 24 | 26 | |
| Buffer Tube OD | (mm) | 2.65 | 2.65 | 2.65 | 2.65 | 2.65 | 2.65 | 2.65 | 2.65 | 2.65 | |
| Single Jacket | Cable OD | (mm) | 11.1 | 12.0 | 13.7 | 15.4 | 17.3 | 17.6 | 19.0 | 20.0 | 21.3 |
| | | (inches) | 0.44 | 0.47 | 0.54 | 0.61 | 0.68 | 0.69 | 0.75 | 0.79 | 0.84 |
| Single Jacket | Cable Weight | (kg/km) | 82 | 98 | 125 | 158 | 197 | 191 | 228 | 255 | 285 |
| | | (lb/kft) | 55 | 66 | 84 | 106 | 132 | 128 | 153 | 171 | 191 |
| Single Jacket | Max. Length | (m) | 12,800 | 12,800 | 12,800 | 12,636 | 10,013 | 9,675 | 8,302 | 7,493 | 6,605 |
| | | (ft) | 41,984 | 41,984 | 41,984 | 41,446 | 32,843 | 31,734 | 27,231 | 24,577 | 21,664 |
| Double Jacket | Cable OD | (mm) | 13.0 | 13.7 | 15.4 | 17.1 | 19.0 | -- | -- | -- | -- |
| | | (inches) | 0.51 | 0.54 | 0.61 | 0.67 | 0.75 | -- | -- | -- | -- |
| Double Jacket | Cable Weight | (kg/km) | 116 | 134 | 165 | 195 | 248 | -- | -- | -- | -- |
| | | (lb/kft) | 78 | 90 | 111 | 131 | 167 | -- | -- | -- | -- |
| Double Jacket | Max. Length | (m) | 12,800 | 12,800 | 12,800 | 10,013 | 8,215 | -- | -- | -- | -- |
| | | (ft) | 41,984 | 41,984 | 41,984 | 32,843 | 26,945 | -- | -- | -- | -- |

Cable Construction

- [Outer Jacket](#)
- [Inner Jacket \(double jacket designs only\)](#)
- [Outer Strength Members \(where applicable\)](#)
- [Central Strength Member](#)
- [Water Blocking Tape](#)
- [Gel-Filled Buffer Tube Containing up to 12 Fibers](#)
- [Ripcord](#)



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**
 G = G.652 Single-Mode
 H = G.652(d) Single-Mode Low Water Peak
- 3 Jacket Design**
 SJ= Single Jacket
 DJ= Double Jacket (no Armor)

- 2 Attenuation**
 B = 0.35/0.25 dB/km @ 1310/1550 nm
 C = 0.40/0.30 dB/km @ 1310/1550 nm

Note: Please call if you have special requirements for fiber type or attenuation.



Example:

If you need a 36 count FlexLink™ single jacket cable with Single-Mode fiber and 0.40/0.30 attenuation, order Part Number 0036GCT1LAFESJA.

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

Telephone (800) 669-0808 (Inside Sales)

Fax (800) 951-5040

For more information or to place an order, please contact Supply Solutions at 866-978-7759. Courtesy of Prysmian.

comm.cables@us.pirelli.com

