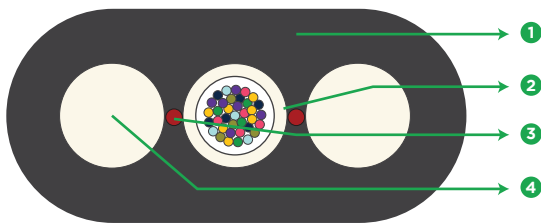


Drop-Lite

Gel Filled Flat Single Sheath OFC

4F - 24F | OH Lite - G.652.D Single Mode Fiber



1 OUTER JACKET

2 GEL FILLED LOOSE TUBE

3 RIPCORD(S)

4 STRENGTH MEMBER

* Typical Construction Diagram - Not to Scale

Features & Benefits

- Embedded strength members for anti-buckling properties
- Longitudinal water protection is enabled by water blocking compounds in tube
- Easy access to Fiber due to its Unitube construction
- Tensile and crush resistant
- UV protected

Product Details

STL DROP-LITE Flat Drop Dielectric Fiber Optic Cable offers the ease of installation in an easy access, single-tube design. This cable has optical Fibers presented in tube filled with a thixotropic gel, and is enclosed in a thermoplastic sheath. The cables have two embedded strength members for anti-buckling property. The dielectric version eliminates any bonding and grounding requirements.

Cable Performance Standards

Cable complies to the following standards IEC 60793, IEC 60794, ITU-T, RoHS, REACH, EIA/TIA-598C .

Printing Details

Printing: STL SM "FIBER TYPE" "FIBER COUNT" FLAT DROP OFC LASER SYMBOL TELEPHONE SYMBOL "YEAR OF MANUFACTURE" "LENGTH CODE" "FEET MARKING"

Note: The accuracy of marking shall be + 0.5%. Occasional loss of printing & remarking shall be as per Bell core GR 20 and this supersedes the earlier markings.
Any other cable printing can be customized based on customer request and agreement.

Specifications

| Physical Characteristics | |
|------------------------------------|----------------------------------|
| Maximum Cabled Attenuation (dB/km) | 1310nm : 0.35 & 1550nm : 0.23 |
| PMD LDV (ps/sqrt.km) | ≤ 0.1 |
| Tube Material | Polybutylene Terephthalate (PBT) |
| Tube Color | White |
| No of Tubes | 1 |
| Embedded Strength Member | FRP |
| Outer Sheath Material | UV Proof Black Polyethylene |
| Nominal Sheath Thickness (mm) | 1.1 |
| No. of Ripcords Below Sheath | 2 |

Fiber Color Sequence (AS per EIA/TIA 598C)

| | | | | | | | | | | | |
|-------|---------|--------|--------|--------|--------|------|--------|---------|---------|-------|-------|
| Blue | Orange | Green | Brown | Slate | White | Red | Black | Yellow | Violet | Rose | Aqua |
| Blue* | Orange* | Green* | Brown* | Slate* | White* | Red* | Black* | Yellow* | Violet* | Rose* | Aqua* |

Note: * Denotes single black ring marking on Fibers.

Cable Designs with G.652.D Fiber

| Product Code | Fiber Count | Fiber Color | Cable Diameter mm (inch)(± 5%) | Cable Weight Kg/Km (lbs./ft.) (± 10%) |
|--------------------|-------------|---|--------------------------------|---------------------------------------|
| F50004S301GAP10000 | 4 | Blue, Orange | 4.4 x 8.4 (0.173 x 0.33) | 38 (0.025) |
| F50006S301GAP10000 | 6 | Blue, Orange, Green, Brown, Slate, White | 4.4 x 8.4 (0.173 x 0.33) | 38 (0.025) |
| F50008S301GAP10000 | 8 | Blue, Orange, Green, Brown, Slate, White, Red, Black | 4.4 x 8.4 (0.173 x 0.33) | 39 (0.026) |
| F50012S301GAP10000 | 12 | Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua | 4.4 x 8.4 (0.173 x 0.33) | 39 (0.026) |
| F50024S301GAP10000 | 24 | Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua With Ring Marking - Blue*, Orange*, Green*, Brown*, Slate*, White*, Red*, Natural*, Yellow*, Violet*, Pink*, Aqua* | 5.0 x 9.5 (0.196 x 0.374) | 60 (0.040) |

Specifications

| Mechanical & Environmental Characteristics | | |
|--|--|--------------------|
| Cable Characteristics | Cable Performance | Testing Standard |
| Tensile Strength (N) (lbf) | 1335 (300.11) | IEC-60794-1-21-E1 |
| Crush Resistance (N/cm) (lbf/in) | 100 (57.101) | IEC-60794-1-21-E3 |
| Impact Strength (Nm)(lbf.in) | 5 (44.2) | IEC-60794-1-21-E4 |
| Torsion | ±180° | IEC-60794-1-21-E7 |
| Min. Bend Radius (During Installation) | 20 D | IEC-60794-1-21-E11 |
| Min. Bend Radius (After Installation) | 15 D | IEC-60794-1-22-F5 |
| Water Penetration Test | 1m waterhead, 3m samples, 24 h | IEC-60794-1-21-E14 |
| Drip Test | 30 cm, 70°C, 24 h | IEC-60794-1-22-F1 |
| Temperature Performance | Max. change in attenuation shall be ≤ 0.15 dB/km | |
| Installation | -30°C to +70°C (-22°F to +158°F) | |
| Operation | -40°C to +70°C (-40°F to +158°F) | |
| Storage | -40°C to +70°C (-40°F to +158°F) | |

Note : Change in attenuation after and before testing shall be ≤ 0.05 dB/km.

Packing and Lengths

| Drum Type | Length Multiple (in feet) | Order Tolerance | Short Lengths |
|--------------|---|-----------------|---------------------------|
| Wooden Drums | 13,123 , 20,000 ± 5% (For all fiber counts) | ±5% | Max 5%, Customer Approval |

For additional information please contact your sales representative.

You can also visit our website at www.stl.tech

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