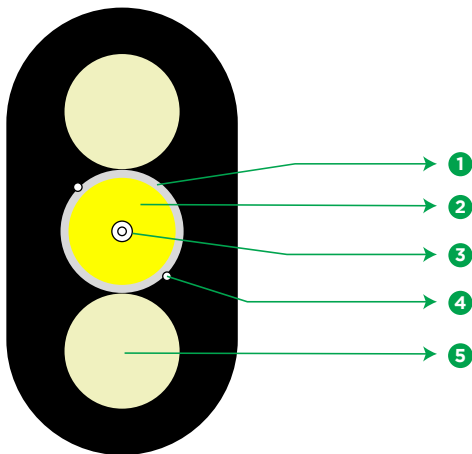


DROP-LITE

Simplex Flat Optical Fiber Cable



1 SUB-UNIT/SIMPLEX WITH THE BUFFER

2 ARAMID YARNS

3 BUFFER WITH FIBER

4 WATER SWELLABLE YARNS

5 EMBEDDED STRENGTH MEMBER IN SHEATH

* Typical Construction Diagram - Not to Scale

Features & Benefits

- Embedded strength members for anti-buckling properties
- Easy access to Fiber due to its buffer construction
- Tensile and crush resistant
- UV protected

Product Details

STL DROP-LITE Flat Drop Dielectric Fiber Optic Cable offers ease of installation in an easy access, single-buffer design. This is a central inner subunit cable (Simplex) using single optical Fiber with buffer presented 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, ANSI/ICEA S-87-640, Telcordia GR-20, ITU-T, RoHS, REACH, EIA/TIA-598C.

Printing Details

Printing: STERLITE SM FIBER TYPE FIBER COUNT 1F SIMPLEX OFC LASER SYMBOL TELEPHONE SYMBOL YEAR OF MANUFACTURE LENGTH CODE "FEET OR METER" 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.

Specifications

| Physical Characteristics | |
|------------------------------------|-----------------------------|
| Fibre Count | 1 |
| Fibre Type | STL (ITU-T G.657 A2) |
| Maximum Cabled Attenuation (dB/km) | 1310nm: 0.4 & 1550nm: 0.3 |
| Fibre Color | Natural |
| Number of Semi Tight Buffer | 1 |
| Buffer Size Nominal (mm) | 0.9 |
| Buffer Sheath Material | PVC |
| Buffer Color | White |
| No. of Subunit | 1 |
| Subunit Sheath Material | PVC |
| Subunit Color | White |
| Outer Sheath Material | UV Proof Black Polyethylene |
| Cable Diameter mm ($\pm 5\%$) | 4.2 x 8.2 |
| Cable Weight Kg/Km ($\pm 10\%$) | 39 |

Specifications

| Mechanical & Environmental Characteristics | | |
|--|---|------------------|
| Cable Characteristics | Cable Performance | Testing Standard |
| Tensile Strength (N) | 1350 | ICEA 640 FOTP-33 |
| Crush Resistance (N/m) | 1000 | ICEA 640 FOTP-41 |
| Impact Strength (Nm) | 2.9 | ICEA 640 FOTP-25 |
| Torsion | ±180° | ICEA 640 FOTP-85 |
| Min. Bend Radius (During Installation) | 24 D | ICEA 640 FOTP-88 |
| Min. Bend Radius (After Installation) | 12 D | ICEA 640 FOTP-88 |
| Water Penetration Test | 1m waterhead, 3m samples, 24 h | ICEA 640 FOTP-82 |
| Temperature Performance | Max. change in attenuation shall be ≤ 0.15 dB/km | ICEA 640 FOTP-3 |
| Installation | -30°C to +70°C | |
| Operation | -40°C to +70°C | |
| Storage | -40°C to +70°C | |

Note: All tests shall be carried out as per ICEA standards.

Packing and Lengths

| Drum Type | Length Multiple (km) | Order Tolerance | Short Lengths |
|--------------|----------------------|-----------------|---------------------------|
| Wooden Drums | 2 ± 5% | ± 5% | Max 5%, Customer Approval |

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For additional information please contact your sales representative.

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

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