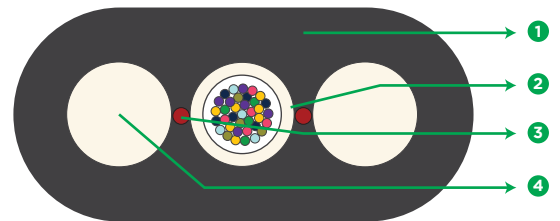


# Drop-Lite

Flat Single Sheath OFC

2F - 24F | Nova - G.657.A1 Single Mode Fiber

- 1 OUTER JACKET
- 2 LOOSE TUBE WITH FIBERS AND GEL
- 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, ANSI/ICEA S-87-640, Telcordia GR-20, ITU-T, RoHS, REACH, EIA/TIA-598C

## Printing Details

Printing : STL SM NOVA "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.

## Specifications

Physical Characteristics	
Fiber Count	2-24
Fiber Type	STL NOVA ( ITU-T G.657A1)
Maximum Cabled Attenuation (dB/km)	1310nm : 0.35 & 1550nm : 0.23
PMD LDV (ps/sqrt.km)	</= 0.1
Fibers per Tube	1-24
Tube Size (mm)	2.4
No. of Tubes	1
Tube Color Sequence	White
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 Characteristics			
Product Code	Fiber Count	Cable Diameter mm (inch) (± 5%)	Cable Weight Kg/Km (lbs./ft.) (± 10%)
FD0002FSN01TGP1US	2	4.4 x 8.4 (0.173 x 0.33)	38 (0.025)
FD0004FSN01TGP1US	4	4.4 x 8.4 (0.173 x 0.33)	38 (0.025)
FD0006FSN01TGP1US	6	4.4 x 8.4 (0.173 x 0.33)	38 (0.025)
FD0008FSN01TGP1US	8	4.4 x 8.4 (0.173 x 0.33)	39 (0.026)
FD0012FSN01TGP1US	12	4.4 x 8.4 (0.173 x 0.33)	39 (0.026)
FD0024FSN01TGP1US	24	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)	ICEA 640 FOTP-33
Crush Resistance (N/cm) (lbf/in)	100 (57.101)	ICEA 640 FOTP-41
Impact Strength (Nm)(lbf.in)	5 (44.2)	ICEA 640 FOTP-25
Torsion	±180°	ICEA 640 FOTP-85
Min. Bend Radius (During Installation)	20 D	ICEA 640 FOTP-88
Min. Bend Radius (After Installation)	15 D	ICEA 640 FOTP-88
Water Penetration Test	1m waterhead, 3m samples, 24 h	ICEA 640 FOTP-82
Drip Test	30 cm, 70°C, 24 h	ICEA 640 FOTP-81
Temperature Performance	Max. change in attenuation shall be <math>\leq 0.15\text{ dB/km}</math>	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 IEC standards.

## Packing and Lengths

Drum Type	Length Multiple (in feet)	Order Tolerance	Short Lengths
Wooden Drums	13,123 , 20,000 ± 5% (For all fiber counts)	-0%, +5%	Max 5%, Customer Approval

**For additional information please contact your sales representative.**

You can also visit our website at [www.stl.tech](http://www.stl.tech)