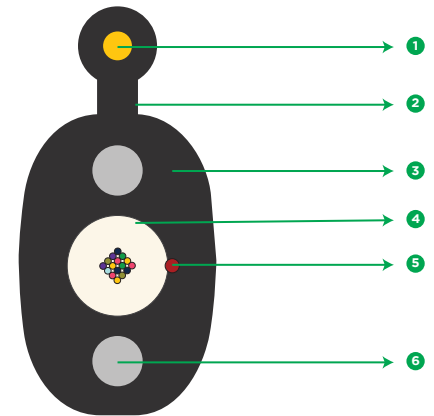


Drop-Lite

Tonable Flat Single Sheath OFC

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

- | | |
|---------------------------|--------------------------------------|
| 1 24 AWG Cu TONING WIRE | 2 NECK |
| 3 BLACK MDPE OUTER SHEATH | 4 LOOSE TUBE WITH FIBERS AND GEL |
| 5 RIPCORD | 6 EMBEDDED STRENGTH MEMBER IN SHEATH |



* 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
- Available with steel wire as embedded strength member for higher tensile strengths
- Toning wire enables underground location
- Easy access to Fiber due to its Unitube construction
- Tensile and crush resistant
- UV protected

Product Details

STL DROP-LITE Flat Drop Dielectric/Toneable Fiber Optic Cable offers the ease of installation in an easy access, single-tube design. This is a central Tube Cable using 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. Toneable version adds a 24 AWG conductor that provides underground location tracing, attached by a web for easy tear-away separation from the cable – the most popular option for underground and multipurpose installation.

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 TONABLE 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
Copper wire Diameter (mm)	0.5 (24 AWG Cu TONING WIRE)

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%)
F70002SN01GAP10000	2	4.2 x 10 (0.165 x 0.393)	48 (0.032)
F70004SN01GAP10000	4	4.2 x 10 (0.165 x 0.393)	48 (0.032)
F70006SN01GAP10000	6	4.2 x 10 (0.165 x 0.393)	48 (0.032)
F70008SN01GAP10000	8	4.2 x 10 (0.165 x 0.393)	49 (0.032)
F70012SN01GAP10000	12	4.2 x 10 (0.165 x 0.393)	49 (0.032)
F70024SN01GAP10000	24	5 x 10.8 (0.196 x 0.425)	58 (0.038)

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 $\leq 0.15\text{ dB/km}$	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 IEC standards.

Packing and Lengths

Drum Type	Length Multiple (in feet)	Order Tolerance	Short Lengths
Wooden Drums	10000; 13,123; 20000 ± 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