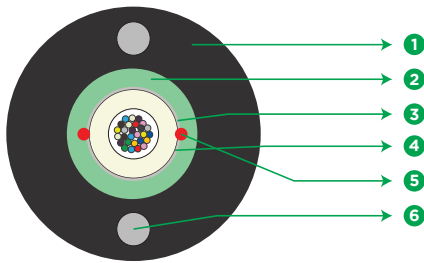


Drop-Lite

Unitube Gel Free Single Jacket Armored OFC
4F - 24F | Nova - G.657.A1 Single Mode Fiber



1 OUTER JACKET

2 CORRUGATED STEEL TAPE

3 GEL FREE LOOSE TUBE

4 WATER BLOCKING TAPE

5 RIPCORD(S)

6 STRENGTH MEMBERS

* Typical Construction Diagram - Not to Scale

Features & Benefits

- Steel tape adds to crush resistance as well as can be used as a cable locator after installation
- Cables are rodent protected
- Easy access to Fiber due to its Unitube construction
- Tensile and crush resistant
- UV protected

Product Details

STL Drop-Lite Gel Free Unitube Single Jacket Steel Tape Armored Cables are suitable for direct burial as well as for duct applications. ARMOR-LITE comes with gel free technology; the buffer tube contains water swellable yarns and is surrounded with water-swellable tape to prevent water ingress in the cable. A Corrugated Steel Tape armor surrounds the cable core with thermoplastic jacket placed over the armor layer making the cable robust and installation friendly.

Cable Performance Standards

Cable complies with the following standards IEC 60793, IEC 60794, ANSI/ICEA S-87-640, Telcordia GR-20, ITU-T, RoHS, REACH, and EIA/TIA-598C.

Printing Details

Printing: STL SM NOVA "FIBER COUNT" ARMORED 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 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
No of Tubes	1
Tube Color	White
Tube Material	Polypropylene (PP)
Metallic Armoring	Corrugated Steel Tape (Un-bonded with Sheath)
Outer Sheath Material	UV Proof Black Polyethylene
No of Ripcords Below Sheath	2

Fiber Color Sequence (AS per EIA/TIA 598C)t											
Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua
Blue*	Orange*	Green*	Brown*	Slate*	White*	Red*	Natural*	Yellow*	Violet*	Rose*	Aqua*

Note: * - denotes single black ring marking on Fibers

Cable Designs			
Product Code	Fiber Count	Cable Diameter mm (+ 5%)	Cable Weight Kg/Km (lbs./ft.) (± 10%)
G10004SN01GABU0000	4	8.3 (0.32)	86 (0.057)
G10006SN01GABU0000	6	8.3 (0.32)	86 (0.057)
G10008SN01GABU0000	8	8.3 (0.32)	88 (0.059)
G10012SN01GABU0000	12	8.8 (0.34)	96 (0.063)
G10024SN01GABU0000	24	9.3 (0.36)	102 (0.068)

Specifications

Mechanical & Environmental Characteristics		
Cable Characteristics	Cable Performance	Testing Standard
Tensile Strength (N) (lbf)	2000 (449.6)	ICEA 640 FOTP-33
Crush Resistance (N/cm) (lbf/in)	200 (114.2)	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
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 IEC standards.

Packing and Lengths

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