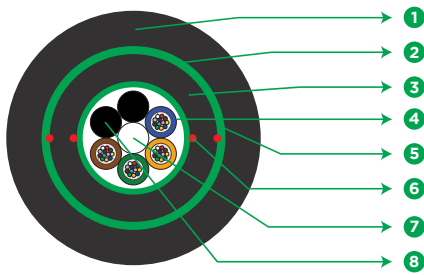
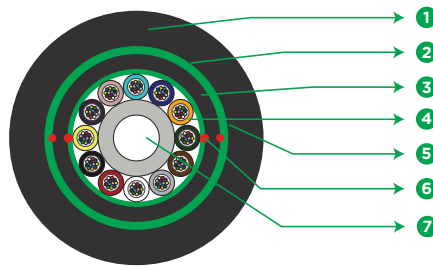


Armor-Lite

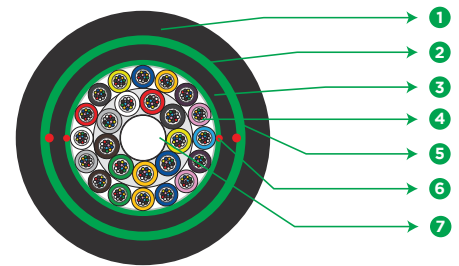
Multitube Gel Free Double Jacket Double Tape Armored OFC
6F - 288F | Nova - G.657.A1 Single Mode Fiber



Cross Section 48f



Cross Section 144f



Cross Section 288f

- | | | | |
|------------------------------|--------------------------------|---------------------------|------------------------------|
| 1 OUTER JACKET | 2 CORRUGATED STEEL TAPE | 3 INNER JACKET | 4 GEL FREE LOOSE TUBE |
| 5 WATER BLOCKING TAPE | 6 RIPCORD(S) | 7 STRENGTH MEMBERS | 8 FILLER |

* Typical Construction Diagram - Not to Scale

Features & Benefits

- PE outer jacket & Steel tape armor provide rodent protection along with improved crush and impact protection
- The Steel tape enables post installation cable locating
- Double armor allows direct buried of the cable
- Dry water-blocking technology for gel free core helps in quicker end preparation
- Easily removable rugged thermoplastic jacket
- Tensile and crush resistant

Product Details

STL ARMOR-LITE Gel Free Multitube Double Jacket Double Steel Tape Armored Cables are suitable for direct burial as well as for duct applications. ARMOR-LITE comes with gel free technology, the buffer tubes contain water swellable yarns and the cable core is surrounded with water-swellable tape to prevent water ingress in the cable. The buffer tubes are stranded around the central strength member using reverse oscillation stranding method forming the cable core. A Corrugated Steel Tape armor surrounds the cable core with thermoplastic jacket placed over the armor layer twice making this double armored double sheathed cable robust and installation friendly.

Cable Performance Standards

Cable complies to the following standards IEC 60793, ANSI/ICEA S-87-640, Telcordia GR-20, ITU-T, RoHS, REACH.

Printing Details

Printing: STL SM FIBER TYPE FIBER COUNT F DOUBLE ARMORED 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	
Fiber Type	STL NOVA (ITU-T G.657A1)
Maximum Cabled Attenuation (dB/km)	1310nm : 0.35 & 1550nm : 0.25
PMD LDV (ps/sqrt.km)	</= 0.1
Fiber per Tube	12
Tube Material	Polypropylene (PP)
Loose tube Size	2.4 mm (Typical)
Central Strength Member	FRP (Fiber Reinforced Plastic)
Filler	Thermoplastic material
Core Wrapping	Binder and water swellable tape
No of Ripcords Below Tape	2
Inner Metallic Armoring	Corrugated Steel Tape
Inner Sheath Material	Black Polyethylene
Outer Metallic Armoring	Corrugated Steel Tape
No of Ripcords Below Tape	2
Outer Sheath Material	UV Proof Black Polyethylene

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

Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua
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Cable Characteristics

Product Code	Fiber Count	No. of Tubes	Tube Color Sequence	No. of Fillers	Cable Diameter mm (± 5%)	Cable Weight Kg/km(lbs./ft.) ± 10%
B10006SN01FAB30000	6	1	Blue, Filler, Filler, Filler, Filler, Filler	5	17.8 (0.700)	278 (0.186)
B10012SN01FAB30000	12	1	Blue, Filler, Filler, Filler, Filler, Filler	5	17.8 (0.700)	284 (0.190)
B10024SN02FAB30000	24	2	Blue, Orange, Filler, Filler, Filler, Filler	4	17.8 (0.700)	284 (0.190)
B10036SN03FAB30000	36	3	Blue, Orange, Green, Filler, Filler, Filler	3	17.8 (0.700)	284 (0.190)
B10048SN04FAB30000	48	4	Blue, Orange, Green, Brown, Filler, Filler	2	17.8 (0.700)	286 (0.192)
B10072SN06FAB30000	72	6	Blue, Orange, Green, Brown, Slate, White	0	17.8 (0.700)	286 (0.192)
B10096SN08FAB30000	96	8	Blue, Orange, Green, Brown, Slate, White	0	19.2 (0.755)	318 (0.213)

Specifications

Cable Characteristics						
Product Code	Fiber Count	No. of Tubes	Tube Color Sequence	No. of Fillers	Cable Diameter mm (± 5%)	Cable Weight Kg/km(lbs./ft.) ± 10%
B10144SN12FAB30000	144	12	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua	0	22.8 (0.897)	428 (0.287)
B10288SN24FAB30000	288	24	1st Layer- Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow 2nd Layer- Violet, Rose, Aqua, Blue#, Orange#, Green#, Brown#, Slate#, White#, Red#, Black#, Yellow#, Violet#, Rose#, Aqua#.	0	25.4 (1.00)	484 (0.325)

Mechanical & Environmental Characteristics		
Cable Characteristics	Cable Performance	Testing Standard
Tensile Strength (N) (lbf)	Short Term - 2700 (606.9) Long Term - 900 (202.3)	ICEA 640 FOTP-33
Crush Resistance (N/cm) (lbf/in)	400 (228.4)	ICEA 640 FOTP-41
Impact Strength (Nm)(lbf.in)	As per GR-20 compliance	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 $\leq 0.15\text{ dB/km}$	ICEA 640 FOTP-3
Installation	-30° C to +70° C	
Operation	-40° C to +70° C	
Operation	-40° C to +70° C	

Note: All tests shall be carried out as per ICEA standards. Change in attenuation after and before testing shall be $\leq 0.05\text{ dB/km}$ for Single Mode Fiber

Packing and Lengths

Drum Type	Fiber Count	Length Multiple (in feet)	Order Tolerance	Short Lengths
Wooden Drums	Upto 144F 288F	13,123; 20000 ± 5% 13123 ± 5%	-0%, ±5%	Max 5%, Customer Approval

For additional information please contact your sales representative.

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