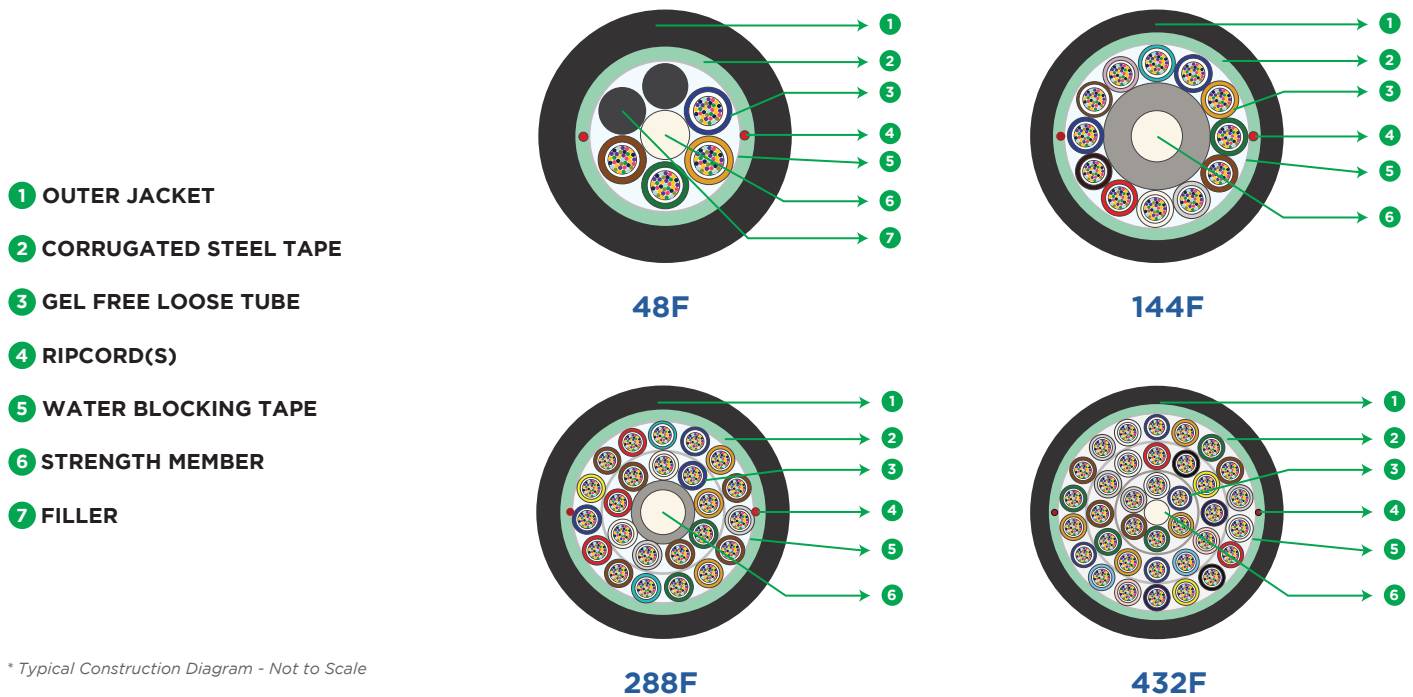


Armor-Lite

Multitube Gel Free Single Sheath Armored OFC
 4F - 432F | Nova - G.657.A1 Single Mode Fiber



* 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
- Dry water-blocking technology for gel free core helps in quicker end preparation
- Easily removable rugged thermoplastic jacket un-bonded with steel tape
- Flexible, light weight, easy to handle & install

Product Details

STL ARMOR-LITE Gel Free Multitube 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 tubes contain water swellable yarns and the cable core is surrounded with water-swallowable 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 making the 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 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 Count	4-432
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
Fibers per Tube	4 6 8 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
Metallic Armoring	Corrugated Steel Tape (Un-bonded with Sheath)
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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Specifications

Cable Characteristics							
Product Code	Fiber Count	No. of Tubes	Tube Color Sequence	No. of Fillers	Cable Diameter mm (inch) (±5%)	Cable Weight Kg/Km (lbs./ft.) (±10%)	
B10004SN01FABU0000	4	1	Blue, Filler, Filler, Filler, Filler, Filler	5	12.6 (0.496)	145 (0.095)	
B10006SN01FABU0000	6	1	Blue, Filler, Filler, Filler, Filler, Filler	5	12.6 (0.496)	145 (0.095)	
B10008SN01FABU0000	8	1	Blue, Filler, Filler, Filler, Filler, Filler	5	12.6 (0.496)	148 (0.097)	
B10012SN01FABU0000	12	1	Blue, Filler, Filler, Filler, Filler, Filler	5	12.6 (0.496)	148 (0.099)	
B10024SN02FABU0000	24	2	Blue, Orange, Filler, Filler, Filler, Filler	4	12.6 (0.496)	146 (0.045)	
B10036SN03FABU0000	36	3	Blue, Orange, Green, Filler, Filler, Filler	3	12.6 (0.496)	146 (0.045)	
B10048SN04FABU0000	48	4	Blue, Orange, Green, Brown, Filler, Filler	2	12.6 (0.496)	140 (0.094)	
B10060SN05FABU0000	60	5	Blue, Orange, Green, Brown, Slate, Filler	1	12.6 (0.496)	140 (0.094)	
B10072SN06FABU0000	72	6	Blue, Orange, Green, Brown, Slate, White	0	12.6 (0.496)	136 (0.092)	
B10084SN07FABU0000	84	7	Blue, Orange, Green, Brown, Slate, White, Red, Filler	1	14.3 (0.562)	160 (0.107)	
B10096SN08FABU0000	96	8	Blue, Orange, Green, Brown, Slate, White, Red, Black	0	14.3 (0.562)	160 (0.107)	
B10144SN12FABU0000	144	12	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua	0	17.8 (0.700)	265 (0.178)	
B10192SN16FABU0000	192	16	1st Layer - Blue, Orange, Green, Brown, Slate, White 2nd Layer - Red, Black, Yellow, Violet, Rose, Aqua, Blue#, Orange#, Green#, Brown#, Filler, Filler	2	17.8 (0.700)	234 (0.157)	
B10216SN18FABU0000	216	18	1st Layer - Blue, Orange, Green, Brown, Slate, White 2nd Layer - Red, Black, Yellow, Violet, Rose, Aqua, Blue#, Orange#, Green#, Brown#, Slate#, White#	0	17.8 (0.700)	221 (0.148)	
B10288SN24FABU0000	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	20.2 (0.795)	275 (0.184)	
B10432SN36FABU0000	432	36	1st Layer - Blue, Orange, Green, Brown, Slate, White 2nd Layer - Red, Black, Yellow, Violet, Rose, Aqua, Blue#, Orange#, Green#, Brown#, Slate#, White# 3rd Layer - Red#, Black#, Yellow#, Violet#, Rose #, Aqua#, Blue##, Orange##, Green##, Brown##, Slate##, White##, Red##, Black##, Yellow##, Violet##, Rose##, Aqua##	0	23.4 (0.921)	350 (0.228)	

Note : # - denotes single black stripe marking via inkjet or co-extrusion, white stripe marking for black loose tube.
- denotes double stripe marking.

Specifications

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)	300 (171)	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 head, 3m samples, 24 hrs	ICEA 640 FOTP-82
Temperature Performance	Max. change in attenuation shall be \leq 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. Change in attenuation after and before testing shall be \leq 0.05 dB/km for Single Mode Fiber.

Packing and Lengths

Drum Type	Length Multiple (in feet)	Tolerance	Short Lengths
Wooden Drums	10000; 13,123; 20,000 \pm 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