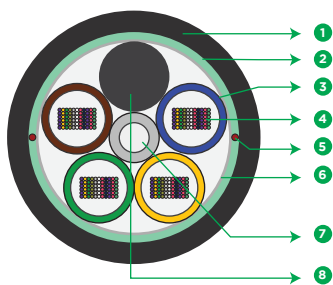


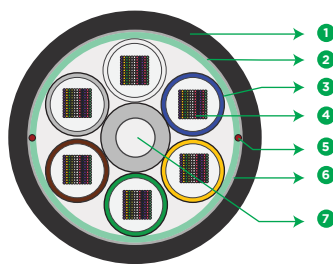


Ribbon-Lite

Multitube Gel Free Single Sheath Armored OFC
 192F - 864F | Nova - G.657.A1 Single Mode Fiber



288F



864F

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

* Typical Construction Diagram - Not to Scale

Features & Benefits

- Multitube design with ripcords for easy and quick mid span access
- Precise fiber and ribbon geometries result in excellent mass fusion splicing yields
- Dry water-blocking technology for gel free core helps in quicker end preparation
- Steel tape armor provides rodent protection along with improved crush and impact protection
- Easily removable rugged thermoplastic jacket

Product Details

STL RIBBON-LITE Multitube Steel Tape Armored Cable combines robust performance for duct installations with the productivity of high-count mass fusion splicing. Twelve optical fibers are arranged into ribbon units by placing the fibers in a flat array of color coded fibers bonded together by a UV-curable acrylate matrix. RIBBON-LITE comes with gel free technology, the buffer tubes contain water swellable yarns and 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. 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, 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” RIBBON 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 : 0.4 & 1550nm : 0.3
PMD LDV (ps/sqrt.km)	</= 0.1
Fibers per Ribbon	12
Ribbon Printing per Tube (4 Ribbon/Tube)	BLUE SAFETY RIBBON, 1 RIBBON 1, 2 RIBBON 2, 3 RIBBON 3, 4 RIBBON 4, BLUE SAFETY RIBBON
Ribbon Printing per Tube (6 Ribbon/Tube)	BLUE SAFETY RIBBON, 1 RIBBON 1, 2 RIBBON 2, 3 RIBBON 3, 4 RIBBON 4, 5 RIBBON 5, 6 RIBBON 6, BLUE SAFETY RIBBON
Ribbon Printing per Tube (12 Ribbon/Tube)	BLUE SAFETY RIBBON, 1 RIBBON 1, 2 RIBBON 2, 3 RIBBON 3, 4 RIBBON 4, 5 RIBBON 5, 6 RIBBON 6, 7 RIBBON 7, 8 RIBBON 8, 9 RIBBON 9, 10 RIBBON 10, 11 RIBBON 11, 12 RIBBON 12, BLUE SAFETY RIBBON
Tube Material	Polypropylene (PP)
Central Strength Member	FRP (Fiber Reinforced Plastic)
Water Blocking	Yarns and water swellable tape
Metallic Armoring	Corrugated Steel Tape (Un-bonded with Sheath)
No. of Ripcords Below Outer Sheath	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
------	--------	-------	-------	-------	-------	-----	-------	--------	--------	------	------

Cable Characteristics					
Product Code	Fiber Count	Tube Color Sequence	No. of Fillers	Cable Diameter mm (inch) (± 1.0 mm)	Cable Weight Kg/Km (lbs./ft.) (± 10%)
O10192SN04FABU0000	192	Blue, Orange, Green, Brown, Filler	1	23.8 (0.937)	352 (0.236)
O10216SN03FABU0000	216	Blue, Orange, Green, Filler, Filler	2	23.8 (0.937)	365 (0.245)
O10288SN04FABU0000	288	Blue, Orange, Green, Brown, Filler	1	23.8 (0.937)	375 (0.251)
O10360SN05FABU0000	360	Blue, Orange, Green, Brown, Slate	0	23.8 (0.937)	380 (0.256)
O10432SN06FABU0000	432	Blue, Orange, Green, Brown, Slate, White	0	26.2 (1.030)	440 (0.295)
O10576SN04FABU0000	576	Blue, Orange, Green, Brown, Filler	1	26.6 (1.040)	420 (0.282)
O10720SN05FABU0000	720	Blue, Orange, Green, Brown, Slate, Filler	1	29 (1.140)	530 (0.356)
O10864SN06FABU0000	864	Blue, Orange, Green, Brown, Slate, White	0	29 (1.140)	530 (0.356)

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)	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 \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.
- The edge fibers (Blue, Orange, Rose & Aqua) in top & bottom ribbons shall be Stellar.

Packing and Lengths

Drum Type	Fiber count	Length Multiple (in feet)	Order Tolerance	Short Lengths
Wooden Drums	Upto 360F	10000; 13,123; 20000 ± 5%	-0%, +5%	Max 5%, Customer Approval
	432F	10,000; 13123 ± 5%		
	576F - 864F	10000 ± 5%		

For additional information please contact your sales representative.

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