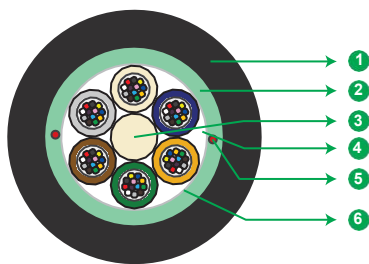
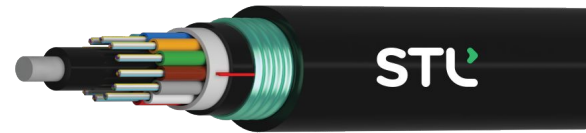
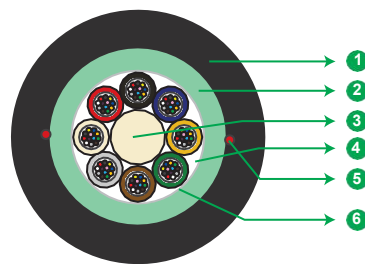


Armor-Lite

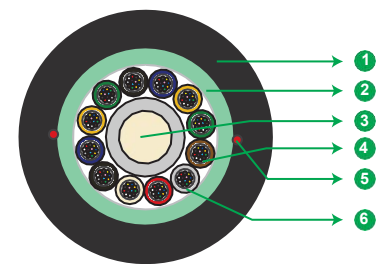
Multitube Single Sheath Armored OFC
12F-288F



Fibre Count 12F to 72F



Fibre Count 96F



Fibre Count 144F

1 OUTER JACKET

2 CORRUGATED STEEL TAPE

3 STRENGTH MEMBER

4 GEL FILLED TUBE

5 RIPCORD(S)

6 WATER BLOCKING TAPE

* Typical Construction Diagram - Not to Scale

Features & Benefits

- Steel tape armour and PE jacket provide rodent protection along with improved crush and impact protection
- The Steel tape enables post installation cable locating
- Easily removable rugged thermoplastic jacket
- Flexible, light weight, easy to handle & install
- Tensile and crush resistant

Product Details

STL Armor-Lite Multi Tube Single Jacket Steel Tape Armored Cables are suitable for direct burial as well as for duct applications. In addition to optical fibres, the buffer tubes contain water blocking gel, and the cable core is surrounded with water-swellaable tape to prevent water ingress in the interstices of cable core. Corrugated steel tape armor surrounds the cable core with thermoplastic jacket bonded over the armor layer making the cable robust and installation friendly.

Cable Performance Standards

Cable complies to the following standards IEC 60793, IEC 60794, Telcordia GR-20, ITU-T, RoHS, REACH.

Printing Details ^{1,2}

STERLITE FIBRE TYPE FIBRE COUNT ARMORED LITE OFC LASER SYMBOL TELEPHONE SYMBOL YEAR OF MANUFACTURE
LENGTH CODE METER MARKING

Note:

1. The accuracy of marking shall be + 0.5%. Occasional loss of printing & remarking shall be as per Bellcore GR 20 and this supersedes the earlier markings.
2. Custom printing as per customer requirement available

Specifications

Physical Characteristics					
Fibre Count	12/24/36/48/60/72/96/144/288				
Fibre Type	SM - G.657.A1, MM - OM3/OM4				
Maximum Cabled Attenuation (dB/ km)	Fibre type	Maximum Cabled Fibre Attenuation dB/km			
		850nm	1300nm	1310nm	1550nm
	G657A1	-	-	≤ 0.35	≤ 0.23
	OM3	≤ 3.0	≤ 1.0	-	-
	OM4	≤ 3.0	≤ 1.0	-	-
Fibres per Tube	12				
Fibre Colour Sequence	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua				
Tube Material & Colour	Thermoplastic				
Metallic Armouring	Corrugated ECCS Steel Tape				
Central Strength Member	FRP (Fibre Reinforced Plastic)				
No of Ripcords	2				
Outer Sheath Material & Colour	UV Proof Black Polyethylene				

Cable Characteristics				
Fibre Count	Tubes	Fillers	Cable Diameter (mm ± 5%)	Cable Weight (kg/km ± 10%)
12	1	5	11.2	120
24	2	4	11.2	120
36	3	3	11.2	120
48	4	2	11.2	120
60	5	1	11.2	120
72	6	NIL	11.2	120
96	8	NIL	12.2	150
144	12	NIL	15.0	205
288	24	NIL	17.5	275

Specifications

Mechanical & Environmental Characteristics ³		
Cable Characteristics	Cable Performance	Testing Standard
Tensile Strength (N)	2000	IEC-60794-1-21-E1
Crush Resistance (N/100 mm)	2000	IEC-60794-1-21-E3
Impact Strength (Nm)	5	IEC-60794-1-21-E4
Torsion	±180°	IEC-60794-1-21-E7
Min. Bend Radius (During Installation)	20 D	IEC-60794-1-21-E11
Min. Bend Radius (After Installation)	15 D	IEC-60794-1-21-E11
Water Penetration Test	1m waterhead, 3m samples, 24 h	IEC-60794-1-22-F5
Drip Test	30 cm, 70°C, 24 h	IEC-60794-1-21-E14
Temperature Performance		IEC-60794-1-22-F1
Installation	-5°C to +50°C	
Operation	-30°C to +70°C	
Storage	-40°C to +70°C	

Note 3 : All tests shall be carried out as per IEC standards. Change in attenuation after and before testing shall be ≤ 0.1 dB/ km for Single mode fibre & ≤ 0.3 dB/ km for Multi-Mode Fibre.

Packing and Lengths

Drum Type	Length Multiple (kms)	Order Tolerance	Short Lengths
Wooden Drums	2/4 ± 5%	±5%	Max 5%, Customer Approval

Ordering Information ⁴

Product Type		Fibre Count	Fibre Type	Tube/Bundle Count	Cable Core Type	Tube Colour Sequence	Jacket Type		Running Number		Special Requirement	
B	1	Refer #1	Refer #2	Refer #3	G	A	P	1	0	0	0	0

Other Fibres counts and types may be available, please create product code from the table below.

#1 Fibre count by indicating the corresponding number from 0012 to 0288.

#2 Fibre code corresponding to requested fibre type among following options:

Fibre Code		Fibre Type
S	1	G.657.A1
S	N	STL Nova – G.657.A1/A2
M	3	OM3
M	4	OM4

#3 Number of active tubes: 01 to 24

Note 4: Fibre and tube colour sequence available in multiple options as per EIA/TIA 598C, DIN/VDE 0888 or per customer request

02/012025

For additional information please contact your sales representative.

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

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