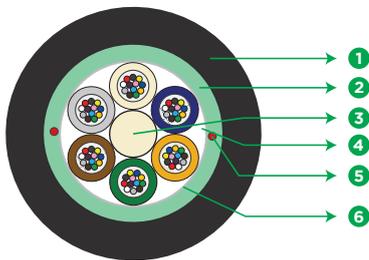
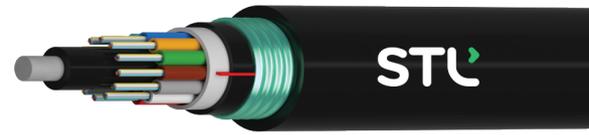
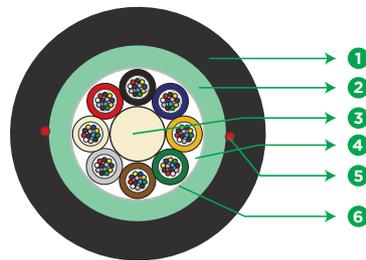


Armor-Lite

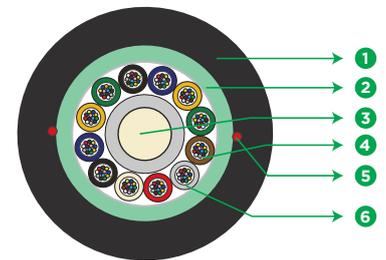
Multitube Single Sheath Armored OFC
12F-144F



Fiber Count 12F to 72F



Fiber Count 96F



Fiber 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® Multitube 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, Telecordia GR-20, ITU-T, RoHS, REACH.

Printing Details

Printing: As per approval

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	
Fibre Count	12/24/36/48/60/72/96/144
Fibre Type	SM - G.657.A1, MM - OM3/OM4
Maximum Cabled Attenuation (dB/km) SM G.657A1	1550nm: 0.23 1310nm: 0.35
Individual PMD (ps/sqrt.km)	</= 0.2
Maximum Cabled Attenuation (dB/km) MM OM3/OM4	850nm : 3.0 & 1300nm : 1.5
Fibres per Tube	12
Fibre Color Sequence	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua.
Tube Material	PBT & Filling Gel
Filler material & Colour	PE & black
Central Strength Member	FRP (Fibre Reinforced Plastic)
Metallic Armoring	Corrugated ECCS Steel Tape
Number of Ripcords Below Steel Tape	2
Outer Sheath Material	UV Proof Black HDPE

Cable Characteristics							
Fiber Count	Fibre Per Tube	Tubes	Fillers	Tube Color Sequence	Cable Diameter (mm +/- 5%)	Cable Weight (kg/km +/- 10%)	Max. Tensile Strength (N)
12	12	1	5	Blue, Filler, Filler, Filler, Filler, Filler	10.7	110	2000
24	12	2	4	Blue, Orange, Filler, Filler, Filler, Filler	10.7	110	2000
36	12	3	3	Blue, Orange, Green, Filler, Filler, Filler	10.7	110	2000
48	12	4	2	Blue, Orange, Green, Brown, Filler, Filler	10.7	110	2000
60	12	5	1	Blue, Orange, Green, Brown, Slate, Filler	10.7	110	2000
72	12	6	NIL	Blue, Orange, Green, Brown, Slate, White	10.7	110	2000
96	12	8	NIL	Blue, Orange, Green, Brown, Slate, White, Red, Black	12.2	150	3500
144	12	12	NIL	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua	14.7	205	4000

Specifications

Mechanical & Environmental Characteristics		
Cable Characteristics	Cable Performance	Testing Standard
Crush Resistance (N/100 mm)	2000	IEC-60794-1-21-E3
Impact Strength(Nm)	10N, Height 0.5Mtr	IEC-60794-1-21-E4
Torsion	±180°	IEC-60794-1-21-E7
Min. Bend Radius	20 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	Max. change in attenuation shall be $\leq 0.15\text{ dB/km}$	IEC-60794-1-22-F1
Installation	-20°C to +70°C	
Operation	-20°C to +70°C	
Storage	-20°C to +70°C	

Note : All tests shall be carried out as per IEC standards. Change in attenuation after and before testing shall be $\leq 0.05\text{ dB/km}$ for Single Mode fibre and $\leq 0.3\text{ dB/km}$ for Multimode 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

Product type	Fibre count	Fibre type	Tube/Bundle Count	Cable Core type	Tube Color Sequence	Jacket type	Running number	Special requirement			
B	1	Refer #1	Refer #2	Refer #3	G	A	P	1	Refer #4	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 0144.

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

Fibre Code	Fiber Type	
S	1	G.657.A1
M	3	OM3
M	4	OM4

#3 Number of active tubes: 01 to 12.

Running Number	Fibre Count	
0	2	12
0	3	96
0	1	24, 36, 48, 60, 72, 144

01/042023

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