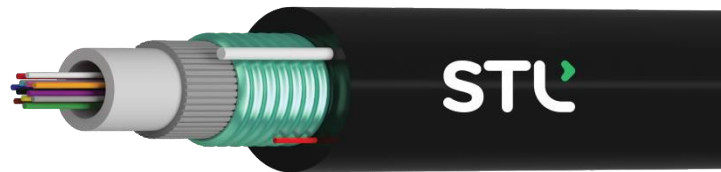
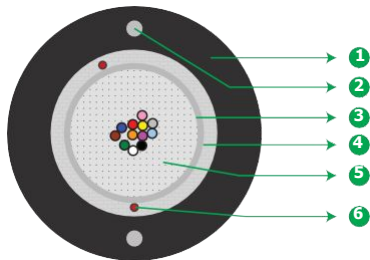


Armor-Lite

Unitube Single Jacket Armored OFC

2F-24F



1 BLACK OUTER SHEATH

2 EMBEDDED STRENGTH MEMBER

3 WATER BLOCKING TAPES BETWEEN TUBE & ARMOR

4 CORRUGATED STEEL TAPE

5 LOOSE TUBE WITH FIBRES & GEL

6 RIPCORD

** Typical Construction Diagram - Not to Scale*

Features & Benefits

- Steel tape adds to crush resistance as well as can be used as a cable locator after installation
- Cables are rodent protected
- Easily removable rugged jacket
- Flexible, light weight, easy to handle & install
- Tensile and crush resistant
- UV protected
- Tightly controlled physical parameters

Product Details

STL Armor-Lite Unitube Single Jacket Steel Tape Armoured Cables is a central tube cable using optical fibres presented in loose tube and surrounded by Steel Tape Armor. To protect the optical fibres from water ingress, the tube is filled with a thixotropic gel, and is enclosed in a thermoplastic sheath. These cables can be used for outdoor applications in ducts or aerial drop for access and distribution for campus/ between and within buildings.

Cable Performance Standards

Cable complies to the following standards IEC 60793, IEC 60794, 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	2~24				
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	-	-
Fibre Colour Sequence	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua				
Tube Material & Colour	Thermoplastic, White				
Moisture Barrier	Water Blocking Tape below the steel tape				
Metallic Armouring	Corrugated ECCS Steel Tape				
Embedded Strength Member	Steel Wire to provide tensile strength and anti-buckling properties.				
No of Ripcords	2				
Outer Sheath Material & Colour	UV Proof Black Polyethylene				

Cable Characteristics				
Fibre Count	Fibre Per Tube	No. of Tubes	Cable Diameter (mm)	Weight of Cable (kg/km)
2~12	2~12	1	9.2 ± 0.5	93 ± 10%
24	24	1	9.2 ± 0.5	93 ± 10%

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	
Service & 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 \leq 0.1 dB/km for Single mode fibre & \leq 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

Product Type		Fibre Count	Fibre Type	Tube/Bundle Count		Tube Colour Sequence	Jacket Type		Running Number		Special Requirement	
G	1	Refer #1	Refer #2	0	1	U	B	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 0002 to 0024.

#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

03/012025

For additional information please contact your sales representative.

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

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