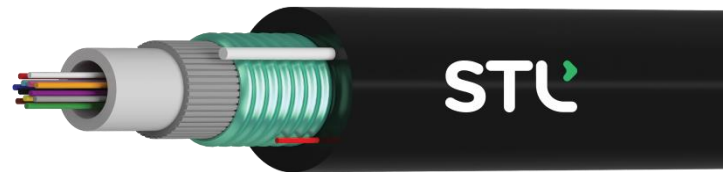
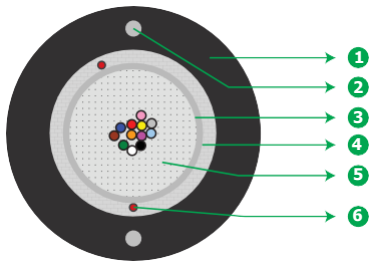


Armor-Lite

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

Printing: As per Customer Request

Note : 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.

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	-	-	
Tube Material	Thermoplastic Material				
Moisture Barrier	Water Blocking Tape below the steel tape				
Metallic Armouring	Corrugated Steel Tape				
Embedded Strength Member	Steel Wire to provide tensile strength and anti-buckling properties.				
No of Ripcords	2				
Outer Sheath Material	UV protected PE(Polyethylene)				

Cable Characteristics								
Fibre Count	Fibre Per Tube	No. of Tubes	Tube Colour	Sheath Colour	Fibre Colour	Cable Diameter (mm)	Weight of Cable (kg/km)	Cable Length in one Reel (Km)
2~12	2~12	1	White	Black	BL, OR, GR, BR, SL, WH, RD, BK, YL, VI, PK, AQ.	9.2 ± 0.5	93 ± 10%	2/4 ± 5%
24	24	1	White	Black	BL, OR, GR, BR, SL, WH, RD, BK, YL, VI, PK, AQ, BL*, OR*, GR*, BR*, SL*, WH*, RD*, NT*, YL*, VI*, PK*, AQ*.	9.2 ± 0.5	93 ± 10%	2/4 ± 5%

Note : Where BL=Blue, OR=Orange, GR=Green, BR=Brown, SL=Slate, WH=White, RD=Red, BK=Black, YL=Yellow, VI=Yellow,PK=Pink, AQ=Aqua,NT= Natural & *=Ring Marking over the Fibre

Specifications

Mechanical & Environmental Characteristics		
Cable Characteristics	Cable Performance	Testing Standard
Tensile Strength (N)	Installation - 2700N & Operational - 900N	IEC-60794-1-21-E1
Crush Resistance (N/100 mm)	2200	IEC-60794-1-21-E3
Impact Strength (Nm)	25	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)	10 D	IEC-60794-1-21-E11
Water Penetration Test	1m waterhead, 3m samples, 24 h (Over the Loose Tube)	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 ≤ 0.15 dB/km for SM & ≤ 0.5 dB/km for MM Fibre type	IEC-60794-1-22-F1
Installation	-20°C to +60°C	
Service & 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 ≤ 0.05 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

Product type	Fibre count	Fibre type	Tube/Bundle Count	Cable Core type	Tube Color Sequence	Jacket type	Running number	Special requirement					
G	1	Refer #1	Refer #2	0	1	G	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
M	3	OM3
M	4	OM4

02/122024

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