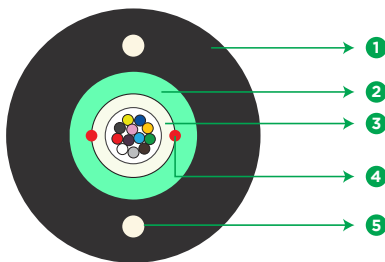


# Armor lite

Unitube Single Jacket Armored OFC

2F - 12F | OH-Lite - G.652.D Single Mode Fiber



1 OUTER JACKET

2 CORRUGATED STEEL TAPE

3 GEL FILLED TUBE

4 RIPCORDS

5 STRENGTH MEMBER

\* 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 Armour-LITE® Unitube Single Jacket Armour Fiber Optic Cable is used for outdoor applications in cable trays or ducts for access inside campus and within buildings. This cable consists of color coded optical fibers placed in a central tube along with gel to protect from water ingress and Thermoplastic sheath placed over the tube with Embedded FRP in outer sheath layer makes the cable user friendly.

## Cable Performance Standards

Cable complies to the following standards IEC 60793, IEC 60794, ITU-T

## Printing Details

Printing : STL XXF SM G652D UT ARMOR LASER SYMBOL TELEPHONE SYMBOL BATCH ID XXXX M  
XX Means Number of Fiber

**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 Count	2F ~ 12F
Fibre Type	STL Fibre ITU-T G.652D
Maximum Cabled Attenuation (dB/km)	1310nm : 0.36 & 1550nm : 0.23
Fibres per Tube	2-12
Fibre Color Sequence	Blue,Orange,Green,Brown,Slate,White,Red,Black,Yellow,Violet,Pink,Aqua
Metallic Armoring	Corrugated Steel Tape
No of Ripcords Below Tape	2
Outer Sheath Material	UV Stabilised Black Polyethylene
Nominal Sheath Thickness (mm)	2
Ripcords Below Steel Tape Armor (Nos)	2
Embedded Strength Member	FRP (Fibre Reinforced Plastic) (2 Nos - Diagonally opposite)
Nominal Cable Dimensions (mm)	7.5±0.5
Nominal Cable Weight (kg/km)	60±10%

Mechanical & Environmental Characteristics		
Cable Characteristics	Cable Performance	Testing Standard
Tensile Strength (N)	800	IEC-60794-1-21-E1
Crush Resistance (N/100 mm)	1000	IEC-60794-1-21-E3
Impact Strength(N, 0.5m, 1 Impact at 3 points)	5	IEC-60794-1-21-E4
Torsion	±180°	IEC-60794-1-21-E7
Min. Bend Radius	20 D	IEC-60794-1-21-E11
Drip Test	30 cm, 70°C, 24 h	IEC-60794-1-22-F5
Temperature Performance	Max. change in attenuation shall be <math>\leq 0.15 \text{ dB/km}</math>	IEC-60794-1-21-E14
Installation	-10°C to +60°C	IEC-60794-1-22-F1
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 <math>\leq 0.1 \text{ dB/km}</math>

## Packing and Lengths

Drum Type	Length Multiple (in km)	Tolerance	Short Lengths
Wooden Drums	2 ; 4 ± 10%	±5%	Max 5%, Customer Approval

## Installation Guidelines

1. Pre-installation testing will be valid only as per test reports submitted along with cable delivery.
2. Warranty\* 6 Months from invoice date. (\*as per STL warranty clause shared with OA).
3. After 6 months from date of delivery no customer feedback will be accepted.