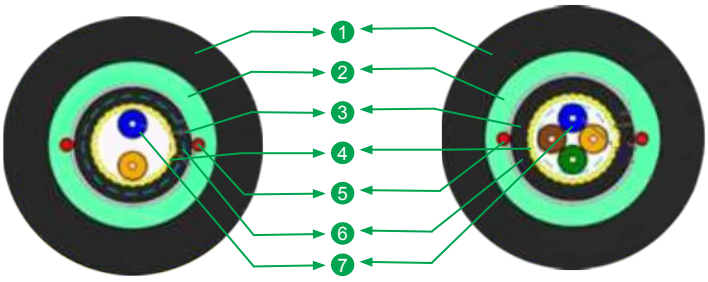
Product Specification

Armor Lite

2F & 4F G657A2 Tight Buffered Double Jacket Single Armor Lite Optical Fiber Cable



1 OUTER JACKET 2 CORRUGATED STEEL TAPE 3 INNER JACKET 4 ARAMID YARNS

5 WATER BLOCKING TAPE 6 RIPCORD(S) 7 TIGHT BUFFERED FIBRE

** Typical Construction Diagram - Not to Scale*

Features & Benefits

- Dry core technology easy for faster end preparation during termination
- 900µm (nom) Tight buffered fibres supports fast field installations, reduces installation time and costs
- Small cable diameter & lightweight
- Requires grounding or bonding due to metallic armor
- LSZH inner sheath makes cable suitable for Indoor application & outer polyethylene sheath suitable for Outdoor application
- Easy jacket removal using standard tools. Available in Single Mode and Multimode Optical Fibres.

Product Details

These cables are single sheath single steel armored cables in construction which are suitable for direct burial as well as for duct applications. These cables can be used for short drop in last mile connectivity. Also these cables can be installed by renching techniques.

Cable Performance Standards

Cable complies to the following standards IEC 60793, IEC 60794-1-2, ITU-T G.657A2.

Printing Details

Printing : STERLITE 2F / 4F G657A2 ARMOUR LASER SYMBOL TELEPHONE SYMBOL YEAR OF MANUFACTURE LENGTH CODE METER MARKING

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	2F & 4F
Fibre Type	ITU-T G.657A2 Sterlite Fiber
Maximum Cabled Attenuation (dB/km)	1310nm : 0.4 & 1550nm : 0.3
Fiber Color & Tight Buffer Color Sequence	Natural & Blue, Orange, Green, Brown.
Peripheral Strength Members	High Strength Aramid Yarns with water swellable yarns
Inner Sheath	Black FR LSZH (3.4+0.3mm for 2F & 3.8+0.2mm for 4F)
Moisture barrier	Water blocking tape over inner sheath
Metallic Armoring	Corrugated Steel Tape
Number of Ripcords Below steel tape	1 No. (if required)
Outer Sheath Material	UV Stabilized Black HDPE
Nominal Cable Dimensions (mm)	8.2+0.1/-0.3 for 2F ; 8.5±0.5 for 4F
Nominal Cable Weight (kg/km)	70±10% for 2F & 75±10% for 4F

Mechanical & Environmental Characteristics		
Cable Characteristics	**Cable Performance**	**Testing Standard**
Tensile Strength (N)	450/300 (Short/Long Term)	IEC-60794-1-21-E1
Crush Resistance (N/100 mm)	1000N/100mm	IEC-60794-1-21-E3
Min. Bend Radius (During Installation)	160 mm Dynamic	IEC-60794-1-21-E11
Min. Bend Radius (After Installation)	80 mm Static	IEC-60794-1-21-E11
Repeated Bend	20 x D , 30 Cycles	IEC 60794-1-2-E6
Torsion Resistance	± 180°	IEC 60794-1-2-E7
Temperature Performance	Max. change in attenuation shall be </= 0.15 dB/km	IEC-60794-1-22-F1
Installation	-20°C to +60°C	
Operation	-40°C to +70°C	
Storage	-40°C to +70°C	

Note: All tests shall be carried out as per IEC 60794 standards. Change in attenuation after and before testing shall be </= 0.1 dB/km

Packing and Lengths

Drum Type	Length Multiple (Km)	Order Tolerance	Short Lengths
Wooden Drums	2KM +/- 5% or as per customer requirement.	+/-5%	Max 5%, Customer Approval

For additional information please contact your sales representative.

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