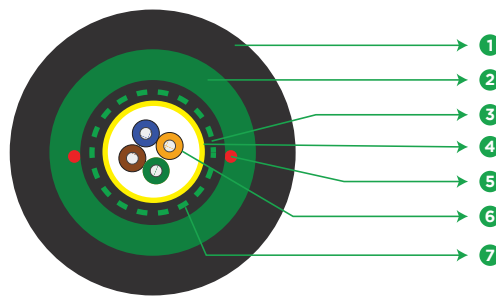
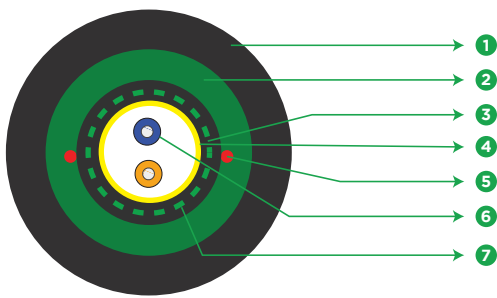


ARMOR-LITE

Tight Buffered Double Jacket Single Optical Fibre Cable 2F & 4F G657A2



Cross Section 2f

Cross Section 4f

- 1 OUTER JACKET**
- 2 CORRUGATED STEEL TAPE**
- 3 INNER JACKET**
- 4 ARAMID YARNS**
- 5 WATER BLOCKING TAPE**
- 6 STRENGTH MEMBERS**
- 7 TIGHT BUFFERED FIBRE**

** Typical Construction Diagram - Not to Scale*

Features & Benefits

- Dry core technology easy for faster end preparation during termination
- 900Qm (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 trenching 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 Fibre
Maximum Cabled Attenuation (dB/km)	1310nm : 0.4 & 1550nm : 0.3
Fibre 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	2 km ± 5% or as per customer requirement	±5%	Max 5%, Customer Approval

01/102023

For additional information please contact your sales representative.

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

The information given herein, including drawings, illustrations and schematics are intended for illustration purposes only and is believed to be reliable. However, STL makes no warranties to its accuracy or completeness and disclaims any liability in connection with its use. STL obligations shall be only set forth in STL standard terms and conditions of the sale and in no case, STL be liable for any incidental, indirect or consequential damages arising out of sale, resale, use or misuse of the product. Users of STL products should make their own evaluation to determine the suitability of such each product for the specific application.