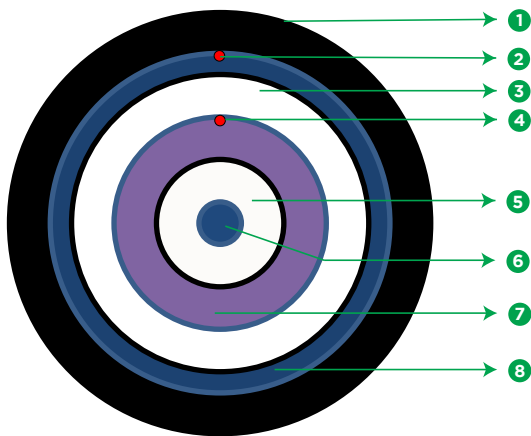




1F G657A1 Tight Buffer Double Jacket Ripcord Optical Fibre Cable



- 1 UV PROTECTED HDPE/LSZH**
- 2 OUTER RIPCORD**
- 3 UV PROTECTED LSZH**
- 4 INNER RIPCORD**
- 5 LSZH TIGHT BUFFER**
- 6 G657B3, 250 MICRON, TIGHT**
- 7 ARAMID**
- 8 WATER BLOCKING TAPE**

** Typical Construction Diagram - Not to Scale*

Features & Benefits

- Easily strippable tight buffer
- Flexible, light weight, easy to handle & install
- Easily removable Indoor and Outdoor jacket
- UV stabilised indoor and outdoor sheath
- SC Connector terminated
- Fire Resistant CPR CCA rated Indoor component

Product Details

Sterlite Tech™ 1F Tight Buffer Ripcord Optical Fibre Cables are multipurpose cables designed for diverse needs Indoor/Outdoor applications. The cable section is terminated at one end with an SC connector. This is a UV protected LSZH Indoor and PE outdoor double jacket cable having optical fibre housed in easily strippable tight buffer component. The cables have water blocking aramid yarn inside the Indoor component and water blocking tape inside the outdoor component.

Cable Performance Standards

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

Installation Guidelines

- Cable shall be loop-coiled with minimum 12-meter length at every 3rd/4th pole as well as a splice point both sides.
- Pre-installation testing will be valid only as per test reports submitted along with cable delivery.

Printing Details

Printing: The outer sheath shall be marked in accordance with BT Specification CW 1402, this shall include the Optical Cable Identification marking requirements and the additional legend: COF100 FTTP INSIDE OUTSIDE CABLE # PROPERTY OF BT
Key: # Denotes the fibre specification issue (e.g. 23), thus indicating which issue of CW 1505 the fibre in the cable was given Product Approval.

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	1F
Fibre Type	Sterlite Fibre ITU-T G657B3, 250 Micron, Tight Clad - 124.7+/- 0.3 microns
Average Cabled Attenuation (dB/km)	1310nm : 0.35; 1550nm : 0.25; 1550nm : 0.26
Tight Buffer	White Low Smoke Zero Halogen
Fibre Colour	White
Inner Sheath Material	UV Stabilized Low Smoke Zero Halogen, CPR CCA Rated
Outer Sheath Material	UV Stabilized Low Smoke Zero Halogen
Nominal Tight Buffer Diameter (mm)	0.9 ± 0.1
Nominal Inner Jacket Diameter (mm)	3.0 ± 0.1
Nominal Outer Jacket Diameter (mm)	5.0 ± 0.1
Strength Member	Water Blocking Aramid yarn
Nominal Cable Weight (kg/km)	20±10%

Mechanical & Environmental Characteristics		
Cable Characteristics	Cable Performance	Testing Standard
Tensile Strength (N)	150	IEC-60794-1-21-E1
Crush Resistance (N/100mm)	1000	IEC-60794-1-21-E3
Impact Strength (N, 0.5m)	10	IEC-60794-1-21-E4
Torsion	100N, ±180°	IEC-60794-1-21-E7
Min. Bend Radius	12 D	IEC-60794-1-21-E11
Water Penetration Test	1m waterhead, 3m samples, 24 h	IEC-60794-1-22-F5
Tight Buffer Stripping Force	<10N, 20±0.2mm strip length in single shot	IEC-60793-1-1
Temperature Performance	Max. change in attenuation shall be <= 0.10 dB/km	IEC-60794-1-22-F1
Installation	-10°C to +60°C	
Operation	-10°C to +60°C	
Storage	-10°C to +60°C	

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

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For additional information please contact your sales representative.

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

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