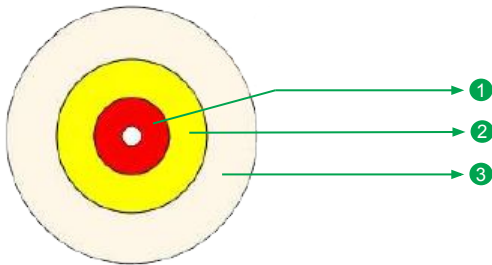


# Tight Buffer

1F G.657A2 Indoor Simplex  
FTTX Tight Buffered TPU OFC



1 TIGHT BUFFERED FIBRE

2 ARAMID YARNS

3 OUTER JACKET

\* Typical Construction Diagram - Not to Scale

## Features & Benefits

- Easily strip and splice, simplify the installation and maintenance
- The construction with FR TPU sheath makes cable suitable for higher fire safety requirement
- Easily removable rugged thermoplastic jacket, with UV protection
- Flexible, light weight, easy to handle and install
- Tight buffered fibres support fast field installations

## Product Details

STL Tight Buffer Simplex Cables are an integral part of the end-to-end fibre optic solution, designed to support enhanced data needs along with future advancing network requirements. These cables are intended for connectorization purpose. Tight buffered fibres are reinforced with water blocking aramid yarns and sheathed with flame retardant thermoplastic Polyurethane (TPU). This cable is suitable for both indoor / outdoor applications.

## Cable Performance Standards

Cable complies to the following standards IEC 60793, IEC 6079 ,ITU-T, RoHS, REACH.

## Printing Details

Printing : STERLITE SM "FIBRE COUNT" "FIBRE TYPE" SIMPLEX INDOOR OFC 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	1
Fibre Type	Sterlite Fibre ITU-T G.657A2
Fibre Color	Blue
Maximum Cabled Attenuation (dB/km)	1310nm : 0.40 & 1550nm : 0.30
Tight Buffer Material	Low Smoke Zero Halogen (LSZH)
Tight Buffer Color	Blue/Natural
Tight Buffer Diameter(mm)	0.9 ± 0.05 mm
Strength Members	Aramid Yarns distributed over & around Tight Buffer
Outer Sheath Material	UV Proof Black TPU
Span length (M)	60
Cable Diameter (mm)	3 ± 0.1
Cable Weight (kg/km)	8 ± 10%

Mechanical & Environmental Characteristics		
Cable Characteristics	Cable Performance	Testing Standard
Tensile Strength (N)	Short term:150 Long term: 500	IEC-60794-1-21-E1
Crush Resistance (N/100 mm)	2000	IEC-60794-1-21-E3
Impact Strength(Nm)	10	IEC-60794-1-21-E4
Torsion	±180°	IEC-60794-1-21-E7
Kink Diameter (mm)	15	IEC-60794-21-E10
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 head, 3m samples, 24 hrs	IEC-60794-1-22 F5B
Temperature Performance		IEC-60794-1-22-F1
Installation	-20°C to +60°C	
Operation	-20°C to +60°C	
Storage	-20°C to +60°C	

**Note:** All tests shall be carried out as per IEC 60794 Standard.

## Packing and Lengths

Packing Type	Length Multiple (km)	Order Tolerance	Short Lengths
Cable reel shall be taken on plywood spool & Packing details shall be attached to spool outer side	0.5 1 2 ± 5%	± 5%	Max 5%, Customer Approval

**For additional information please contact your sales representative.**

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