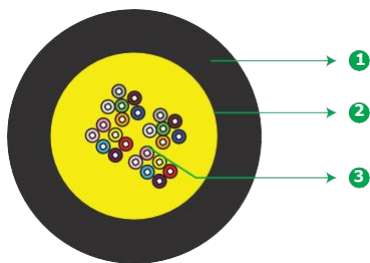


Tight Buffer LSZH Riser OFC

4F-24F



1 LSZH OUTER SHEATH

2 STRENGTH MEMBER (ARAMID YARNS)

3 LSZH TIGHT BUFFER WITH FIBRE

** Typical Construction Diagram - Not to Scale*

Features & Benefits

- Available up to 24 fibre count in either Single Mode or Multimode Optical Fibres
- Tight buffered fibres support fast field installations
- Reduce installation time and costs.
- Easy jacket removal using standard tools.
- Flexible and Fire-retardant outer sheath with aramid yarns as tensile elements helps in easy installation in space constrained areas
- LSZH sheath makes cable suitable for higher fire safety requirement
- Small cable diameter & lightweight
- Requires no grounding or bonding due to all-dielectric construction

Product Details

STL Tight Buffer Riser 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 riser application in multi storey buildings. Tight buffered fibres are reinforced with aramid yarns and sheathed with Low Smoke Zero Halogen (LSZH). This cable is suitable for both indoor / outdoor application with standard commercial type connectors.

Cable Performance Standards

Cable complies to the following standards IEC 60793, IEC 60794, ITU-T, CPR Dca rating, RoHS, REACH.

Printing Details ^{1,2}

STERLITE FIBRE TYPE FIBRE COUNT ARMORED LITE OFC LASER SYMBOL TELEPHONE SYMBOL YEAR OF MANUFACTURE
LENGTH CODE METER MARKING

Note:

1. The accuracy of marking shall be + 0.5%. Occasional loss of printing & remarking shall be as per Bellcore GR 20 and this supersedes the earlier markings.
2. Custom printing as per customer requirement available

Specifications

Physical Characteristics					
Fibre Count	4~24				
Fibre Type	SM - G.657.A1/ G.657.A2 MM - OM3/OM4				
Maximum Cabled Attenuation (dB/ km)	Fibre type	Maximum Cabled Fibre Attenuation dB/km			
		850nm	1300nm	1310nm	1550nm
	G.657.A1/G.657.A2	-	-	≤ 0.40	≤ 0.30
	OM3	≤ 3.0	≤ 1.0	-	-
	OM4	≤ 3.0	≤ 1.0	-	-
Tight Buffer Fibre (μm)	Uncoloured fibre 250 (Nominal)				
Tight Buffer Material	LSZH Tight Buffer				
Tight Buffer Size (mm)	0.9 ± 0.1 mm				
Strength Members	Aramid Yarns distributed over & around Tight Buffer for strength				
Sheathing Material	Low Smoke Zero Halogen				

Cable Characteristics				
Fibre Count	Sheath Colour	Tight Buffer Colour ³	Cable Diameter (mm)	Weight of Cable (kg/km)
4	G.657.A1/ G.657.A2 : Black or Yellow OM3, OM4: Aqua	Blue, Orange, Green, Brown	5.8 ± 0.5	35 ± 10%
6		Blue, Orange, Green, Brown, Slate, White.	6.2 ± 0.5	38 ± 10%
8		Blue, Orange, Green, Brown, Slate, White, Red, Black.	6.5 ± 0.5	40 ± 10%
12		Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua.	7.2 ± 0.5	48 ± 10%
24		Blue, Orange, Green, Brown, Slate, White, Red, Magenta, Yellow, Violet, Pink, Aqua, Blue*, Orange*, Green*, Brown*, Slate*, White*, Red*, Magenta*, Yellow*, Violet*, Pink*, Aqua*.	8.8 ± 0.5	70 ± 10%

Note 3: “*” represents Black colour intermediate ring marking over Tight Buffer.

Specifications

Mechanical & Environmental Characteristics ⁴		
Cable Characteristics	Cable Performance	Testing Standard
Tensile Strength (N)	1000	IEC-60794-1-21-E1
Crush Resistance (N/100 mm)	500	IEC-60794-1-21-E3
Impact Strength (Nm)	1	IEC-60794-1-21-E4
Torsion	±180°	IEC-60794-1-21-E7
Min. Bend Radius (Static)	15 D	IEC-60794-1-21-E11
Kink Radius	10 D	IEC-60794-1-21-E10
Temperature Performance		IEC-60794-1-22-F1
Installation	-10°C to +60°C	
Operation	-20°C to +70°C	
Storage	-20°C to +70°C	

Note 4 : 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 & ≤ 0.3 dB/ km for Multi-Mode Fibre.

Packing and Lengths

Drum Type	Length Multiple (kms)	Order Tolerance	Short Lengths
Wooden Drums	2.0 ± 10%	±10%	Max 5%, Customer Approval

Ordering Information

Product type		Fibre count	Fibre type	Tube/Bundle Count	Cable Core type	Tube Colour Sequence	Jacket type		Running number		Special requirement	
M	3	Refer #1	Refer #2	Refer #3	N	T	L	1	0	0	0	0

Other Fibres counts and types may be available, please create product code from the table below.

#1 Fibre count by indicating the corresponding number from 0004 to 0024.

#2 Fibre code corresponding to requested fibre type among following options:

Fibre Code		Fibre Type
S	1	G.657.A1
S	2	G.657.A2
M	3	OM3
M	4	OM4

#3 Number of tight buffers: 04 to 24

For additional information please contact your sales representative.

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

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