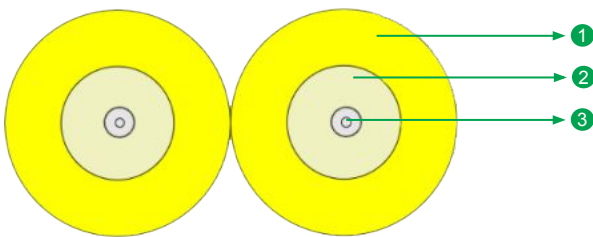


Drop cable

Duplex FO Indoor Drop cable
2FO Indoor Duplex drop cable



1 OUTER JACKET

2 ARAMID YARN

3 TIGHT BUFFER WITH FIBRE

* Typical Construction Diagram - Not to Scale

Features & Benefits

- Novel flute design, easily strip and splice, simplify the installation and maintenance
- The construction with LSZH 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
- $850 \pm 50 \mu\text{m}$ Tight buffered fibres support fast field installations

Product Details

Tight Buffer Duplex 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-story buildings. Tight buffered fibres are reinforced with aramid yarns and sheathed with Low Smoke Zero Halogen (LSZH). This cable is suitable for indoor applications.

Fibres and Cable Performance Standards

Cable complies with the following standards IEC 60793, IEC 60794, ITU-T, RoHS, REACH.

Printing Details

Printing : STERLITE SM "FIBER TYPE" "FIBER COUNT" SIMPLEX INDOOR OFC LASER SYMBOL TELEPHONE SYMBOL MONTH & 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 Bell core GR 20, and this supersedes the earlier markings.
 2. Any other cable printing can be customized based on customer request and agreement.

Specifications

Physical Characteristics	
Maximum Cabled Fibre Attenuation (dB/km)	1310nm: ≤ 0.40 & 1550nm: ≤ 0.30 & 1625nm: ≤ 0.35
Tight Buffer Fibre	Cladding Diameter $125 \pm 7 \mu\text{m}$ Coating Diameter Uncolored fibre $242 \pm 7 \mu\text{m}$
Tight Buffer Material	Low Smoke Zero Halogen (LSZH)
Tight Buffer Diameter(mm)	0.85 +/- 0.05 mm
Strength Members	Aramid Yarns distributed over & around Tight Buffer for strength
Outer Jacket Material	UV Protected Yellow, LSZH

Fibres and Tight Buffer Color Sequence (to be defined)¹

Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Turquoise
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Note: ¹Other fibres colour sequences are available on demand, prior approval.

Cable Designs					
Product Code	Fiber/Tight Buffer Count	Fiber Color	Tight Buffer Color	Cable Diameter	Cable Weight Kg/Km ($\pm 10\%$)
				(Height X Width) +/- 0.2 mm	
M70002S201NTL10000	2	Natural	White	2 x 4	8

Specifications

Mechanical & Environmental Characteristics		
Cable Characteristics	Cable Performance	Testing Standard
Tensile Strength (N)	150N	IEC-60794-1-21-E1
Crush Resistance (N/mm)	500 N/100 mm	IEC-60794-1-21-E3
Impact Strength (Nm)	1Nm @ 1 impact @0.5m	IEC-60794-1-21-E4
Torsion	±180°	IEC-60794-1-21-E7
Min. Bend Radius (During Installation)	20 D (D= 4mm)	IEC-60794-1-21-E11
Min. Bend Radius (After Installation)	10 D (D= 4mm)	IEC-60794-1-21-E11
Temperature Performance	Max. change in attenuation shall be <=/= 0.15 dB/km	IEC-60794-1-22-F1
Installation	-10° C to +50° C	
Operation & Storage	-20° C to +60° C	

Note: All tests shall be carried out as per IEC standards. Change in attenuation after and before testing shall be <=/= 0.05 dB/km for Single mode fibre & <=/= 0.3 dB/km for Multi-Mode Fibre.

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	2 ± 5%	±5%	Max 5%, Customer Approval

Product Ordering Information for Cables

Product type	Fibre count (0004 – 0024)					Fibre type		No. of active tubes/bundles (01-24)		Tube/ Bundle	Tube/Core type	Jacket type		"Running number"		*Special requirement				
	1					2		3								4				
M	7	-	-	-	-	-	-	0	1	N	T	L	1	X	X	X	X	-	-	-

Create the desired Product Code following the instructions below:

- Select fibre count by indicating the corresponding number from 0004 to 0024
- Select fibre code corresponding to requested fibre type among following options.
- Select number of active tubes/bundles by indicating the corresponding number from 01
- Special Requirement

Fibre code		Fibre type (ITU-T)	STL's Fibre Name
S	3	G.652.D	OH-LITE
S	1	G.657.A1	BOW-LITE
S	N	G.657.A1/G.652.D	OH-LITE NOVA
S	2	G.657.A2	BOW-LITE (E)
C	1	G.657.A2/G.652.D	STELLAR

*Click on fiber name to view fiber specs.

Special Requirement code					Special Requirement Description
					Standard Black Sheath
-	-	-	-	-	

*Special code for special requirement shall be defined by STL as per customer requirement

Examples:

2F Duplex Indoor <G657A2> OFC (Standard)

M	2	0	0	0	1		S	2	0	1	N	T	L	1	X	X	X	X			
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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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