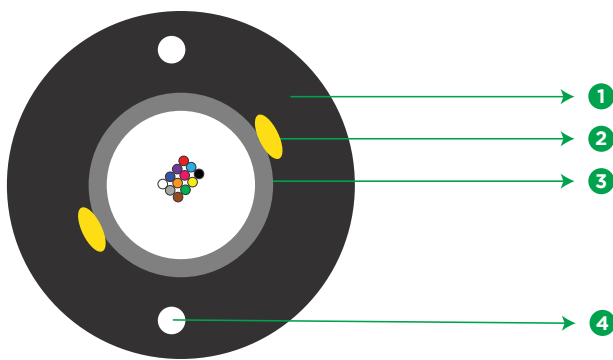


DROP-LITE MINIATURE

Out-Side Plant, Single Jacket, Aramid Yarns, Gel Filled
Microduct Uni-Tube Optical Fibre Cables 2F~12F



- ① OUTER SHEATH
- ② STRENGTH MEMBERS (ARAMID YARNS)
- ③ LOOSE TUBE WITH FIBRE AND JELLY
- ⑤ EMBEDDED STRENGTH MEMBER

* Typical Construction Diagram - Not to Scale

Features & Benefits

- Uni-tube design allows minimized weight and eases cable installation
- Small size, fast cable termination and easy cable management
- Optimum solution for last mile application
- Grade 1 Fibre Protrusion as per IEC 62959-1
- Longitudinal water protection is enabled by water blocking compounds in tube
- UV stabilized, CPR class Fca

Product Details

STL DROP-LITE MINIATURE Out-Side Plant, Single Jacket, Aramid Yarns, Gel Filled, Micro duct Uni-Tube Optical Fibre Cables are generally used in the drop section of FTTx networks based on micro-ducts. They feature light weight and are small diameter and are designed for optimum blowing performance in single or bundled 10/6mm micro-ducts. This is a UV stabilized PE outdoor cable having optical fibre housed in gel filled loose tube.

Fibres and Cable Performance Standards

The cables comply to the following standards IEC 60793-2-50, IEC 60794-5-10, IEC TR 62959, Telcordia GR-20, ITU-T G652 and/or G657, RoHS, REACH

Printing Details

Printing: STERLITE SM "FIBRE TYPE" "FIBRE COUNT" DROP-LITE MINIATURE 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	
fibres Type	Sterlite Fibre ITU-T G657A1
Maximum Cabled Attenuation (dB/km)	1310nm: 0.35 & 1550nm: 0.23 & 1625nm: 0.26
Buffer Tube Color	White
Embedded Strength Elements	2x Aramid Reinforced Plastic (ARP)
Peripheral Strength Elements	High Strength Aramid Yarns
Jacket Thickness (mm)	0.9mm (nominal)
Outer Sheath Material	UV Stabilized Black HDPE

fibres Color Sequence (AS per EIA/TIA 598C)											
Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua

Note: ¹Other jacket colors are available on demand, prior approval.

²Other fibres color sequences are available on demand, prior approval.

Cable Characteristics with Sterlite Fibre ITU-T G657A1					
Product Code	fibres Count	Color Code Sequence	Cable Diameter mm (± 0.2)	Cable Weight Kg/km (± 10%)	Tensile Strength (N)
E10002S101GUP10000	2	Blue, Orange	3.8	10	300
E10004S101GUP10000	4	Blue, Orange, Green, Brown	3.8	10	300
E10006S101GUP10000	6	Blue, Orange, Green, Brown, Slate, White	3.8	10	300
E10008S101GUP10000	8	Blue, Orange, Green, Brown, Slate, White, Red, Black	3.8	10	300
E10012S101GUP10000	12	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua	3.8	10	300

Specifications

Mechanical & Environmental Characteristics		
Cable Characteristics	Cable Performance	Testing Standard
Tensile Strength (N)	As per the above table	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 (During Installation)	20 D	IEC-60794-1-21-E11
Min. Bend Radius (After Installation)	15 D	IEC-60794-1-21-E11
Water Penetration Test	1m waterhead, 3m samples, 24 h	IEC-60794-1-22-F5B
Drip Test	30 cm, 70°C, 24 h	IEC-60794-1-21-E14
Fibre Protrusion	Grade 1	IEC 60794-1-22 F17
Temperature Performance		IEC-60794-1-22-F1
Installation	-5° C to +50° C	
Operation	-20° C to +60° C	
Storage	-30° C to +70° C	

Note: All tests shall be performed according to the relevant methods of the IEC 60794-1 standard series with limit values and acceptance criteria according to the IEC 60794-5-10 standard. Fibre protrusion graded according to the IEC TR 62959: long sample under OP+ conditions.

Packing and Lengths

Drum Type	Length Multiple (km)	Order Tolerance	Short Lengths
Ply Spool	2/4/6 ± 5%	-0% ± 5%	Max 5%, Customer Approval

Ordering Information

Please create the desired Product Code following the instructions below:

Product type		Fibre count (0004 - 0576)		Fibre type		No. of active tubes/bundles (01-24)		Gel Tube	colour code	Jacket type		Running number		** Jacket color	
		1		2		3			4					5	
E	1	-	-	-	-	0	1	G	U	P	1	0	0	0	0

1. Select fibre count by indicating the corresponding number from 0002 to 0012

2. Select fibre code corresponding to the requested fibre type among the following options.

3. Select number of active tubes/bundles by indicating the corresponding number 01

4. Select jacket material code corresponding to requested material type.

Fibre code		Fibre type (ITU-T)	STL's Fibre Name
S	3	G.652D	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
S	8	G.657.A1 200um	MICRO BOW-LITE
S	9	G.657.A2 200um	MICRO BOW-LITE (E)
C	2	G.657.A2/G.657.A1	STELLAR MICROFIBRE

Jacket type code		Jacket material, number, and combinations
P	1	PE Single Jacket

Jacket color code		Jacket color**
0	0	Black (standard)
J	1	Orange
J	3	Green
J	Q	Aqua/Turquoise

*Click on fiber name to view fiber specs.

*Codes may vary as per color code

**Codes may vary as per jacket color

Example: MINI 2F G657A1 2FX1T GD SJ

E	1	0	0	0	2	S	1	0	1	G	U	P	1	0	0	0	0
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For additional information please contact your sales representative.

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