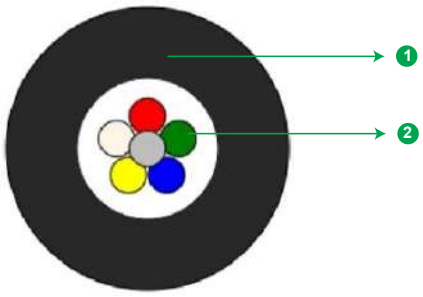
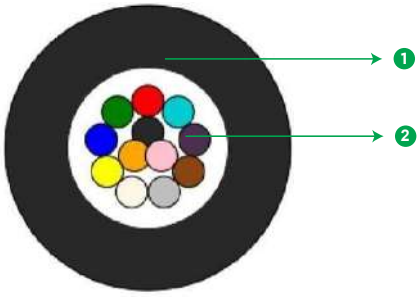
Atlas-Lite

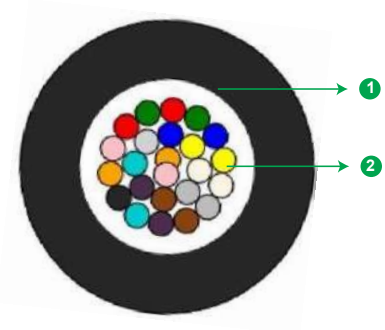
Unitube Gel Filled OFC
2F - 24F



Cross Section 6F



Cross Section 12F



Cross Section 24F

1 OUTER SHEATH

2 FIBRE AND GEL FILLING

** Typical Construction Diagram - Not to Scale*

Features & Benefits

- Optimized for blowing in 7/4 mm and 10/6 mm micro-ducts
- Double layer wall with high modulus material in the inner layer and low friction material in the outer layer, offering high mechanical resistance and optimum blowing performances
- UV Resistant
- Flexible, light weight, easy to handle and install
- Class Fca rated according to CPR

Product Details

STL Atlas Lite Out-Side Plant Fibre Optic Cable is generally used in the drop section of FTTx networks based on micro-ducts. They feature light weight and small diameter and are designed for optimum blowing performances in single or bundled 7/4mm and 10/6mm micro-ducts. The double layer construction of the buffer tube wall provides high mechanical resistance and optimum blowing performances paired with small outer diameter and light weight.

Fibres and Cable Performance Standards

The fibres and cables comply to the following standards IEC 60793-2-50, IEC 60794-5-10, Telcordia GR-20, ITU-T G.652 and/or G.657, RoHS, REACH.

Printing Details

Printing: STERLITE SM FIBRE TYPE FIBRE COUNT F ATLAS-LITE OFC CE MARKING Fca LASER SYMBOL TELEPHONE SYMBOL YEAR OF MANUFACTURE LENGTH CODE METER MARKING.

Printing method: Ink-Jet

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	
Maximum Cabled Fibre Attenuation (dB/km)	1310nm: 0.35; 1550nm: 0.23; 1625nm: 0.26
PMD LDV (ps/√km)	≤ 0.1
Outer Sheath Material	UV Resistant Black[1], double layer: high modulus inner/low friction outer

Fibres Colour Sequence (as per DIN/VDE 0888)[2,3]											
Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Turquoise	Black	Orange	Pink

Note: [1]Other jacket colours are available on demand, prior approval

[2]The fibres 13 to 24, when present, have a black ring marking (the black fibre is replaced by a natural fibre with black ring marking)

[3]Other fibres colour sequences are available on demand, prior approval.

Cable Designs[4]					
Product Code	**Fibre count**	**Fibre Type**	**Cable Diameter (mm) ±0.1**	**Cable Weight (kg/km) ±10%**	**Tensile Strength Short Term (N)**
E30002SN01GACN0000	2	G.657 A1 adv./ G.652 D	2.0	6	70
E30004SN01GACN0000	4	G.657 A1 adv./ G.652 D	2.0	6	70
E30006SN01GACN0000	6	G.657 A1 adv./ G.652 D	2.0	6	70
E30008SN01GACN0000	8	G.657 A1 adv./ G.652 D	2.3	6	70
E30012SN01GACN0000	12	G.657 A1 adv./ G.652 D	2.3	6	70
E30024S801GACN0000	24[5]	G.657 A1 200	2.5	6	80

Note: [4]Selection of available fibres in the respective Product Ordering Information sections, other fibre types are available on demand prior approval.

[5]The 24 fibre design is based on 200µm fibres.

Specifications

Mechanical & Environmental Characteristics		
Cable Characteristics	**Cable Performance**	**Testing Standard Method**
Tensile Strength Short term	As per above table	IEC-60794-1-21-E1
Crush Resistance (N/10cm)	800	IEC-60794-1-21-E3A
Impact Strength (N·m)	1	IEC-60794-1-21-E4
Torsion	±180°	IEC-60794-1-21-E7
Repeated Bending	20 x OD	IEC-60794-1-21-E6
Bend	20 x OD	IEC-60794-1-21-E11A
Min. Bend Radius (During Installation)	15 x OD	
Min. Bend Radius (After Installation)	10 x OD	
Water Penetration Test	1 m waterhead, 3 m samples, 24 h	IEC-60794-1-21-F5B
Drip Test	30 cm, 70°C, 24 h	IEC-60794-1-21-E14
Temperature Performance		IEC-60794-1-22-F1
Installation	-5°C to +50°C	
Operation	-30°C to +70°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.

Packing and Lengths

Drum Type	Length Multiple (in km)	Order Tolerance	Short Lengths
Wooden Drums	4, 6, 8 ± 5%	±5%	Max 5%, upon customer approval

Ordering Information

Other fibre counts, types and tube colours sequences may be available on request, please create product code from the table below.

Product type		Fibre count (0002 – 0024)				Fibre type		No. of active tubes (01)		Cable core type	Fibres colour code	Jacket type		Running number		Special requirements	
		1				2		3			4					5	
E	3	-	-	-	-	-	-	0	1	G	-	C	N	0	0	0	0

1. Fibre count by indicating the corresponding number from 0002 to 0024

2. Fibre code corresponding to requested fibre type among following options

Fibre code		Fibre type (ITU-T)	STL's Fibre Name
S	1	G.657.A1	A1 HD 250 Fiber
S	N	G.657 A1 adv./G.652 D	Nova 250 Fiber
S	2	G657.A2	A2 HD 250 Fiber
C	1	G.657 A2/G.652 D	Stellar 250 Fiber
S	8	G.657 A1 200µm	A1 HD 200 Fiber
S	9	G.657 A2 200µm	A2 HD 200 Fiber
C	2	G.657 A1/G.652 D 200µm	Stellar 200 Fiber

3. Number of active tubes : 01

4. Fibres colour sequence available options[6]

Code	Fibres and Tubes Colour Codes
A	EIA/TIA 598 C
D	DIN/VDE 0888
F	France
H	Switzerland
I	Italy
L	Hungary
M	Poland
Note: [6]other colour codes are available on demand prior approval	

5. Special requirement:

Code	Special requirements
00	Black Colour Jacket
J1	Orange Colour Jacket

For additional information please contact your sales representative.
You can also visit our website at www.stl.tech or www.stl.tech/germany