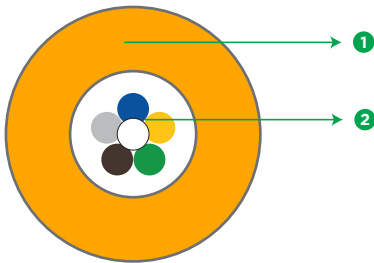
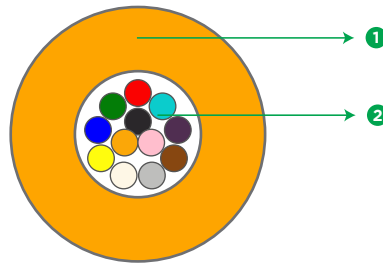


# Atlas-Lite

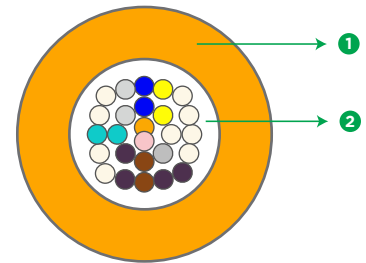
Unitube Gel Filled OFC  
2F - 24F | G.652.A1 Single Mode Fibre



**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 for high mechanical resistance and optimum blowing performances
- UV Resistant
- Flexible, light weight, easy to handle and install

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

## Printing Details

Printing: STERLITE SM FIBRE TYPE FIBRE COUNT ATLAS-LITE OFC 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/sqrt.km)	≤ 0.1
Outer Sheath Material	UV Resistant Orange <sup>1</sup> , double layer: high modulus inner/low friction outer

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

**Note:** <sup>1</sup>Other jacket colours are available on demand, prior approval

<sup>2</sup>The fibres 13 to 24, when present, have a black ring marking (the back fibre is replaced by a natural fibre with black ring marking)

<sup>3</sup>Other fibres colour sequences are available on demand, prior approval.

Cable Designs <sup>4</sup>					
Product Code	Fibre count	Fibre Type	Cable Diameter (mm) ±0.1	Cable Weight (kg/km) ±10%	Tensile Strength Short Term (N)
E30002S101GACN00J1	2	G.657 A1	2.0	6	70
E30004S101GACN00J1	4	G.657 A1	2.0	6	70
E30006S101GACN00J1	6	G.657 A1	2.0	6	70
E30008S101GACN00J1	8	G.657 A1	2.3	6	70
E30012S101GACN00J1	12	G.657 A1	2.3	6	70
E30024S801GACN00J1	24 <sup>5</sup>	G.657 A1	2.5	6	80

**Note:** <sup>4</sup>Selection of available fibres in the respective Product Ordering Information sections, other fibre type are also available on demand prior approval.

<sup>5</sup>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/cm)	800	IEC-60794-1-21-E3A
Impact Strength(Nm)	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	1m waterhead, 3m samples, 24 h	IEC-60794-1-21-F5B
Drip Test	30 cm, 70°C, 24 hr	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)
Wooden Drums	4 ± 5% (For all Fibre Counts)

## Ordering Information

Other Fibres 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 requirement	
		1				2		3			4						5	
E	3	-	-	-	-	-	-	0	1	G	-	C	N	0	0	J	1	

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	G657.A1	BOW-LITE
S	8	G.657 A1 200um	MICRO BOW-LITE
S	2	G657.A2	BOW-LITE (E)
S	9	G.657 A2 200um	MICRO BOW-LITE(E)
S	N	G657A1 adv /G652D	OH-LITE NOVA

3. Number of active tubes : 01

4. Fibres colour sequence available options<sup>6</sup>

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
<b>Note:</b> <sup>6</sup> other colour codes are available on demand prior STL approval	

5. Special requirement:

Code	Special requirement
J1	Orange Colour Jacket
00	Black Colour Jacket

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

You can also visit our website at [www.stl.tech](http://www.stl.tech)

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