

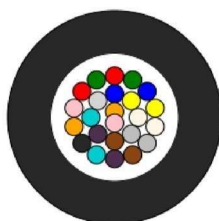
<b>Product Name</b>	: 24F G.657.A1 200 $\mu$ m Atlas Lite™ Air Blown Optical Fiber Cable A-D4Y 1x24 E9/125/200 G657.A1
<b>Product Code</b>	: AB0024FS801TGCN29
<b>Revision</b>	: 2.0

**Date** : 28-Sep-2021

### Product Details

Sterlite Tech Atlas Lite™ Airblown Fiber Optic Cable is generally used in FTTx applications. It features light weight and small diameter specifically designed for metro feeder or access networking, especially suitable for air-blowing installation into single or bundled micro ducts.

### Construction Diagram



\* Typical Construction Diagram - Not to Scale

### Features & Benefits

- Small size, fast cable termination and easy cable management.
- Optimum solution for last mile application.
- Provides comparable better crush and impact resistance.

### Specifications

Physical Characteristics	
Fiber Count	24
Fiber Type	Sterlite Fiber ITU-T G.657.A1 200 $\mu$ m MICRO BOW-LITE
Maximum Cabled Attenuation (dB/km)	1310 nm: 0.35 and 1550 nm: 0.23
Individual PMD (ps/ $\sqrt{\text{km}}$ )	$\leq 0.2$
Link Design PMD (ps/ $\sqrt{\text{km}}$ )	$\leq 0.1$
Fibers per Tube	24
Fibers' Color Sequence <sup>§</sup>	Red, Green, Blue, Yellow, White, Grey, Brown, Violet, Turquoise, Black, Orange, Pink, Red*, Green*, Blue*, Yellow*, White*, Grey*, Brown*, Violet*, Turquoise*, Natural*, Orange*, Pink*
Tube Size (mm)	2.5
Nominal Cable Dimensions (mm)	$2.5 \pm 0.1$
Nominal Cable Weight (kg/km)	$6.0 \pm 10\%$

**Note:** <sup>§</sup> Other fibers' color sequences can be manufactured on demand, prior approval; \* - denotes single black ring marking on fibers

Mechanical & Environmental Characteristics		
Cable Characteristics	Testing Standard	Cable Performance
Tensile Strength (N)	IEC-60794-1-21-E1	80
Crush Resistance (N/100 mm)	IEC-60794-1-21-E3	800
Impact Strength (N.m)	IEC-60794-1-21-E4	2
Torsion	IEC-60794-1-21-E7	$\pm 180^\circ$
Min. Bend Radius (During Installation)	IEC-60794-1-21-E11	15 x OD
Min. Bend Radius (After Installation)	IEC-60794-1-21-E11	10 x OD
Water Penetration Test	IEC-60794-1-22-F5	1m waterhead, 3m sample, 24 h
Drip Test	IEC-60794-1-21-E14	30 cm, 70 °C, 24 h
*Temperature Performance	IEC-60794-1-22-F1	Max. change in attenuation shall be $\leq 0.15$ dB/km
Installation		-10 °C to +50 °C
Operation		-30 °C to +70 °C
Storage		-30 °C to +70 °C

**Note:** All tests shall be carried out as per IEC standards. Change in attenuation after and before testing shall be  $\leq 0.1$  dB/km

### Cable Performance Standards

Cable complies to the following standards IEC 60793, ANSI/ICEA S-87-640, Telcordia GR-20, ITU-T, RoHS, REACH.

### Packing and Lengths

Drum Type : Non-returnable Plastic Spool  
Custom Length Multiple (km) : 6  
Order Tolerance :  $\pm 5\%$   
Short Lengths : Max 5%, upon Customer approval  
**Note:** Other lengths can be manufactured on demand, prior approval

### Printing Details

Standard STL's Printing : FTTH DEUTSCHE GLASFASER GFK # FIBER TYPE # FIBER COUNT # STL – ALCADON # LENGTH CODE # METER MARKING

**Notes** : 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.  
Customized printing is possible on demand, prior approval