Product Name	**:** 4F G.657.A1 Atlas Lite™ Air Blown Optical Fiber Cable
	A-D4Y 1x4 E9/125 G657.A1
Product Code	: AB0004FS101TGCN37
Revision	: 1.0

Date : 10-Jun-2022

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	4
Fiber Type	Sterlite Fiber ITU-T G.657.A1 BOW-LITE
Maximum Cabled Attenuation (dB/km)	1310 nm: 0.35 and 1550 nm: 0.23
Individual PMD (ps/√km)	≤ 0.2
Link Design PMD (ps/√km)	≤ 0.1
Fibers per Tube	6
Fibers' Color Sequence§	Red, Green, Blue, Yellow
Tube Size (mm)	2.0
Nominal Cable Dimensions (mm)	2.0 ± 0.1
Nominal Cable Weight (kg/km)	5.0 ± 10%

Note: § Other fibers' color sequences can be manufactured on demand, prior approval

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	±180°
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 ≤ 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 ≤ 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 Wooden Drum
Custom Length Multiple (km)   : 6
Order Tolerance   : ± 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