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Revision

: 6F G.657.A1 Atlas Lite[™] Air Blown Optical Fiber Cable A-D4Y 1x6 E9/125 G657.A1 : AB0006FS101TGCN09 : 5.0

Date : 26-May-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	6	
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/vkm)	≤ 0.1	
Fibers per Tube	6	
Fibers' Color Sequence§	Red, Green, Blue, Yellow, White, Grey	
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.



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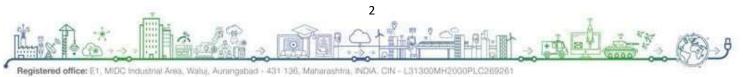
Packing and Lengths		
Drum Type	: Non-returnable Wooden Drum	
Custom Length Multiple (km)	: 6	
Order Tolerance	: ± 5%	
Short Lengths	: Max 5%, upon Customer approval	
Note: Other lengths can be manufactured on demand, prior approval		

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



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