

Product Name : 4F SM (G.657A1) Air Blown OFC :
Product Code AB0004FS101TGCN00
Revision : 1.0

Product Details

Airblown Fibre 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	
Fibre Count	4
Fibre Type	ITU-T G.657 A1
Maximum Cabled Attenuation (dB/km)	1310nm : 0.35 & 1550nm : 0.23
Individual PMD (ps/sqrt.km)	</= 0.2
Link Design PMD (ps/sqrt.km)	</= 0.1
Fibres per Tube	4
Fibre Color Sequence	Red,Green,Blue, Yellow
Tube Size (mm)	2
Nominal Cable Dimensions (mm)	2±0.1
Nominal Cable Weight (kg/km)	5±10%

Mechanical & Environmental Characteristics		
Cable Characteristics	Testing Standard	Cable Performance
Tensile Strength (N)	IEC-60794-1-21-E1	70
Crush Resistance (N/100 mm)	IEC-60794-1-21-E3	800
Impact Strength(Nm)	IEC-60794-1-21-E4	2
Torsion	IEC-60794-1-21-E7	±180°
Min. Bend Radius (During Installation)	IEC-60794-1-21-E11	15 D
Min. Bend Radius (After Installation)	IEC-60794-1-21-E11	10 D
Water Penetration Test	IEC-60794-1-22-F5	1m waterhead, 3m samples, 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		-20°C to +70°C
Storage		-20°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 HS, REA, Ro CH.

Packing and Lengths

Drum Type : Plastic Spools
Length Multiple (km) : $4 \pm 5\%$
Order Tolerance : $\pm 5\%$
Short Lengths : Max 5%, Customer Approval

Printing Details

Printing : SM 4F G657A1 FTTH LASER SYMBOL TELEPHONE SYMBOL YEAR OF
MANUFACTURE LENGTH CODE METER MARKING

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.

Revision History

Revision No.	Date	Description
1.0	11-Mar-2020	Initial Issue

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