



Description

Indoor SingleMode G657A2, Uni tube, Single Sheath, Indoor Optical fiber cable

Features

- * Completely dielectric cable / non metallic cable immune to electro-magnetic interference
- * Suitable for micro duct installation

Application

- * Inside Duct pulled or blown

Mechanical Characteristics

Temperature Range (IEC 60794-1-2-F1)

Laying and Installation	-10° to +70° C
Operation	-10° to +70° C
Transport and Storage	-10° to +70° C

Cable Bending Radius (IEC 60794-1-2-E11A)

During Installation	20 x D, D = Cable Diameter
Installed	10 x D, D = Cable Diameter

Repeated Bending (IEC 60794-1-2-E6)

30 Cycle, r= 20 X D, 5 Kg Load, D = Cable Diameter

Tensile Force (IEC 60794-1-2-E1)

1000 N

Torsion Resistance (IEC 60794-1-2-E7)

10 Cycle (± 180°) 3 Kg Weight, L= 2 Mtr

Crush Resistance (IEC 60794-1-2-E3)

1500 N/ 10cm

Impact Resistance (IEC 60794-1-2-E4)

Height 500 mm, Weight = 4 Kg, 3 Nos

Colour Coding

Colour of Fibers in a Tube :

For 4F	Blue, Orange, Green, Brown
For 6F	Blue, Orange, Green, Brown, Slate, White
For 12F	Blue, Orange, Green, Brown, Slate, White, Red, Black Yellow, Violet, Pink & Aqua
For 24F	Blue, Orange, Green, Brown, Slate, White, Red, Black Yellow, Violet, Pink, Aqua & Natural
Ring Marked Fiber	Blue, Orange, Green, Brown, Slate, White, Red, Yellow, Violet, Pink, Aqua



FIBER OPTIC SYSTEM

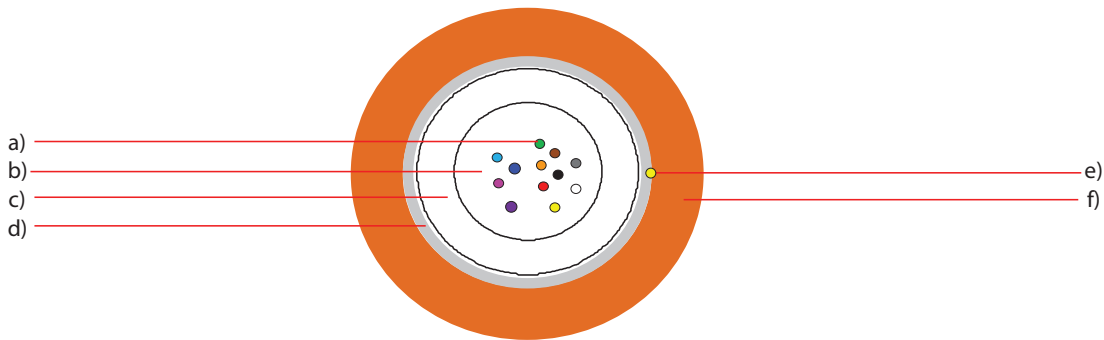
Optical Characteristics

For 9/125 micron	Attenuation	
at 1310 nm		≤ 0.36 dB/Km
at 1550 nm		≤ 0.23 dB/Km

Cable constructions

a) Primary Coated Fiber	G657A2
b) Tube Filling Compound	Thixotropic Jelly
c) Loose Tube	PBTP
d) Peripheral Strength Member	Glass Yarn
e) Rip Cords	One ripcord beneath outer sheath
f) Outer Sheath	HFFR - ORANGE

Typical Cross-section for 12F OFC



DELIVERY INFORMATION:	Upto 12F	24F CABLE
Nominal Cable Weight (Kg/Km)	30 +/- 10	35 +/- 10
Nominal Cable Diameter (mm)	5.0 +/- 0.5	5.3 +/- 0.5
Standard Length per Drum (Mtr)	2000 +/- 10 %	2000 +/- 10 %

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
API-F6572A2	Uni Tube, Single Sheath, G657A2, Indoor 2 Core Optical fiber cable
API-F6574A2	Uni Tube, Single Sheath, G657A2, Indoor 4 Core Optical fiber cable
API-F6576A2	Uni Tube, Single Sheath, G657A2, Indoor 6 Core Optical fiber cable
API-F65712A2	Uni Tube, Single Sheath, G657A2, Indoor 12 Core Optical fiber cable
API-F65724A2	Uni Tube, Single Sheath, G657A2, Indoor 24 Core Optical fiber cable