

**TECHNICAL DETAILS OF 24 FIBRE (G657A2), CENTRAL LOOSE TUBE
MICRO OPTICAL FIBRE CABLE-NYLON**

(1) MECHANICAL CHARACTERISTICS:

Temperature Range (IEC 60794-1-2-F1)	Laying and Installation -20° to +70°C
	Operation -20° to +70°C
	Transport and Storage -20° to +70°C
Cable Bending Radius (IEC 60794-1-2-E11A)	During Installation 20 x D, D = Cable Diameter
	Installed 15 x D, D = Cable Diameter
Repeated Bending (IEC 60794-1-2-E6)	30 Cycle, r= 20 X D, 0.5 Kg Load, D = Cable Diameter
Tensile Force (IEC 60794-1-2-E1)	During Installation 200 N
	Installed 100 N
Torsion Resistance (IEC 60794-1-2-E7)	2 Cycle (± 180°) 1 Kg Weight, L= 2 Mtr
Crush Resistance (IEC 60794-1-2-E3)	50 N (100 X 100 mm) for 60 sec
Kink Resistance (IEC 60794-1-2-E10)	15 x D, D = Cable Diameter

(2) OPTICAL CHARACTERISTICS:

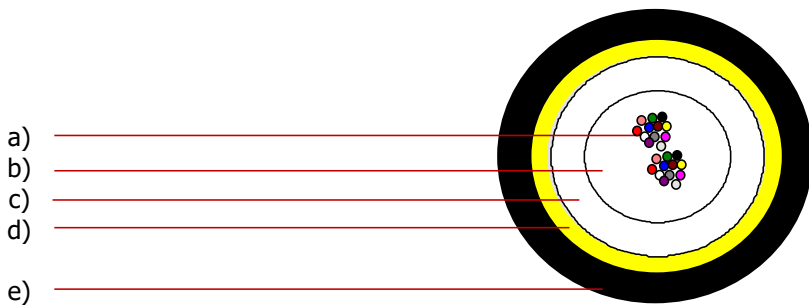
Fibre used in the cable manufacturing fully comply to ITU-T-Rec G657A2	
at 1310 nm	≤ 0.36 dB/Km
at 1550 nm	≤ 0.23 dB/Km

(3) COLOUR CODING:

Colour of Fibres : As per ITUT Standards	Blue, Orange, Green, Brown, Slate, White, Red, Black Yellow, Violet, Pink, Aqua, Blue- Black ring, Orange- Black ring Green- Black ring, Brown- Black ring, Slate- Black ring, White- Black ring, Red- Black ring, Yellow- Black ring, Violet- Black ring, Pink- Black ring, Aqua- Black ring and Natural.
--	---

(4) CABLE CONSTRUCTIONAL DETAILS:

a) Primary Coated Fibre	Single Mode - G657A2
b) Tube Filling Compound	Thixotropic Jelly
c) Loose Tube	PBTP
d) Peripheral Strength Member	Aramid Yrns
e) Outer Sheath	Nylon (PA 12), Black



(5) DELIVERY INFORMATION:

Nominal Cable Weight (Kg/Km)	9.4
Nominal Cable Diameter (mm)	3.3 +/- 0.2
Standard Length per Drum (Mtr)	2000/4000 +/- 5 %

(6) CABLE SHEATH MARKING:

Cable sheath shall be marked with Ink Jet Printing method in contrast colour. **Marking details can be customized.**

Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage, physical damage.

DOCUMENT No	BEPB/TDS/1675 (MICRO-UT-3.3 mm NYLON)
ISSUE NO. & DATE.	01 DTD 01-03-18
REVISION No. & DATE	00