



# 96F(12Fx8T) Multi Loose Tube, Double Sheath Armored OFC Cable

Single Mode, ITU-T G.652D

This UV Stabilized outdoor cable for applications in harsh conditions. It contains a central gel -filled loose tube of a diameter of 2.5 mm for 6 - 24 fibers. The outer sheath is made of 0.150 mm ECCS tape armor plus a 1.8 mm HDPE sheath. ECCS steel tape armor is a combination of strength and flexibility that offers additional crush and rodent protection.

## Application

### LAN & Surveillance

Local Area network & Fiber to the home (FTTH), Fiber to the building (FTTB)

### CATV

For video, voice, and internet connections

### Utilities

Management of power grid

### Security

Closed circuit TV and intrusion sensors

### Military

Everywhere



Suitable for Direct burial & inside duct installation



Improves compressive Strength & Robust construction



Local loop, metro, long-haul and broadband Network



Light Weight and flexible

## Specifications

Cable Construction Details	
Central Strength Member	Fibre Reinforced Plastics (FRP Rod) ,2.0 ± 0.05 mm P.E Coated UP To 3.2 mm
No.of Fibres	96 Fibres
No.of Fibres per Tube	12 F
No. of Loose Tubes	8 Nos,PBTP LT with & Thrixotropic Filling Jelly
Loose Tube Material	PBT
Loose Tube Diameter OD (mm)	1.9 ± 0.1
Moisture Barrier	Flooding Jelly
Core Warpping	Polyester Tape
Peripheral Strength Member	Glass Yarn
Inner Sheath Material	HDPE Sheath Black
Inner Sheath Thickness (mm)	0.9 (Nominal)
Armouring	Corrugated ECCS Tape
Outer Sheath Material	HDPE Sheath Black (UV Stabilized)
Outer Sheath Thickness (mm)	1.5 (Nominal)
Rip Cords	Two Nos. Below Corrugated ECCS Tape & Two Nos. Below Inner Sheath
Cable Overall Diameter (mm)	14.0 ± 0.50
Weight (Kg/KM)	190.0 ± 10%

Cabled Optical Characteristics & Fiber Geometry : G652D Fiber	
Attenuation (dB/km) @ 1310 nm:	≤ 0.36
Attenuation (dB/km) @ 1550 nm:	≤ 0.23
Fiber Mode Field Diameter @1310 (μm)	9.2 ± 0.4
Fiber Cladding Diameter (μm)	125 ± 0.7
Fiber Primary coating Diameter (μm)	245 ± 10.0

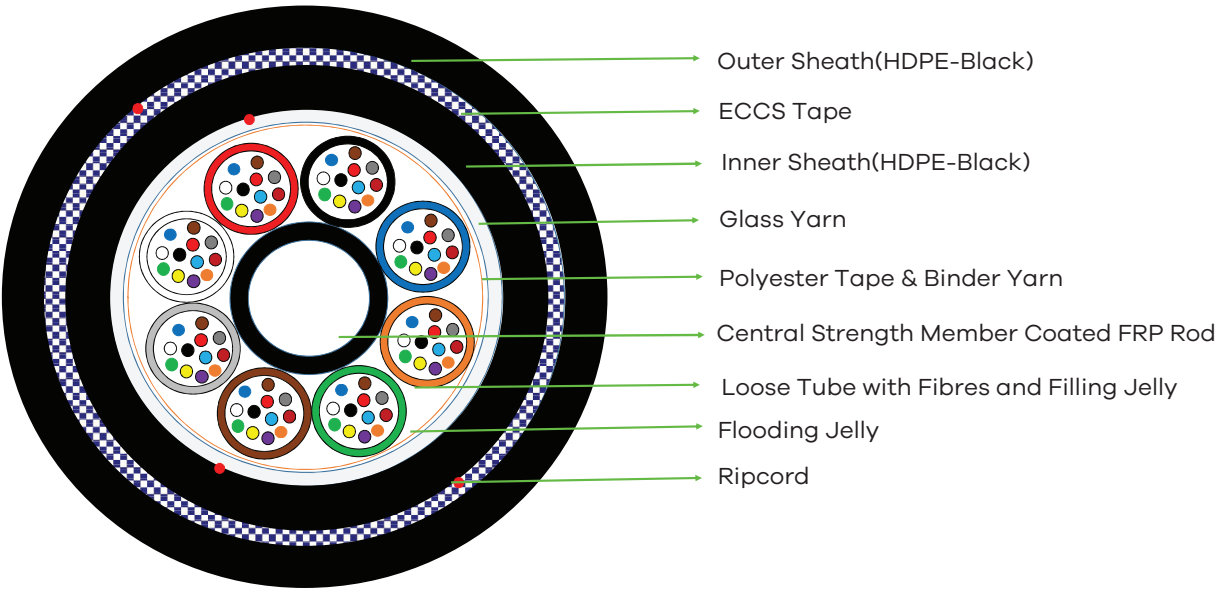
Cable Mechanical Characteristics	
Temperature Range	(-20 °C to + 70 °C)
Cable Bend Test	20 x D, D = Cable Diameter
Tensile Strength	2700N
Crush Test	2000 Newton /100x100 mm

\*Tests shall be carried out as per IEC Standards. Change in attenuations shall be ≤0.05 dB/km.

Colour Code	
Fiber / Tube	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua
Loose Tube	Blue, Orange, Green, Brown, Slate, White, Red, Black

Packing Detail	
Packing Type	Wooden Drum
Length & Tolerance	2 KM +/- 10%

# Construction Of Cable



## Product

Model

ZYFS96C-SMX-MT8ARMD

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All specifications are subject to change without notice.

