06 FIBER SINGLE MODE OUTDOOR OFC CABLE

Single Mode G.652.D and G.657 (OS2 & OS1)

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.

- Suitable for Direct burial & inside duct installation
- Improves compressive Strength & Robust construction
- Local loop, metro, long-haul and broadband Network
- Light Weight and flexible

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 sensers

Military

Everywhere

Specifications

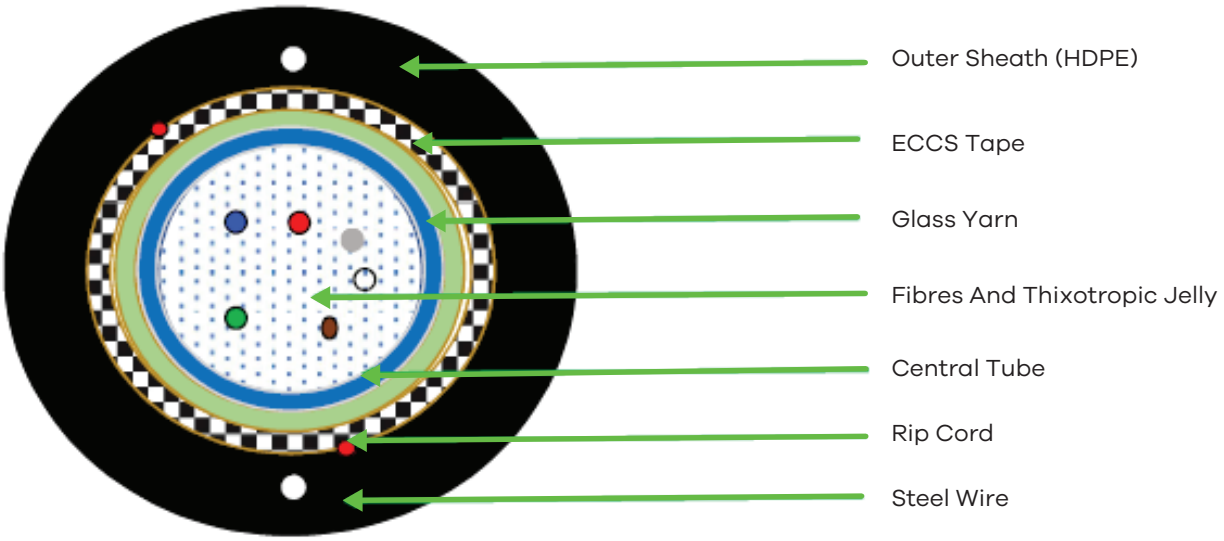
Physical Characteristics	
Fibre Type	Single Mode G.652.D and G.657 (OS2 & OS1)
Fibre Count	06
Fibres Per Tube	06
Tube Type	1 x Stranded Loose Tube (Unitube)
Subunit Type	Gel-Filled
Tube Diameter (mm)	2.5 ±0.01
Embedded Strength Member (mm)	Glass Wool / Yarn Filled
Armoring	Electro Corrugated ECCS Tape
Outer Sheath Material	HDPE 2.0mm ±0.05
Nominal cable diameter (mm) overall	9.00 ±0.05
Cable Weight (kg/km)	80 KG/Km ±10%
Additional Strength Membrane	1 x Ripcord below Armoring and Outer Sheath
Fiber Colour Code	Blue, Orange, Green, Brown, Grey, White, Red Black, Yellow, Violet, Pink, Aqua
Fiber Length (Mtrs)	2000 (Packed in wooden drum) ± 10%
Color	Black

Technical Data	
Attenuation (dB/km)	@ 1310 nm: ≤ 0.36 @ 1550 nm: ≤ 0.23 @ 1625 nm: ≤ 0.26
Chromatic Dispersion (ps/nm.km)	@ 1285-1330 nm:≤ 3.5 @ 1270-1340 nm:≤ 5.3 @ 1550 nm: ≤ 18.0 @ 1625 nm: ≤ 22.0
PMD @ 1310 and 1550 nm (ps/√km)	≤ 0.20
Zero Dispersion Slope (ps/nm^2.km)	≤ 0.092
Zero Dispersion wavelength (nm)	1300 to 1324 nm
Cable Cut off Wavelength (nm)	≤ 1260
MFD (μm)	8.8 to 9.8
Clad dia. (μm)	125 ± 1.0
Core-Clad concentricity error (μm)	≤ 0.6
Clad Non-Circularity (%)	≤ 1
Coating dia. (μm)	245 ± 10
Coating-Cladding concentricity error (μm)	≤ 12.0

Mechanical Data	
Max. Tensile Strength (N)	2000 N @ 0.25%
Crush Resistance (N/100 mm)	3000 N
Impact Strength (N. m)	25N – Mt.
Torsion	±180^0
Repeated Bend (@5kg load)	30 cycles
Bending Radius	20 x D (Dynamic); 10 x D (Static)
Drip Test (30 cm sample)	70^{0}C, 24 hrs.
Temperature Range	-10^{0}C to +60^{0}C (Installation) -20^{0}C to +70^{0}C (Operation) -30^{0}C to +70^{0}C (Storage)

Cable Standards and Qualifications	
CPR/Euro Class	EN50575 - Riser
Standards	ANSI/ICEA S-87-640, EN 187105, Bellcore / Telcordia GR-326 . ISO/IEC 11801:2002; IEC 60794-1-2E1; IEC 60794-1-2 E11; IEC 60794-1-2 E3; IEC 607941-2 F1; IEC60794-1 and ITU Recommendation G.652.D. EIA/TIA accordance as per latest updates.
Environmental Directives	RoHS Compliant
Quality Management System	ISO-9001:2008

Construction Of Cable



Product

Model
ZYFS01SM206F2521

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