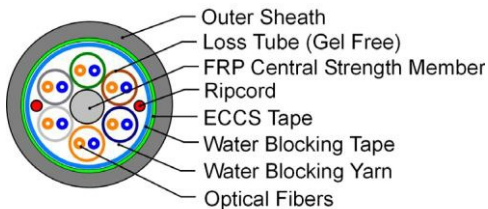


Outdoor F/O Cable, Multi Loose Tube, Dry Core, Armored

Fiber | Cables



DESCRIPTION

Fiber optic cable has unique coating and stranding technology to provide the fibers with enough space and bending endurance, which ensure good optical property of the fibers in the cable. Accurate process control ensures good mechanical and temperature performance. Gel-Free water blocking design simplifies access, saves time and avoids environmental pollution, small diameter and light weight extend installation length. High quality raw material guarantee the long service life of cable

REFERENCE STANDARDS

- IEC 60794-1
- IEC 11801
- ITU-T G652D; G657A2; G655
- IEC 60332-1-2
- EIA/TIA
- GR-20
- RoHS Compliant

OPTICAL FIBER CHARACTERISTICS

Items	Description
Fiber Type	SM, OS2, G652D
Attenuation at 1310 nm	≤ 0.36 dB/km
Attenuation at 1550 nm	≤ 0.23 dB/km
Attenuation at 1550 nm	≤ 0.21 dB/km
Attenuation at 1625 nm	≤ 0.23 dB/km
Zero-Dispersion Wavelength	1300 nm - 1324 nm
Polarization Mode Dispersion	≤ 0.2 ps/√km
Cut-Off Wavelength	≤ 1260 nm
Zero-Dispersion Slope	≤ 0.092 ps/nm ² . km
Mode Field Diameter	@1310, 9.2 ± 0.4 μm
Core/Clad Concentricity Error	≤ 0.8 μm
Cladding Non - Circularity	≤ 1.0 %
Coating Diameter	245 ± 10 μm

Items	Description
Fiber Type	OM3, 50 μm
Attenuation at 850 nm	≤ 0.30 dB/km
Attenuation at 1300 nm	≤ 0.10 dB/km
Bandwidth @ 850 nm	≥ 1500 MHz.km
Bandwidth @ 1300 nm	≥ 500 MHz.km
Core Diameter	50.0 ± 2.5 μm
Core/Clad Concentricity Error	≤ 1.0 μm
Cladding Diameter	125 ± 10 μm
Cladding Non - Circularity	≤ 1.0 %
Cladding Non - Circularity	≤ 1.0 %
Coating Diameter	250 ± 15 μm

CABLE DIMENSIONS AND CONSTRUCTIONS

Items	Dimension	Type/Color
Fiber counts per loose tube	2 Fibers	Blue & Natural
Number of loose tubes	6 (12 fibers)/3 (6 fibers)	Blue, Orange, Green, Brown, Gray, White
Loss Tube outer/inner diameter	Ø 2.2/1.6 ±0.1mm	
Central strength member	Ø 2.3 ±0.1mm	FRP (Fiber Reinforced polymer) Rode
Moisture Barrier		Water Observable Tape and Yarn
Aarmor	≥ 0.14 mm Thick	ECCS Steel Tape
Outer Sheath	1.5 mm Thick Nom.	HDPE (High Density Polyethylene), Black
Number of Ripcords	2	Polyester
Outer Cable Diameter	Ø 11.5 ±0.5mm	
Cable Weight	115±10 Kg/Km	

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

Item		
Tensile Strength	IEC 60794-1-2-E1	2000 N
Crush Resistance	IEC 60794-1-E3	2000 N/10 Cm
Impact Strength	IEC 60794-1-E4	15 Nm
Torsion	IEC 60794-1-E7	±180 °
Temperature Range	IEC 60794-1-2-F1	-20-+70 °C
Min Bending Radius	IEC 60794-1-2-E11	20 x Outer cable diameter

ORDERING INFORMATION

P/N	DESCRIPTION
GFS2DALTMSAPE006	Genius Fiber Optic cable 6 core SM Multitube Dry Core Armoured Cable
GFS2DALTMSAPE012	Genius Fiber Optic cable 12 core SM Multitube Dry Core Armoured Cable
GFM3DALTMSAPE006	Genius Fiber Optic cable 12 core OM3 Multitube Dry Core Armoured Cable
GFM3DALTMSAPE012	Genius Fiber Optic cable 24 core OM3 Multitube Dry Core Armoured Cable

Packing: Wooden or Plastic Drums Protection

Delivery Length: Standard delivery length is 2.0 ± 5% km/drum