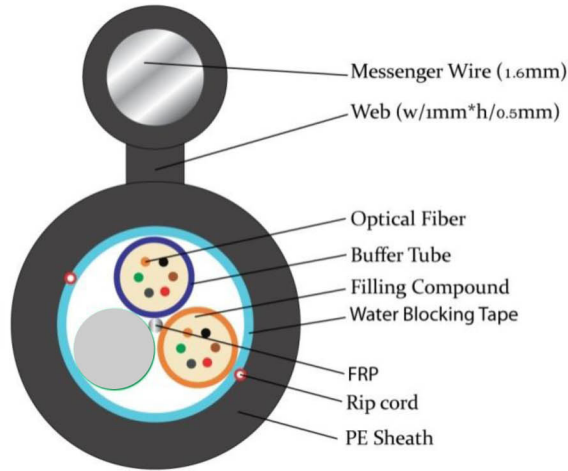


Fiber Optic Cable

Drop wire Optical Cable 6-24F Multi Loose tube



Model : W-FOWMxNx



Overview

The fiber, 250µm, are positioned in a loose tube made of a high modulus plastic, the tubes are filled with a water-resistant filling compound. The two sides PSP are longitudinally applied over the outer loose tube. Steel wires and loose tube filled tube with water proof compound to ensure compact and longitudinally water blocking, this part of cable accompanied with the stranded wires as the supporting part are completed with a polyethylene (PE) sheath to be Drop wire structure.

Features

- > This specification covers the requirements of the standard singlemode fiber cable for access service (Dropwire Twisted) to be supplied to TOT Public Company Limited (TOT) intended primarily to use for outside plant network in aerial application.
- > Designed and tested in accordance with Bellcore GR-20-CORE Bellcore GR-409RE, TIA/EIA-568B.3, TIA/EIA-598A ISO/IEC11801, ITU-T G.652D, IEC 60793-2B1.3 IEEE802.3, TIS 2166 - 2548
- > Mode field Diameter : The nominal value of the mode field diameter at 1310 nm shall be 9.2 nm. T Mode field Diameter the mode field diameter deviation shall not exceed the limits of 0.4 m

Specifications

Optical Fiber	SM-G652D
Central Strength Member	Material : FRP Diameter : ≥ 0.5 mm
Loose Tube	Structure : 6 Fiber per Tube Material : PBT Thixotropic : Jelly compound
Stranding	Reverse oscillating lay (ROL) Technique (SZ Direction) -1+3+3
Water Blocking Elements	Water Swellable Yarn and Water Blocking Tape
Support Strand	Material : Galvanized Steel Wire Diameter : ≥ 1.6 mm Suspended tape : 2*2 mm
Sheath	Material : HDPE Thickness----- ≥ 1.5 mm @ Cable Core ≥ 1.0 mm @ Support Strand
Cable	Diameter : Nom. \varnothing 802-12.8 mm Weight : Approx. 75 Kg/Km
Optical Fiber Color Code	1.Blue 2. Orange 3. Green 4. Brown 5. Gray 6.White (EIA/TIA-598-A)
Loose Tube Color Tube	1.Blue 2. Orange
Optical Performance	Attenuation Coefficient : @ 1310 nm ≤ 0.35 dB/Km @ 1550 nm ≤ 0.21 dB/Km Chromatic Dispersion : @ 1310 nm < 3.5 ps/(nm.km) @ 1550 nm < 18 ps/(nm.km)
Minimum Tensile Strength	1500 N
Minimum Elongation	300 %
Minimum Bending Radius	20D
Operation Temperature	-20 °C to +70 °C
Water Resistant Test	Sample-3m/water-1m/1h
Trickle	@90°C ≤ 0.05 g
Standard Length of Cable	4.0 Km/drum
size	1.25(L)*1.2(H)*0.68(W)