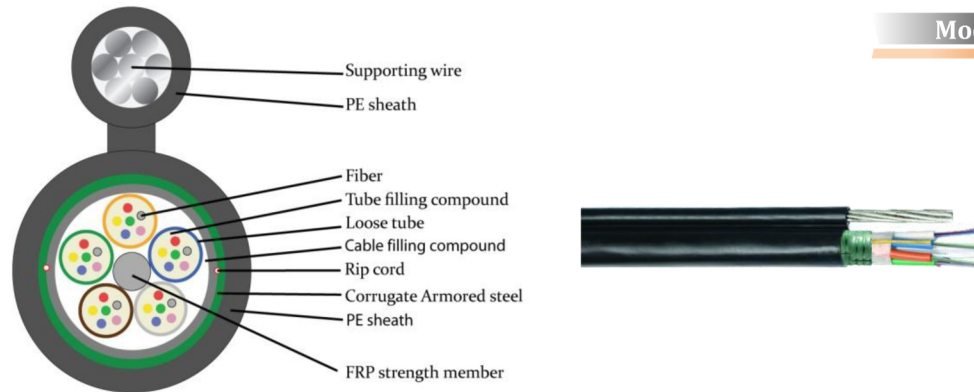


Fiber Optic Cable

Figure 8 Self-supporting Optical Cable Multi Loose Tube



Model : W-FOFMXNX

Overview

The fiber, 250 μ m, are positioned in a loose tube made of a high modulus plastic, the tubes are filled with a water-resistant filling compound. A steel wire locates in the center of core as a metallic strength member. The tubes (and fillers) are stranded around the strength member into a compact and circular core, After an Aluminum Polyethylene Laminate(APL) moisture barrier is applied around the cable core, this part of cable accompanied with the stranded wires as the supporting part are completed with a polyethylene(PE) sheath to be figure 8 structure.

Features

- > High tensile strength of stranded wire meet the requirement of self-supporting and reduce the installation cost
- > Good mechanical and temperature performance
- > High strength loose tube that is hydrolysis resistant
- > Special tube filling compound ensure a critical protection of fiber
- > The following used measures are taken to ensure the cable watertight
- > FRP wire used as the central strength member
- > Loose tube filling compound
- > 100% cable core filling
- > APL moisture barrier

Specifications

Cable Type and Fiber count	Cable Diameter mm	Cable Weight Kg/Km	Tensile Strength Long/Short Term N	Crush Resistance Long/Short N/100mmm	Bending Radius Static/Dynamic mm
W-FOFM24NX	9.5x18.3	218	600/1500	300/1000	10D/20D
W-FOFM48NX	9.5x18.3	218	600/1500	300/1000	10D/20D
W-FOFM96NX	9.5x18.3	218	600/1500	300/1000	10D/20D
W-FOFM144NX	9.5x18.3	218	600/1500	300/1000	10D/20D

Optical Characteristics

		G.652	G.655	50/125 μ m	62.5/12 μ m
Attenuation (+20°C)	@850nm			≤ 3.0 dB/km	≤ 3.0 dB/km
	@1300nm			≤ 1.0 dB/km	≤ 1.0 dB/km
	@1310nm	≤ 0.36 dB/km	≤ 0.4 dB/km		
	@1550nm	≤ 0.22 dB/km	≤ 0.23 dB/km		
Bandwidth (Class A)	@850nm			≤ 500 MHz·km	≤ 200 MHz·km
	@1300nm			≤ 1000 MHz·km	≤ 600 MHz·km
Numerical Aperture				0.200 \pm 0.015NA	0.275 \pm 0.015NA
Cable Cut-off Wavelength λ_{cc}		≤ 1260 nm	≤ 1480 nm		