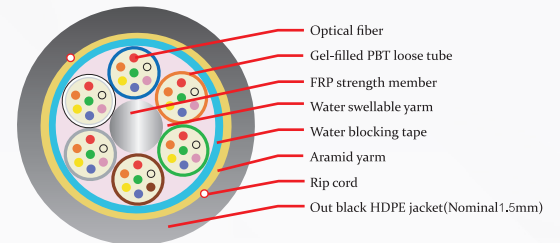


All Dielectric Self-Supporting (ADSS) SINGLE JACKET

Model : W-FOADSSSX1

Features

The product is use as communication optical cable of overhead high-voltage electricity transmission system. It also can be used as communication optical cable at the areas. Structure cable non armor



Standard

- ISO/IEC 9001 : 2015 , ISO/IEC 11801
- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- Telcordia (Bellcore) GR-20-CORE, GR-409-CORE
- ANSI/ICEA 696, ANSI/ICEA 596
- ITU-T G.651 (Multi Mode)
- ITU-T G.652D (Single Mode)
- IEEE802.3 ATM FDDI ,TIS 2166-2548
- IEC60332-3, IEC60332-1
- IEC61034-2, IEC60754-2
- IEC60793, IEC60794-1-2
- TIA/EIA-455-173, ICEA 640
- EN 50173-1 IEC 60793
- RoHS Compliant



Specification

Table 1 : Geometrical Performance

Item		Specification
Attenuation (dB/km) Single Mode (OS2)		≤ 0.34 @ 1310 nm
		≤ 0.21 @ 1550 nm
		≤ 0.23 @ 1625 nm
Mode Field Diameter		9.2 ± 0.4 m @ 1310 nm
		10.4 ± 0.5 μ m @ 1550 nm
Material	Core	Germanium doped silica glass, high grade silica
	Cladding	Silica glass
Cladding Diameter		$125\mu\text{m} \pm 1 \mu\text{m}$
Core Non-circularity (%)		≤ 5
Cladding Non-circularity		$\leq 1.0\%$
Core-Cladding Concentricity error		$\leq 0.5 \mu\text{m}$
Primary Coating		2 layers , UV Curable Acrylate
Coating Diameter (μ m)		$245 \pm 5 \mu\text{m}$
Colored Fiber Diameter (μ m)		$250 \pm 15 \mu\text{m}$
Coating/Cladding Concentricity error		$\leq 12 \mu\text{m}$
Zero Dispersion Wavelength (λ_0)		$1,300 \leq \lambda_0 \leq 1,324$ nm

Table 2 : The construction of the cable

Item		Specification
Fiber Count		12, 24, 48, 60, 96, 120
Filling Compound		Thixotropic Jelly Compound
Loose tube	Material	(PBT) Polybutylene Terephthalate
	Diameter	Nom. 4.2 mm./max. numb. of the fiber per tube 12 tube
	Assembly	Fibers are brought together with the filling compound and placed in the extruded tube
Additional Strength Member		Water blocking E-Glass yarn
Strength Member		Fiber-reinforced plastic (FRP)
Water Blocking Tape		Thickness 0.3 mm
Rip Cord		Aramid cords
Outer Sheath	Material	High density Polyethylene (HDPE)
	Thickness	≥1.6 mm
	Diameter	>10.5 mm
Temperature Range	Operation	-40 °C to + 70 °C
	Installation	-40 °C to + 70 °C
	Storage	-40 °C to + 75 °C
Maximum Span Length		< 80 m
Maximum Wind Velocity		126 km/hr
Minimum installation Sag		0.1 % of Maximum Span Length
Maximum Tensile Load Short/Long Term		4,000 N / 2,000 N
Maximum Span Length	Installation	20 x External Diameter of Cable
	Operation	10 x External Diameter of Cable

Table 3 : The color code of the loose tubes Identification (Standard : TIA/EIA-598-A)

No.	Fiber Color	No.	Fiber Color
1	Blue ●	7	Red ●
2	Orange ●	8	Black ●
3	Green ●	9	Yellow ●
4	Brown ●	10	Violet ●
5	Slate ●	11	Rose ●
6	White ○	12	Aqua ●

Table 4 : Part Number

No.	Description
W-FOADSSS61	"Widen" ADSS cable 6F SM, Single Jacket
W-FOADSSS121	"Widen" ADSS cable 12F SM, Single Jacket
W-FOADSSS241	"Widen" ADSS cable 24F SM, Single Jacket
W-FOADSSS481	"Widen" ADSS cable 48F SM, Single Jacket
W-FOADSSS601	"Widen" ADSS cable 60F SM, Single Jacket