

DCSSF-STXXX-2DCN

Flat Drop Cable All Dielectric Self-Support



Structure Diagram



High-Quality Raw Materials

1. Optical Fibers: All Performance Meets ITU-T Technical Standards.
2. Tube Filling: Thixotropic Gel Compound.
3. Loose Tube: Polybutylene terephthalate (PBT).
4. Dielectric Strength Member: Fiberglass Reinforced Plastic (FRP).
5. Outer Jacket: Borealis High-Density Poly.

The properties of single mode fiber (ITU-T G.652.D) .

Items	Description
Attenuation Coefficient:	@1310 ≤ 0.35 dB/km
	@1550 ≤ 0.21 dB/km
Recommended Band: @1310nm @1550nm:	O:1260-1360(Zero Dispersion Wavelength)
	C: 1530-1565 (Minimum attenuation)
Fibers: ITU-T G.652.D:	Dimensions: 9/125/250 $\pm 5\mu\text{m}$
Core / Cladding Concentricity Error:	$\leq 0.4\mu\text{m}$ (0.7%)
Mode Field Diam:	@1310;1550nm $\leq 8.6 \pm 0.4; 9.8 \pm 0.4\mu\text{m}$
	@1550nm $\leq 9.8 \pm 0.4\mu\text{m}$
Point Discontinuity:	@1310;1550nm $\leq 0.05\text{dB}$
Cable Cut-off wavelength(λ_{cc}):	$\leq 1260\text{nm}$
Fiber Strain:	$\geq 1\%$; Fiber Load $\geq 9\text{N}$
Temperature Cycling (-60°C~+85°C):	$\leq 0.05\text{dB/km}$
Macro Bending Loss:	100turns of 30mm Radius ≤ 0.05

Disclaimer: Images are strictly used as reference

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Product complies with the following Standards						
ITU-T G.652.D EIA/TIA 598 IEC 60794 IEEE1222-2004						
Fibers Color Standard Sequence						
No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

Weather Conditions & Main Install Info Par

Items	Description
Thread Count Configuration	01F / 02F / 04F / 06F / 08F / 12F
Internal structure	1 Lose Tube * 2.1mm + 2 GFRP * 2.0mm
External magnitude (mm)	4.3mm * 8.0mm - HDPE
Wind speed:	Wind speed 25m/s
	Ice = 0mm
Sag:	0.5% (80-120mSpan)
	1.0%(150-300mSpan)
Max Applied Voltage:	≤110kv; Installation
Temperature:	-25 ~ +65
Under MAT:	Fiber strain: ≤ 0.05% (Stranded Loose Tube)
	≤ 0.1% (Uni-tube)
Bending Radius:	≥10 × Out Diameter (Static10D/Dynamic20D)
RTS:	Rated tensile Strength (Break Strength) (KN/ N/mm ²)
UTS:	Ultimate Tensile Strength(60%RTS) (KN/ N/mm ²)
MAT:	2136N - Max allowable working tension (40% RTS)
EDS:	Everyday Strength (16-25%RTS) (KN/ N/mm ²)
Wind Load Formula:	$W=C1*(D+2t) * V^2 * \alpha / 16000$ (α value = 0.85)
Aramid Yarns Tensile modulus:	≥120Gp

Packing List:

4F-12F: 35kg/km, 4km/Reel, ϕ 0.75m * 0.55m, GW = 162KG.

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