

ADSS All Dielectric Self-Supporting Cable

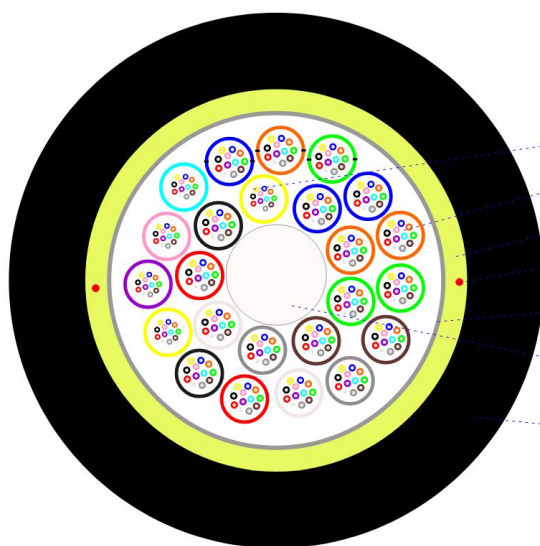
MAT=2700N. SPAN=120M Main Specifications:

Outer Jacket: UV protection, G657A2 FIBERS

12F*(9+15)T*2.1Tube with super absorbent yarns+2.3CSM+2 Kevlar Ripcords+super absorbent Tape+Aramid yarns+18.4mm HDPE Jacket

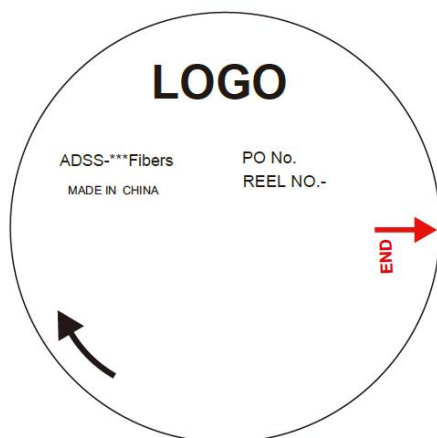
Structure Design Drawing(9+15+1)

ADSS DESIGN ADSS-SJ-288F
24Tube+1Central



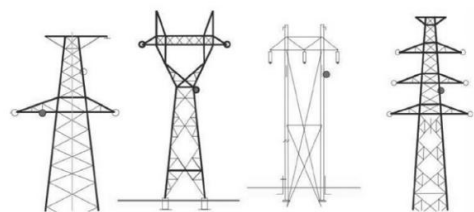
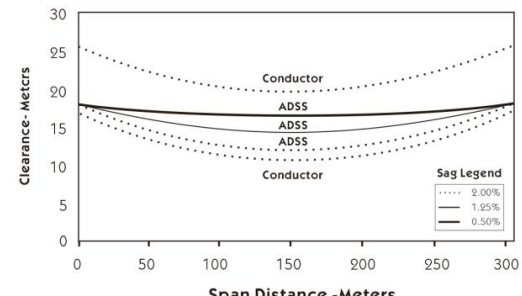
- PBT Loose Tube
- 9Tubes* Optic Fibers+Super absorbent thread
- 15Tubes* Optic Fibers+Super absorbent thread
- Aramid Yarn Strength
- 2* Ripcords Aramid Yarn
- Water Blocking Tape
- 2*Water Blocking Yarn
- GFRP Central Strength Member
- HDPE Outer Sheath

Packing Photos



High-Quality Raw Materials	Main Optical Fiber Characteristics
1. Optical Fibers: All Performance Meets ITU-T Technical Standards The coating of the fiber: Acrylate 2. Super absorbent yarns: Polyester filament, polymer expandable water absorbent resin Protect the optical fibers against water and moisture in the loose tubes. 3. Loose Tube: Polybutylene terephthalate(PBT) 4. Central Dielectric Strength Member: Fiberglass Reinforced Plastic(FRP) 5. Super absorbent Tape: Polyester non-woven fabric, super absorbent resin, adhesive Protect the optical fibers against water and moisture around the loose tubes. 6. Reinforcement elements: Aramid Yarn 7. Ripcord: Kevlar 8. Outer Jacket: HDPE 9. The fiber optic cable has a lifespan of 20 years.	1. Fibers: ITU-T G.657.A2 ; Dimensions: 9/125/250±5µm (Compatible with the ITU-T G.652.D optical fibers of the distribution or feeder cable and the ITU-T G.657.B3 fibers of the drop cables) 2. Recommended Band: @1310nm @1550nm O: 1260-1360 (Zero Dispersion Wavelength) C: 1530-1565 (Minimum attenuation) 3. Core / Cladding Concentricity Error ≤0.4µm (0.7%) 4. Attenuation Coefficient: @1310; 1550nm ≤0.35; 0.21dB/km 5. Mode Field Diameter: @1310; 1550nm ≤8.6±0.4; 9.8±0.4µm 6. Point Discontinuity: @1310; 1550nm ≤0.05dB 7. Cable Cut-off wavelength(λ_{cc}): ≤1260nm 8. Fiber Strain: ≥1% ; Fiber Load ≥9N 9. Temperature Cycling (-60°C ~ +85°C): ≤0.05dB/km 10. Macro Bending Loss: 100 turns of 30mm Radius ≤0.05 11. The algebraic average value of each splice is less than or equal to 0.05 dB, at wavelengths 1310nm and 1550nm.

Weather Conditions & Main Install Info Parameters

 Conductor & ADSS Sag Profiles 	1. Wind speed=25m/s, Ice=0mm 2. Max Applied Voltage: ≤110kv ; Installation 3. Temperature: -25~+65°C 4. Bending Radius: ≥10×Out Diameter (Static 10D/Dynamic 20D) 5. RTS: Rated tensile Strength (Break Strength)(KN/ N/mm²) 6. UTS: Ultimate Tensile Strength(60%RTS)(KN/ N/mm²) 7. MAT: Max allowable working tension (40%RTS) 8. EDS: Every Day Strength (16-25%RTS)(KN/ N/mm²) 9. Sag=0.5%(80-120mSpan); 1.0%(150-300mSpan); 10. Wind Load Formula: $W = C_1 \cdot (D+2t) \cdot V^2 \cdot \alpha / 16000$ (α value=0.85) 11. Aramid Yarns Tensile modulus ≥120Gpa 12. Under MAT: Fiber strain: ≤0.05% (Stranded Loose Tube) ≤0.1% (Uni-tube)
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Product complies with the following Standards

ITU-T G.652.A2 | EIA/TIA 598(2005) | IEC 60794 | IEEE 1222-2004 | EIA-455-82B (1992)/FOTP-82B | ASTM D1248 (2005)

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