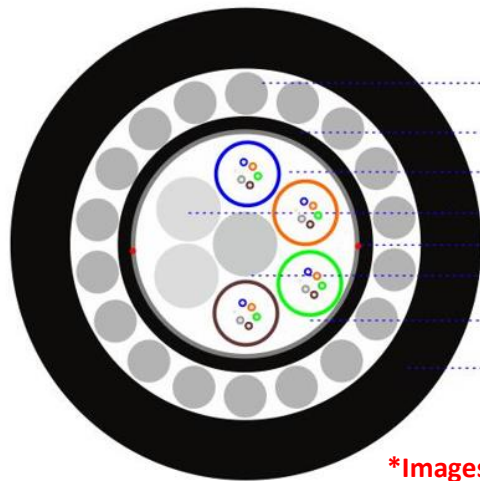


# ADSS-09G652XXX-DJAR300Z-CN

AR-ADSS All Dielectric Self-Supporting Cable Span 300m Double Jacket Desing.



- Fiber-Glass Rods
- Inner sheat HDPE UV-Resistant(Black RAL9005)
- 4\* Tubes with Optic Fibers(G.652.D)
- 2\* Fillers
- 2\* Ripcords(Red)
- Central Strength Member
- Filling Compound
- Outer sheat HDPE UV-Resistant(Black RAL9005)
- Jacket UV protection+Chemicals (anti rodent)

**\*Images are purely used as reference**

Our standard Anti Rodent ADSS optic cable (300-meter span) features a double jacket with a loose tube made of thermoplastic material, which contains optical fiber and is filled with gel. It includes thermoplastic rods as filler elements and glass fiber-reinforced plastic rods as central strength members, coated with polyethylene for cables with 96 cores or more.

## Features:

OPTICAL PROPERTIES	
<b>Fiber Type</b>	ITU-T Rec. Low Water Peak (LWP) - G652D
<b>Fiber yarn count</b>	24F / 48F/ 96F
<b>Attenuation coefficient</b>	1310nm < 0.35 dB/Km
	1550nm < 0.21 dB/Km
	1625nm < 0.22 dB/Km
<b>Point discontinuity</b>	≤ 0.05 dB
<b>Diameter of modal field</b>	Wavelength: 1310nm, 1550nm, 1625nm
	Nominal range: ≤ 8.6±0.4; 9.8±0.4µm
<b>Cladding diameter (nominal)</b>	125 mm ± 0,5 mm
<b>Primary coating diameter</b>	245 ± 10 um
<b>Cut-off wavelength</b>	Max: 1260 nm
<b>PMD coefficient (Polarization Mode Dispersion)</b>	Max: 0,20 ps/√ km

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TECHNICAL PROPERTIES		
<b>External covering material</b>	HDPE HDPE UV-Resistant (Black RAL9005) + Chemicals (Anti Rodent)	
<b>Internal covering material</b>	HDPE UV-Resistant (Black RAL9005)	
<b>Main Anti Rodent Protection</b>	Jacket Fiberglass Rods	
<b>Secondary Anti Rodent Protection</b>	Chemicals (Anti Rodent)	
<b>Internal cable structure - Loose tube</b>	ADSS-09G652024-DJAR300Z-CN	6F X 4 Loose Tube 2 Fillers
	ADSS-09G652048-DJAR300Z-CN	8F X 6 Loose Tube 0 Fillers
	ADSS-09G652096-DJAR300Z-CN	12F X 8 Loose Tube 0 Fillers
<b>Loose tube - Outer diameter (mm)</b>	Loose tube - Diameter	
	ADSS-09G652024-DJAR300Z-CN	2.0 ± 0.1 mm
	ADSS-09G652048-DJAR300Z-CN	2.0 ± 0.1 mm
	ADSS-09G652096-DJAR300Z-CN	2.2 ± 0.1 mm
<b>Central member structure (CSM)</b>	Glass Fiber Reinforced Plastic rod (GFRP)	
	ADSS-09G652024-DJAR300Z-CN	2.0 ± 0.1 mm
	ADSS-09G652048-DJAR300Z-CN	2.0 ± 0.1 mm
	ADSS-09G652096-DJAR300Z-CN	3.5 ± 0.1 mm
<b>Configuration of the internal cable structure</b>	SZ Braided, Thermoplastic Cylinders	
<b>Losse Tube Filling</b>	Thixotropic Gel Compound	
<b>Tube Structure</b>	Polybutylene terephthalate (PBT)	
<b>Cable Diameter (mm)cable OD)</b>	ADSS-09G652024-DJAR300Z-CN	14.0 ± .45 mm
	ADSS-09G652048-DJAR300Z-CN	14.0 ± .45 mm
	ADSS-09G652096-DJAR300Z-CN	15.5 ± .45 mm
<b>Ripcord</b>	2 Nos. below armor	
<b>Water Blocking Material</b>	Core wrapping	Water blocking tape

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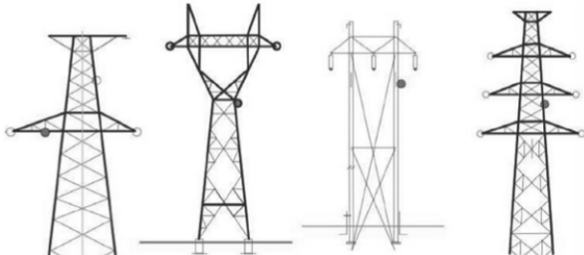
	Water blocking media	Water Swellable Yarn Over CSM
<b>Color code</b>	TIA 598 D Standard: Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose (Pink), Aqua	
<b>Temperature range (IEC 60794-1-F1)</b>	Operation	-60° to +85°C
	Installed	-60° to +85°C
	Storage and Shipping	-60° to +85°C
<b>Tube filling compound</b>	Water Blocking & Moisture Proof Thyrotrophic gel	
<b>Filler</b>	PP Diameter same as tube	
<b>Water blocking tape</b>	0.28mm thickness	
<b>Working Tension (MAT)</b>	ADSS-09G652024-DJAR300Z-CN	9600N
	ADSS-09G652048-DJAR300Z-CN	9600N
	ADSS-09G652096-DJAR300Z-CN	9600N
<b>Drum length x Km</b>	ADSS-09G652024-DJAR300Z-CN	165 Km ± 5Kg/Km
	ADSS-09G652048-DJAR300Z-CN	165 Km ± 5Kg/Km
	ADSS-09G652096-DJAR300Z-CN	190 Km ± 5Kg/Km
<b>Cable SPAN</b>	300 m.	

<b>Product complies with the following Standards</b>						
ITU-T G.652.D   EIA/TIA 598   IEC 60794   IEEE1222-2004						
<b>Fibers Color Standard Sequence</b>						
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

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AR-ADSS All Dielectric Self-Supporting Cable Span 300m Double Jacket Desing.



High-Quality Raw Materials	Main Optical Fiber Characteristics
<p>All materials use High-Quality raw materials:</p> <ol style="list-style-type: none"> <li>Optical Fibers: All Performance Meets ITU-T Technical Standards</li> <li>Tube Filling: Thixotropic Gel Compound</li> <li>Loose Tube: Polybutylene terephthalate (PBT)</li> <li>Central Dielectric Strength Member: Fiberglass Reinforced Plastic (FRP)</li> <li>Filler: FRP with the same Diameter as Tubes</li> <li>Water blocking Yarn: Polyester filament, polymer expandable water absorbent resin</li> <li>Water Swellable Tape: Polyester non-woven fabric, super absorbent resin, adhesive</li> <li>Binder: Polyethylene Terephthalate (Polyester Yarn)</li> <li>Ripcord: High strength tear rope</li> <li>Dielectric Strength Member: Fiber Glass Rods</li> <li>Outer Jacket: UV protection Chemicals (anti rodent)</li> </ol>	<ol style="list-style-type: none"> <li>Fibers: ITU-T G.652.D. Dimensions: 9/125/250±5µm</li> <li>Recommended Band: @1310nm @1550nm O:1260-1360(Zero Dispersion Wavelength) C: 1530-1565 (Minimum attenuation)</li> <li>Core / Cladding Concentricity Errors≤0.4µm. (0.7%)</li> <li>Attenuation Coefficient: @1310;1550nm≤0.35;0.21dB/km</li> <li>Mode Field Diameter: @1310;1550nm≤8.6±0.4;9.8±0.4µm</li> <li>Point Discontinuity: @1310;1550nm≤0.05dB</li> <li>Cable Cut-off wavelength (λ cc): ≤1260nm</li> <li>Fiber Strain: ≥1%; Fiber Load≥9N</li> <li>Temperature Cycling (-60℃~+85℃): ≤0.05dB/km</li> <li>Macro Bending Loss: 100turns of 30mm Radius≤0.05</li> </ol>
Weather Conditions & Main Install Info Parameters	
	<ol style="list-style-type: none"> <li>Wind speed=25m/s, Ice=0mm</li> <li>Max Applied Voltage: ≤110kv; Installation</li> <li>Temperature: -25~+65℃</li> <li>Bending Radius: ≥10×Out Diameter (Static10D/Dynamic20D)</li> <li>RTS: Rated tensile Strength. (Break Strength) (KN/ N/mm<sup>2</sup>)</li> <li>UTS: Ultimate Tensile Strength(60%RTS) (KN/ N/mm<sup>2</sup>)</li> <li>MAT: Max allowable working tension (40%RTS)</li> <li>EDS: Everyday Strength (16-25%RTS) (KN/ N/mm<sup>2</sup>)</li> <li>Sag=0.5%(80-120mSpan). 1.0%(150-300mSpan);</li> <li>Wind Load Formula: <math>W=C1*(D+2t) *V^2*\alpha / 16000</math> (<math>\alpha</math> value=0.85)</li> <li>Aramid Yarns Tensile modulus ≥120Gpa</li> <li>Under MAT: Fiber strain: ≤0.05% (Stranded Loose Tube) ≤0.1% (Uni-tube)</li> </ol>