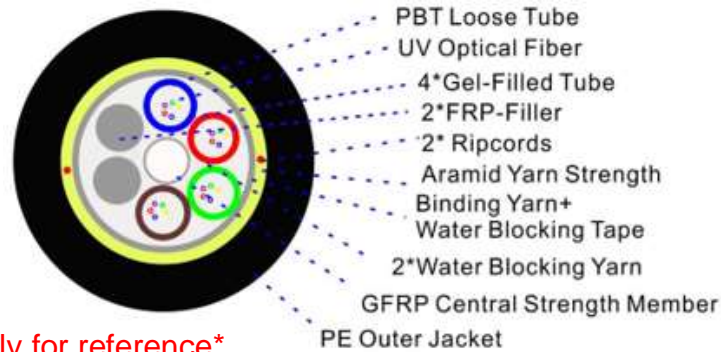


# ADSS-09G652XXX-SJ80LZ-CN

ADSS Optic Cable G652 9/125 – Single Jacket/ 80-meter Span



Images used solely for reference\*

Our Standard ADSS Optic Cable (80-meter span) offers a thermoplastic material loose tube, containing optical fiber and filled with gel. It features thermoplastic rods as filler elements and glass fiber reinforced plastic rods as central strength members coated with polyethylene from 06 up to 48 fibers.

## Features:

OPTICAL PROPERTIES	
<b>Fiber Type</b>	ITU-T Rec. Low Water Peak (LWP) - G652D
<b>Fiber yarn count</b>	06F / 12F / 24F / 48F
<b>Attenuation coefficient</b>	1310nm < 0.34 dB/Km
	1550nm < 0.20 dB/Km
<b>Point discontinuity</b>	≤ 0.05 dB
<b>Diameter of modal field</b>	Wavelength: 1310nm, 1550nm, 1625nm
	Nominal range: 9.2 um Tolerance: ± 0.4 um
<b>Cladding diameter (nominal)</b>	125 mm ± 1 um
<b>Primary coating diameter</b>	245 ± 5 um
<b>Cut-off wavelength</b>	Max: 1260 nm
<b>PMD coefficient (Polarization Mode Dispersion)</b>	Max: 0,20 ps/√ km
TECHNICAL PROPERTIES	
<b>External covering material</b>	HDPE
<b>Outer jacket color</b>	Black
<b>Jacket protection</b>	UV resistant
<b>Max. fiber counts/tube</b>	ADSS-09G652012-SJ80LZ-CN (2 buffer with 6 threads)
	ADSS-09G652024-SJ80LZ-CN (4 buffer with 6 threads)
	ADSS-09G652048-SJ80LZ-CN (6 buffer with 8 threads)
<b>Structure Inside of the Cable</b>	12F (6T+1FRP), 24 (6T+1FRP), 48 (6T+1FRP)

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<b>Loose tube - Outer diameter (mm)</b>	ADSS-09G652012-SJ80LZ-CN	2.1 ± 0.1 mm
	ADSS-09G652024-SJ80LZ-CN	2.1 ± 0.1 mm
	ADSS-09G652048-SJ80LZ-CN	2.1 ± 0.1 mm
<b>Central member structure (CSM)</b>	Glass Fiber Reinforced Plastic rod (GFRP)	
	ADSS-09G652012-SJ80LZ-CN	2.1 ± 0.1 mm
	ADSS-09G652024-SJ80LZ-CN	2.1 ± 0.1 mm
	ADSS-09G652048-SJ80LZ-CN	2.1 ± 0.1 mm
<b>Configuration of the internal cable structure</b>	SZ Braided, Thermoplastic Cylinders	
<b>Outer Sheath</b>	Thickness (mm)	1.9 ± 0.1 mm
<b>Tube Structure</b>	Material	Colors of tubes PTB
<b>Diameter of the Cable of Optical Fiber</b>	ADSS-09G652012-SJ80LZ-CN	10.7 ± .20 mm
	ADSS-09G652024-SJ80LZ-CN	10.7 ± .20 mm
	ADSS-09G652048-SJ80LZ-CN	10.7 ± .20 mm
<b>Ripcord</b>	2 Nos. 2*3000Dtex	
<b>Water Blocking Material</b>	Core wrapping	Water blocking tape
	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	-40° to +70°C
	Installed	-40° to +70°C
	Storage and Shipping	-40° to +70°C
	Sample length: at least 1000m Temperature range: -10°C~+70°C Cycles: 2 Temperature cycling Test dwell time: 12 hours	The change in attenuation coefficient shall be less than 0.1 dB/km
<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	

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<b>Working Tension (MAT)</b>	ADSS-09G652012-SJ80LZ-CN	2100N
	ADSS-09G652024-SJ80LZ-CN	2100N
	ADSS-09G652048-SJ80LZ-CN	2100N
<b>Dielectric Strength Members</b>	Aramid Yarns 1670Dtex	
<b>Drum length x Km</b>	ADSS-09G652012-SJ80LZ-CN	4 Km
	ADSS-09G652024-SJ80LZ-CN	4 Km
	ADSS-09G652048-SJ80LZ-CN	4 Km
<b>Cable SPAN</b>	80 Mt. SPAN	
<b>Wight / Km</b>	ADSS-09G652012-SJ80LZ-CN	83 ± 2Kg/Km
	ADSS-09G652024-SJ80LZ-CN	83 ± 2Kg/Km
	ADSS-09G652048-SJ80LZ-CN	83 ± 2Kg/Km
<b>Climate Condition</b>	No Ice, 25m/s Max Wind Speed	
<b>Tension – IEC 60794-1-2-E1</b>	IEC 60794-1-2-E1 Load: According to 3.5 Sample length: Not less than 50m. Duration time: 1min.	
<b>Crush – IEC 60794-1-2-E3</b>	IEC 60794-1-2-E3 Load: According to 3.5 Duration of load: 1min	
<b>Bending radius IEC 60794-1-E11A</b>	IEC 60794-1-2-E11A Mandrel radius: 10*D Turns:4 Cycles:3	Additional attenuation: ≤0.1dB No damage to outer jacket and inner elements
<b>Impact Test IEC 60794-1-E4</b>	IEC 60794-1-2-E4 Radius: 300 mm Impact energy: 10 J Impact number: 1 Impact points: 3	Loss change 0.1 dB @1550 nm
		No fiber break and no sheath damage.
<b>Repeated Bending IEC 60794-1-E6</b>	Bending Dia.: 20 x D	Loss change 0.1 dB @1550 nm
	Load: 150N	
	Flexing rate: 3sec/cycle No. of cycle: 25	No fiber break and no sheath damage.

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<b>Torsion IEC 60794-1-E7</b>	Length: 1m	Additional attenuation: ≤0.1dB No damage to outer jacket and inner elements
	Load: 150N	
	Twist rate: 1min/cycle	
	Twist angle: ±180°	
	No. of cycles: 10	
<b>Water Penetration - IEC 60794-1-2-F1</b>	IEC 60794-1-2-F1 Sample length: at least 1000m Temperature range: -10°C~+70°C Cycles: 2 Temperature cycling test dwell time: 12 hours	No water leakage.

Fiber color and Binder color code: according to EIA/TIA 598D

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