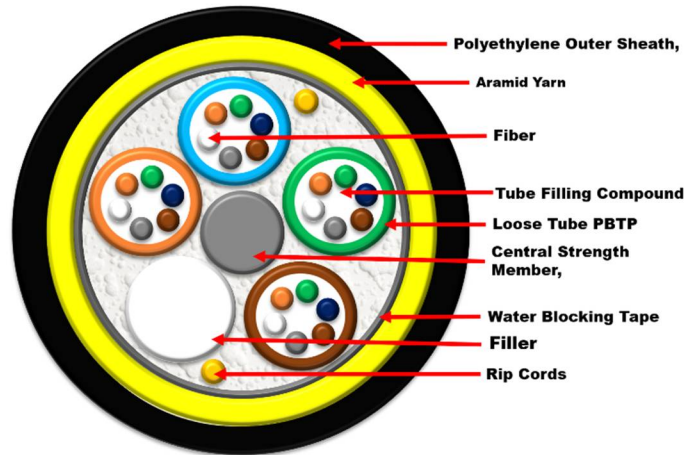


# ADSS-09G652XXX-SJ80Z-CN

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



Our Standard ADSS Optic Cable (80-meter span) offers 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 for the fiber of 144 cores or more.

## Features:

OPTICAL PROPERTIES	
Fiber Type	ITU-T Rec. Low Water Peak (LWP) - G652D
Fiber yarn count	06F/ 08F / 12F / 24F / 48F/ 96F/ 144F
Attenuation coefficient	1310nm < 0.36 dB/Km
	1550nm < 0.23 dB/Km
	1625nm < 0.22 dB/Km
Point discontinuity	≤ 0.05 dB
Diameter of modal field	Wavelength: 1310nm, 1550nm, 1625nm
	Nominal range: 9.2mm Tolerance: ± 0.4mm
Cladding diameter (nominal)	125 mm ± 0,5 mm
Primary coating diameter	245 ± 10 um
Cut-off wavelength	Max: 1260 nm
PMD coefficient (Polarization Mode Dispersion)	Max: 0,20 ps/√ km
TECHNICAL PROPERTIES	
External covering material	HDPE
Outer jacket color	Black
Jacket protection	UV resistant

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<b>Internal cable structure - Loose tube</b>	ADSS-09G652006-SJ80Z-CN	(1 buffer with 6 threads)
	ADSS-09G652008-SJ80Z-CN	(1 buffer with 8 threads)
	ADSS-09G652012-SJ80Z-CN	(2 buffer with 6 threads)
	ADSS-09G652024-SJ80Z-CN	(4 buffer with 6 threads)
	ADSS-09G652048-SJ80Z-CN	(4 buffer with 12 threads)
	ADSS-09G652096-SJ80Z-CN	(8 buffer with 12 threads)
	ADSS-09G652144-SJ80Z-CN	(12 buffer with 12 threads)
<b>Loose tube - Outer diameter (mm)</b>	Loose tube - Diameter	
	ADSS-09G652006-SJ80Z-CN	1.9 ± 0.1 mm
	ADSS-09G652008-SJ80Z-CN	1.9 ± 0.1 mm
	ADSS-09G652012-SJ80Z-CN	1.9 ± 0.1 mm
	ADSS-09G652024-SJ80Z-CN	1.9 ± 0.1 mm
	ADSS-09G652048-SJ80Z-CN	2.15 ± 0.1 mm
	ADSS-09G652096-SJ80Z-CN	2.15 ± 0.1 mm
	ADSS-09G652144-SJ80Z-CN	2.15 ± 0.1 mm
<b>Central member structure (CSM)</b>	Glass Fiber Reinforced Plastic rod (GFRP)	
	ADSS-09G652006-SJ80Z-CN	2 ± 0.10 mm
	ADSS-09G652008-SJ80Z-CN	2 ± 0.10 mm
	ADSS-09G652012-SJ80Z-CN	2 ± 0.10 mm
	ADSS-09G652024-SJ80Z-CN	2 ± 0.10 mm
	ADSS-09G652048-SJ80Z-CN	2.3 ± 0.10 mm
	ADSS-09G652096-SJ80Z-CN	3.5 ± 0.10 mm
ADSS-09G652144-SJ80Z-CN	6.4 ± 0.10 mm	
<b>Configuration of the internal cable structure</b>	SZ Braided, Thermoplastic Cylinders	
<b>Outer Sheath</b>	Thickness (mm)	1.8 ± 0.1 mm
<b>Tube Structure</b>	Material	Colors of tubes PTB

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<b>Cable Diameter (mm)cable OD)</b>	ADSS-09G652006-SJ80Z-CN	9.3 ± .45 mm
	ADSS-09G652008-SJ80Z-CN	9.3 ± .45 mm
	ADSS-09G652012-SJ80Z-CN	9.3 ± .45 mm
	ADSS-09G652024-SJ80Z-CN	9.3 ± .45 mm
	ADSS-09G652048-SJ80Z-CN	10.4 ± .45 mm
	ADSS-09G652096-SJ80Z-CN	11.5 ± .45 mm
	ADSS-09G652144-SJ80Z-CN	14.5 ± .45 mm
<b>Ripcord</b>	2 Nos. below armor	
<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>Cable breaking strength (RTS)≥</b>	ADSS-09G652006-SJ80Z-CN	4213N
	ADSS-09G652008-SJ80Z-CN	4213N
	ADSS-09G652012-SJ80Z-CN	4213N
	ADSS-09G652024-SJ80Z-CN	4213N
	ADSS-09G652048-SJ80Z-CN	5993N
	ADSS-09G652096-SJ80Z-CN	9713N
	ADSS-09G652144-SJ80Z-CN	10635N
<b>Temperature range (IEC 60794-1-F1)</b>	Operation	-20° to +65°C
	Installed	-20° to +65°C
	Storage and Shipping	-20° to +65°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	

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<b>Working Tension (MAT)</b>	ADSS-09G652006-SJ80Z-CN	1685N
	ADSS-09G652008-SJ80Z-CN	1685N
	ADSS-09G652012-SJ80Z-CN	1685N
	ADSS-09G652024-SJ80Z-CN	1685N
	ADSS-09G652048-SJ80Z-CN	2397N
	ADSS-09G652096-SJ80Z-CN	3885N
	ADSS-09G652144-SJ80Z-CN	4254N
<b>Dielectric Strength Members</b>	Aramid Yarns 1670Dtex	
<b>Drum length x Km</b>	ADSS-09G652006-SJ80Z-CN	4 Km ± 5%
	ADSS-09G652008-SJ80Z-CN	4 Km ± 5%
	ADSS-09G652012-SJ80Z-CN	4 Km ± 5%
	ADSS-09G652024-SJ80Z-CN	4 Km ± 5%
	ADSS-09G652048-SJ80Z-CN	4 Km ± 5%
	ADSS-09G652096-SJ80Z-CN	3 Km ± 5%
	ADSS-09G652144-SJ80Z-CN	2 Km ± 5%
<b>Cable SPAN</b>	80 Mt. SPAN	
<b>GW/Reel</b>	ADSS-09G652006-SJ80Z-CN	319 Kg
	ADSS-09G652008-SJ80Z-CN	319 Kg
	ADSS-09G652012-SJ80Z-CN	319 Kg
	ADSS-09G652024-SJ80Z-CN	319 Kg
	ADSS-09G652048-SJ80Z-CN	362 Kg
	ADSS-09G652096-SJ80Z-CN	359 Kg
	ADSS-09G652144-SJ80Z-CN	321 Kg
<b>Climate Condition</b>	No Ice, 25m/s Max Wind Speed	
<b>Repeated bending IEC 60794-1-2-E6</b>	25 Cycle, r= 20 X D, 5 Kg , D = Cable Diameter	

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<b>Bending radius IEC 60794-1-E11</b>	Load:5000 N	Loss change 0.1 dB @1550 nm
	Length of cable under load:50m	No fiber break and no sheath damage.
<b>Crush Test IEC 60794-1-E3</b>	Load: 3000 N/100mm	Loss change 0.1 dB @1550 nm
	Load time: ≥1min	No fiber break and no sheath damage.
<b>Impact Test IEC 60794-1-E4</b>	Points of impact: 5	Loss change 0.1 dB @1550 nm
	Times of per point: 5	
	Impact energy: 4.5Nm	No fiber break and no sheath damage.
	Radius of hammer head:12.5mm	
Impact rate: 2sec/cycle		
<b>Repeated Bending IEC 60794-1-E6</b>	Bending Dia.: 20 x OD	Loss change 0.1 dB @1550 nm
	Load: 250N	
	Flexing rate: 3sec/cycle	No fiber break and no sheath damage.
	No. of cycle: 30	
<b>Torsion IEC 60794-1-E7</b>	Length: 1m	No water shall have leaked from the opposite end of cable
	Load: 150N	
	Twist rate: 1min/cycle	
	Twist angle: ±90°	
	No. of cycle: 10	
<b>Compound Flow IEC 60794-1-E14</b>	Sample length: 30 cm	No compound flow
	Temp: 70°C 2°C	
	Time: 24 hours	

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