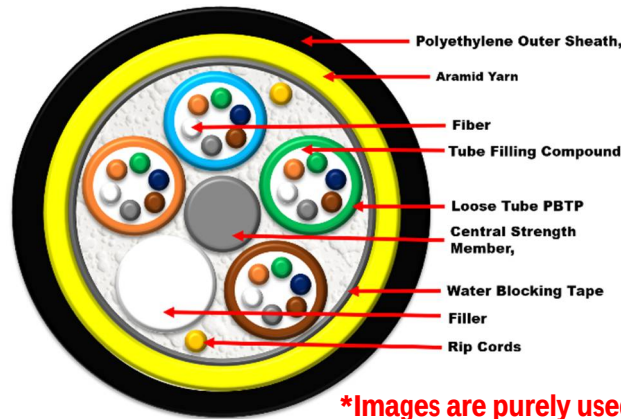


ADSS-09G652XXX-SJ120Z-CN

ADSS Optic Cable G652 9/125 – Single Jacket/ 120 meter-span



***Images are purely used as reference**

Our Standard ADSS Optic Cable (120-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/ 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	

Internal cable structure - Loose tube	ADSS-09G652006-SJ120Z-CN	(1 buffer with 6 threads)
	ADSS-09G652012-SJ120Z-CN	(2 buffer with 6 threads)
	ADSS-09G652024-SJ120Z-CN	(4 buffer with 6 threads)
	ADSS-09G652048-SJ120Z-CN	(4 buffer with 12 threads)
	ADSS-09G652096-SJ120Z-CN	(8 buffer with 12 threads)
	ADSS-09G652144-SJ120Z-CN	(12 buffer with 12 threads)
Loose tube - Outer diameter (mm)	Loose tube - Diameter	
	ADSS-09G652006-SJ120Z-CN	1.9 ± 0.1 mm
	ADSS-09G652012-SJ120Z-CN	1.9 ± 0.1 mm
	ADSS-09G652024-SJ120Z-CN	1.9 ± 0.1 mm
	ADSS-09G652048-SJ120Z-CN	2.15 ± 0.1 mm
	ADSS-09G652096-SJ120Z-CN	2.15 ± 0.1 mm
	ADSS-09G652144-SJ120Z-CN	2.15 ± 0.1 mm
Central member structure (CSM)	Glass Fiber Reinforced Plastic rod (GFRP)	
	ADSS-09G652006-SJ120Z-CN	2 ± 0.10 mm
	ADSS-09G652012-SJ120Z-CN	2 ± 0.10 mm
	ADSS-09G652024-SJ120Z-CN	2 ± 0.10 mm
	ADSS-09G652048-SJ120Z-CN	2.3 ± 0.10 mm
	ADSS-09G652096-SJ120Z-CN	3.5 ± 0.10 mm
	ADSS-09G652144-SJ120Z-CN	6.4 ± 0.10 mm
Configuration of the internal cable structure	SZ Braided, Thermoplastic Cylinders	
Outer Sheath	Thickness (mm)	1.8 ± 0.1 mm

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ADSS Optic Cable G652 9/125 – Single Jacket/ 120 meter-span



Tube Structure	Material	Colors of tubes PTB
Cable Diameter (mm)cable OD)	ADSS-09G652006-SJ120Z-CN	9.6 ± .45 mm
	ADSS-09G652012-SJ120Z-CN	9.6 ± .45 mm
	ADSS-09G652024-SJ120Z-CN	9.6 ± .45 mm
	ADSS-09G652048-SJ120Z-CN	10.6 ± .45 mm
	ADSS-09G652096-SJ120Z-CN	11.7 ± .45 mm
	ADSS-09G652144-SJ120Z-CN	14.7 ± .45 mm
Ripcord	2 Nos. below armor	
Water Blocking Material	Core wrapping	Water blocking tape
	Water blocking media	Water Swellable Yarn Over CSM
Color code	TIA 598 D Standard: Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose (Pink), Aqua	
Cable breaking strength(RTS)≥	ADSS-09G652006-SJ120Z-CN	4828N
	ADSS-09G652012-SJ120Z-CN	4828N
	ADSS-09G652024-SJ120Z-CN	4828N
	ADSS-09G652048-SJ120Z-CN	6608N
	ADSS-09G652096-SJ120Z-CN	10943N
	ADSS-09G652144-SJ120Z-CN	11865N
Temperature range (IEC 60794-1-F1)	Operation	-20° to +65°C
	Installed	-20° to +65°C
	Storage and Shipping	-20° to +65°C
Tube filling compound	Water Blocking & Moisture Proof Thyrotrophic gel	
Filler	PP Diameter same as tube	

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ADSS Optic Cable G652 9/125 – Single Jacket/ 120 meter-span

Water blocking tape	0.28mm thickness	
Working Tension (MAT)	ADSS-09G652006-SJ120Z-CN	1931N
	ADSS-09G652012-SJ120Z-CN	1931N
	ADSS-09G652024-SJ120Z-CN	1931N
	ADSS-09G652048-SJ120Z-CN	2643N
	ADSS-09G652096-SJ120Z-CN	4377N
	ADSS-09G652144-SJ120Z-CN	4746N
Dielectric Strength Members	Aramid Yarns 1670Dtex	
Drum length x Km	ADSS-09G652006-SJ120Z-CN	4 Km $\pm$ 5%
	ADSS-09G652012-SJ120Z-CN	4 Km $\pm$ 5%
	ADSS-09G652024-SJ120Z-CN	4 Km $\pm$ 5%
	ADSS-09G652048-SJ120Z-CN	4 Km $\pm$ 5%
	ADSS-09G652096-SJ120Z-CN	3 Km $\pm$ 5%
	ADSS-09G652144-SJ120Z-CN	2 Km $\pm$ 5%
Cable SPAN	120 Mt. SPAN	
GW/Reel	ADSS-09G652006-SJ120Z-CN	337 Kg
	ADSS-09G652012-SJ120Z-CN	337 Kg
	ADSS-09G652024-SJ120Z-CN	337 Kg
	ADSS-09G652048-SJ120Z-CN	376 Kg
	ADSS-09G652096-SJ120Z-CN	361 Kg
	ADSS-09G652144-SJ120Z-CN	322 Kg
Climate Condition	No Ice, 25m/s Max Wind Speed	
Repeated bending IEC 60794-1-2-E6	25 Cycle, $r = 20 \times D$, 5 Kg, D = Cable Diameter	

Bending radius IEC 60794-1-E11	Load:5000 N	Loss change 0.1 dB @1550 nm	
	Length of cable under load:50m	No fiber break and no sheath damage.	
Crush Test IEC 60794-1-E3	Load: 3000 N/100mm	Loss change 0.1 dB @1550 nm	
	Load time: ≥1min	No fiber break and no sheath damage.	
Impact Test IEC 60794-1-E4	Points of impact: 5	Loss change 0.1 dB @1550 nm	
	Times of per point: 5		
	Impact energy: 4.5Nm		
	Radius of hammer head:12.5mm	No fiber break and no sheath damage.	
	Impact rate: 2sec/cycle		
Repeated Bending IEC 60794-1-E6	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		
Torsion IEC 60794-1-E7	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		
Compound Flow IEC 60794-1-E14	Sample length: 30 cm	No compound flow	
	Temp: 70°C 2°C		
	Time: 24 hours		