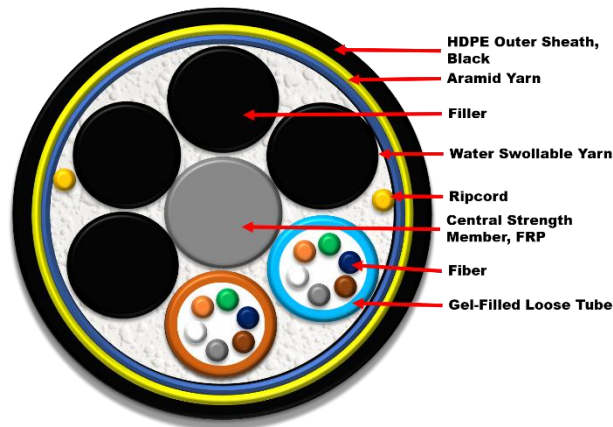


ADSS-09G652XXX-SJ100-IN



All-media Self-supporting, Span 100m, MDPE Single Sheath, 06 - 144 Fiber (G652D), Multi Loose Tube Design, ADSS Optical Cable



PREMIUM- ADSS Optic Cable G652 9/125 XXXFO - Single Jacket/ 100mt Span - Per Kilometer. Our premium, self-supporting optical fiber cable is available in 06, 12, 24, 48, 96, and 144 fiber yarn count.

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 (*1)
	1500nm < 0.23 dB/Km (*1)
Point discontinuity	≤ 0.05 dB
Diameter of modal field	Nominal range: 9.2 μm Tolerance: ± 0.4 μm
Cladding diameter (nominal)	125 μm ± 0,7 μm
Primary coating diameter	245 ± 10 μm
PMD coefficient (Polarization Mode Dispersion)	Maximum: 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-SJ100-IN (1 buffer with 6 threads)
	ADSS-09G652012-SJ100-IN (2 buffer with 6 threads)
	ADSS-09G652024-SJ100-IN (4 buffer with 6 threads)

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	ADSS-09G652048-SJ100-IN	(4 buffer with 12 threads)
	ADSS-09G652096-SJ100-IN	(8 buffer with 12 threads)
	ADSS-09G652144-SJ100-IN	(12 buffer with 12 threads)
Loose tube - Outer diameter (mm)	Loose tube - Diameter	
	ADSS-09G652006-SJ100-IN	2.1 ± 0.1 mm
	ADSS-09G652012-SJ100-IN	2.1 ± 0.1 mm
	ADSS-09G652024-SJ100-IN	2.1 ± 0.1 mm
	ADSS-09G652048-SJ100-IN	2.1 ± 0.1 mm
	ADSS-09G652096-SJ100-IN	2.1 ± 0.1 mm
	ADSS-09G652144-SJ100-IN	2.1 ± 0.1 mm
Central member structure (mm)	Glass Fiber Reinforced Plastic rod (GFRP)	
	ADSS-09G652006-SJ100-IN	1.7 ± 0.10 mm
	ADSS-09G652012-SJ100-IN	1.7 ± 0.10 mm
	ADSS-09G652024-SJ100-IN	1.7 ± 0.10 mm
	ADSS-09G652048-SJ100-IN	1.7 ± 0.10 mm
	ADSS-09G652096-SJ100-IN	1.7 ± 0.10 mm
	ADSS-09G652144-SJ100-IN	3.5 ± 0.20 mm
Outer Sheath Thickness (mm)	1.6 ± 0.1 mm	
Central member structure	fiberglass-reinforced plastic (FRP).	
Configuration of the internal cable structure	SZ Braided, Thermoplastic Cylinders	
Tube filling compound	Water Blocking & Moisture Proof Thyrotrophic gel	
Filler	PP Diameter same as tube	
Water blocking tape	0.28mm thickness	

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Binder	2 wires Polyester Yarns Cable core binding	
Ripcords	2 wires	
Dielectric Strength Members	Aramid Yarns	
Bending radius IEC 60794-1-E11	ADSS-09G652006-SJ100-IN	196 mm
	ADSS-09G652012-SJ100-IN	196 mm
	ADSS-09G652024-SJ100-IN	196 mm
	ADSS-09G652048-SJ100-IN	196 mm
	ADSS-09G652096-SJ100-IN	228 mm
	ADSS-09G652144-SJ100-IN	280 mm
Cable Bending Radius (IEC 60794-1-2-E11A)	Installation (Full Load)	20 x D, D = Cable Diameter
	Installed (No Load)	15 x D, D = Cable Diameter
Cable Diameter (mm)cable OD)	ADSS-09G652006-SJ100-IN	10 ± 0.5 mm
	ADSS-09G652012-SJ100-IN	10 ± 0.5 mm
	ADSS-09G652024-SJ100-IN	10 ± 0.5 mm
	ADSS-09G652048-SJ100-IN	10 ± 0.5 mm
	ADSS-09G652096-SJ100-IN	12.5 ± 0.6 mm
	ADSS-09G652144-SJ100-IN	14.4 ± 0.7 mm
Drum length x Km	2Km/4 Km ± 5%	
Cable weight cable weight (kg / km)	6F-12F	70 ± 10 kg/km
	24F	70 ± 10 kg/km
	48F	70 ± 10 kg/km
	96F	109 ± 10 kg/km
	144F	158 ± 10 kg/km
Torsion Resistance IEC 60794-1-E7	10 Cycle (± 180°) 5 Kg Weight, L= 2 Meters	

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All-media Self-supporting, Span 100m, MDPE Single Sheath, 06 - 144 Fiber (G652D), Multi Loose Tube Design, ADSS Optical Cable

Kink Resistance (IEC 60794-1-2-E10)	10 x D, D = Cable Diameter	
Repeated Bending (IEC 60794-1-2-E6)	30 Cycle, r= 20 X D, 10 Kg Load, D = Cable Diameter	
Temperature range (IEC 60794-1-F1)	Operation	-30° to +70°C
	Installed	-30° to +70°C
	Storage and Shipping	-30° to +70°C
Tensile Force (IEC 60794-1-2-E1)	Short Term	2700 N
	Long Term	1800 N
Cable SPAN	80 Mt. SPAN	
Crush Resistance (IEC 60794-1-2-E3)	2000 N (100 X 100 mm) for 60 sec	
Bending radius IEC 60794-1-E11	ADSS-09G652006-SJ100-IN	196 mm
	ADSS-09G652012-SJ100-IN	196 mm
	ADSS-09G652024-SJ100-IN	196 mm
	ADSS-09G652048-SJ100-IN	196 mm
	ADSS-09G652096-SJ100-IN	228 mm
	ADSS-09G652144-SJ100-IN	280 mm
Cable Bending Radius (IEC 60794-1-2-E11A)	Installation (Full Load)	20 x D, D = Cable Diameter
	Installed (No Load)	15 x D, D = Cable Diameter
Cable Diameter (mm)cable OD)	ADSS-09G652006-SJ100-IN	10 ± 0.5 mm
	ADSS-09G652012-SJ100-IN	10 ± 0.5 mm
	ADSS-09G652024-SJ100-IN	10 ± 0.5 mm
	ADSS-09G652048-SJ100-IN	10 ± 0.5 mm
	ADSS-09G652096-SJ100-IN	12.5 ± 0.6 mm
	ADSS-09G652144-SJ100-IN	14.4 ± 0.7 mm

ADSS-09G652XXX-SJ100-IN



All-media Self-supporting, Span 100m, MDPE Single Sheath, 06 - 144 Fiber (G652D), Multi Loose Tube Design, ADSS Optical Cable

Drum length x Km	2Km/4 Km ± 5%	
Cable weight cable weight (kg / km)	6F-12F	70 ± 10 kg/km
	24F	70 ± 10 kg/km
	48F	70 ± 10 kg/km
	96F	109 ± 10 kg/km
	144F	158 ± 10 kg/km
Torsion Resistance IEC 60794-1-E7	10 Cycle (± 180°) 5 Kg Weight, L= 2 Meters	
Kink Resistance (IEC 60794-1-2-E10)	10 x D, D = Cable Diameter	
Repeated Bending (IEC 60794-1-2-E6)	30 Cycle, r= 20 X D, 10 Kg Load, D = Cable Diameter	
Temperature range (IEC 60794-1-F1)	Operation	-30° to +70°C
	Installed	-30° to +70°C
	Storage and Shipping	-30° to +70°C
Tensile Force (IEC 60794-1-2-E1)	Short Term	2700 N
	Long Term	1800 N
Cable SPAN	80 Mt. SPAN	
Crush Resistance (IEC 60794-1-2-E3)	2000 N (100 X 100 mm) for 60 sec	
Cable breaking strength (RTS)	ADSS-09G652006-SJ100-IN	3700N
	ADSS-09G652012-SJ100-IN	3700N
	ADSS-09G652024-SJ100-IN	3700N
	ADSS-09G652048-SJ100-IN	3700N
	ADSS-09G652096-SJ100-IN	5700N
	ADSS-09G652144-SJ100-IN	8400N
Impact strength IEC 60794-1-2-E4	Height 500 mm, Weight = 5 Kg, 3 Nos	
Working Tension (MAT)	ADSS-09G652006-SJ100-IN	2800N
	ADSS-09G652012-SJ100-IN	2800N

ADSS-09G652XXX-SJ100-IN



All-media Self-supporting, Span 100m, MDPE Single Sheath, 06 - 144 Fiber (G652D), Multi Loose Tube Design, ADSS Optical Cable

	ADSS-09G652024-SJ100-IN	2800N
	ADSS-09G652048-SJ100-IN	2800N
	ADSS-09G652096-SJ100-IN	3700N
	ADSS-09G652144-SJ100-IN	5900N
Water Penetration IEC 60794-1-2-F5	1 Meter Water Head, 3 Meter Cable Sample, 24 Hours	
Color of tubes - Standard Tia 598D	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose (Pink), Aqua	

COLOR CODING: Colors of Loose Tubes											
04	Blue	with 4 Nos PE Filler									
06	Blue	with 4 Nos PE Filler									
08	Blue	with 4 Nos PE Filler									
12	Blue	Orange	with 3 Nos PE Filler								
24	Blue	Orange	Green	Brown	with 1 Nos PE Filler						
48	Blue	Orange	Green	Brown	with 1 Nos PE Filler						
96	Blue	Orange	Green	Brown	Slate	White	Red	Black	White	White	White
144	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose (Pink)

COLOR CODING: Colors of Fibers in a Tube											
4F	Blue	Orange	Green	Brown	White						
8F	Blue	Orange	Green	Brown	Slate	White	Red	Black	White		
12F	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose (Pink)

(*1) The Constructed Cable Loss in The Reel May Be Higher Than the Fiber Loss