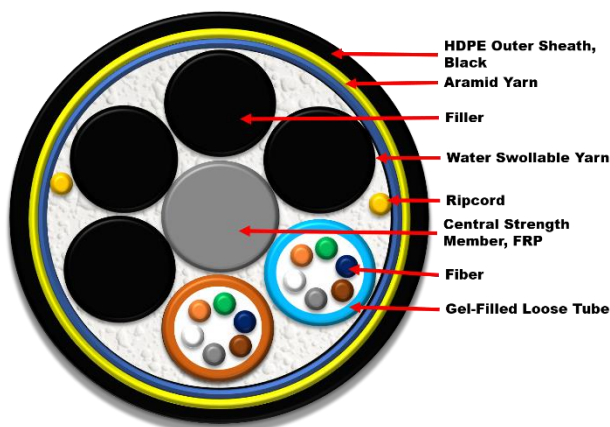


ADSS-09G652XXX-SJ100-IN

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)

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-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	

ADSS-09G652XXX-SJ100-IN



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

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	

ADSS-09G652XXX-SJ100-IN



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	100 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 $\pm$ 5%	
Cable weight cable weight (kg / km)	6F-12F	70 $\pm$ 10 kg/km
	24F	70 $\pm$ 10 kg/km
	48F	70 $\pm$ 10 kg/km
	96F	109 $\pm$ 10 kg/km
	144F	158 $\pm$ 10 kg/km
Torsion Resistance IEC 60794-1-E7	10 Cycle ($\pm$ 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	100 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	Yellow	Violet	Rose (Pink)
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							
8F	Blue	Orange	Green	Brown	Slate		Red	Black			
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