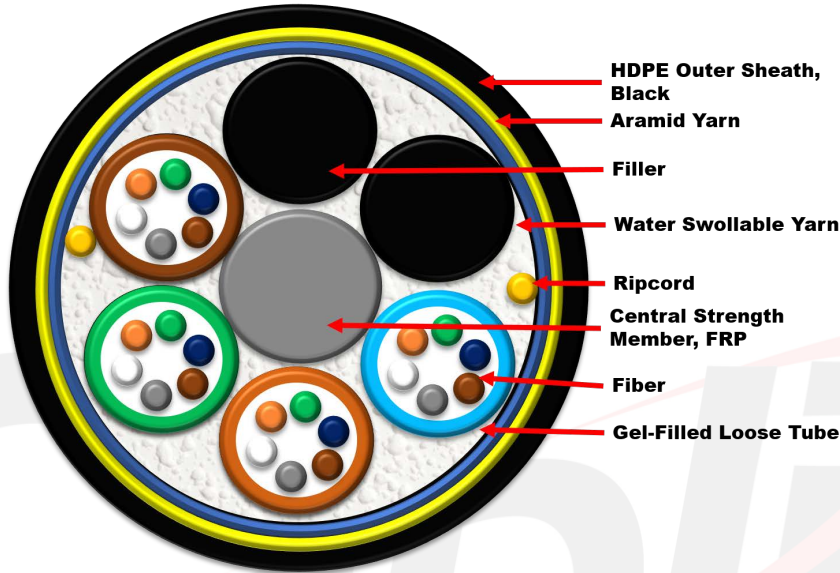


ADSS-09G652XXX-SJ120-IN

ADSS Optic Cable G652 9/125 Single Jacket/ 120 mt Span
FRP central strength member for Outdoor Application
July 2022



ADSS-09G652XXX-SJ120-IN, Optical Fiber Cable with FRP central strength member for Outdoor Application - 06 - 144 Fiber

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	< 0.22 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/v km	

TECHNICAL PROPERTIES

External covering material	HDPE	
Outer jacket color	Black	
Jacket protection	UV resistant	
Internal cable structure - Loose tube	ADSS-09G652006-SJ120-IN	(1 buffer with 6 threads)
	ADSS-09G652012-SJ120-IN	(2 buffer with 6 threads)
	ADSS-09G652024-SJ120-IN	(4 buffer with 6 threads)
	ADSS-09G652048-SJ120-IN	(4 buffer with 12 threads)
	ADSS-09G652096-SJ120-IN	(8 buffer with 12 threads)
	ADSS-09G652144-SJ120-IN	(12 buffer with 12 threads)



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Loose tube - Outer diameter (mm)	Loose tube - Diameter	
	ADSS-09G652006-SJ120-IN	2.1 ± 0.1 mm
	ADSS-09G652012-SJ120-IN	2.1 ± 0.1 mm
	ADSS-09G652024-SJ120-IN	2.1 ± 0.1 mm
	ADSS-09G652048-SJ120-IN	2.1 ± 0.1 mm
	ADSS-09G652096-SJ120-IN	2.1 ± 0.1 mm
Central member structure (mm)	Glass Fiber Reinforced Plasticrod (GFRP)	
	ADSS-09G652006-SJ120-IN	2.2 ± 0.10 mm
	ADSS-09G652012-SJ120-IN	2.2 ± 0.10 mm
	ADSS-09G652024-SJ120-IN	2.2 ± 0.10 mm
	ADSS-09G652048-SJ120-IN	2.2 ± 0.10 mm
	ADSS-09G652096-SJ120-IN	2.7 ± 0.10 mm
ADSS-09G652144-SJ120-IN	3.0 ± 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	
Binder	2 wires Polyester Yarns Cable core binding	
Ripcords	2 wires	
Dielectric Strength Members	Aramid Yarns	
Cable Bending Radius (mm) - IEC 60794-1-2-E11 A & B	ADSS-09G652006-SJ120-IN	200 mm
	ADSS-09G652012-SJ120-IN	200 mm
	ADSS-09G652024-SJ120-IN	230 mm
	ADSS-09G652048-SJ120-IN	230 mm
	ADSS-09G652096-SJ120-IN	280 mm
	ADSS-09G652144-SJ120-IN	280 mm



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Crush Resistance (N/10cm) - IEC 60794-1-E3	2000 N/10Cm	
Cable Diameter (mm)cable OD)	ADSS-09G652006-SJ120-IN	10 ± 0.5 mm
	ADSS-09G652012-SJ120-IN	10 ± 0.5 mm
	ADSS-09G652024-SJ120-IN	10 ± 0.5 mm
	ADSS-09G652048-SJ120-IN	10 ± 0.5 mm
	ADSS-09G652096-SJ120-IN	11.5 ± 0.6 mm
	ADSS-09G652144-SJ120-IN	14 ± 0.7 mm
Water Penetration IEC 60794-1-2-F5	1 Mtr Water Head, 3 Meter Cable Sample, 24 Hours	
Kink Resistance (mm) - IEC 60794-1-2-E10	ADSS-09G652006-SJ120-IN	100 mm
	ADSS-09G652012-SJ120-IN	100 mm
	ADSS-09G652024-SJ120-IN	115 mm
	ADSS-09G652048-SJ120-IN	115 mm
	ADSS-09G652096-SJ120-IN	140 mm
	ADSS-09G652144-SJ120-IN	140 mm
Drum length x Km	2Km/4 Km ± 5%	
Cable weight cable weight (kg / km)	6F-12F	75 kg/km
	24F	75 kg/km
	48F	75 kg/km
	96F	75 kg/km
	144F	148 kg/km
Maximum Rated Load (N) - IEC 60794-1-2-E1	ADSS-09G652006-SJ120-IN	2000N
	ADSS-09G652012-SJ120-IN	2000N
	ADSS-09G652024-SJ120-IN	2500N
	ADSS-09G652048-SJ120-IN	2500N
	ADSS-09G652096-SJ120-IN	3500N
	ADSS-09G652144-SJ120-IN	3500N
Torsion Resistance IEC 60794-1-E7	10 Cycle (± 180°) with 100N weight, L= 1Mtr	
Temperature range (IEC 60794-1-F1)	Operation	-40° to +70°C
	Installed	-10° to +60°C
	Storage and Shipping	-40° to +70°C



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Cable SPAN	1200 Mt. SPAN	
Cable breaking strength(RTS)	ADSS-09G652006-SJ120-IN	4900N
	ADSS-09G652012-SJ120-IN	4900N
	ADSS-09G652024-SJ120-IN	4900N
	ADSS-09G652048-SJ120-IN	4900N
	ADSS-09G652096-SJ120-IN	6000N
	ADSS-09G652144-SJ120-IN	7600N
Impact strength IEC 60794-1-2-E4	5 Nm	
Working Tension (MAT)	ADSS-09G652006-SJ120-IN	3600N
	ADSS-09G652012-SJ120-IN	3600N
	ADSS-09G652024-SJ120-IN	3600N
	ADSS-09G652048-SJ120-IN	3600N
	ADSS-09G652096-SJ120-IN	4300N
	ADSS-09G652144-SJ120-IN	5200N

(*1) The Constructed Cable Loss At The Reel May Be Higher than The Fiber Loss

Color Fiber											
1	2	3	4	5	6	7	8	9	10	11	12
Buffer Tube Color											
1	2	3	4	5	6	7	8				

APPLICATIONS

FTTH access network / Telecommunication Networks / CATV Networks / Data communications Networks / Local Area Networks



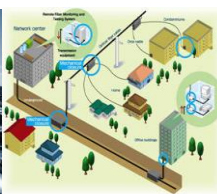
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