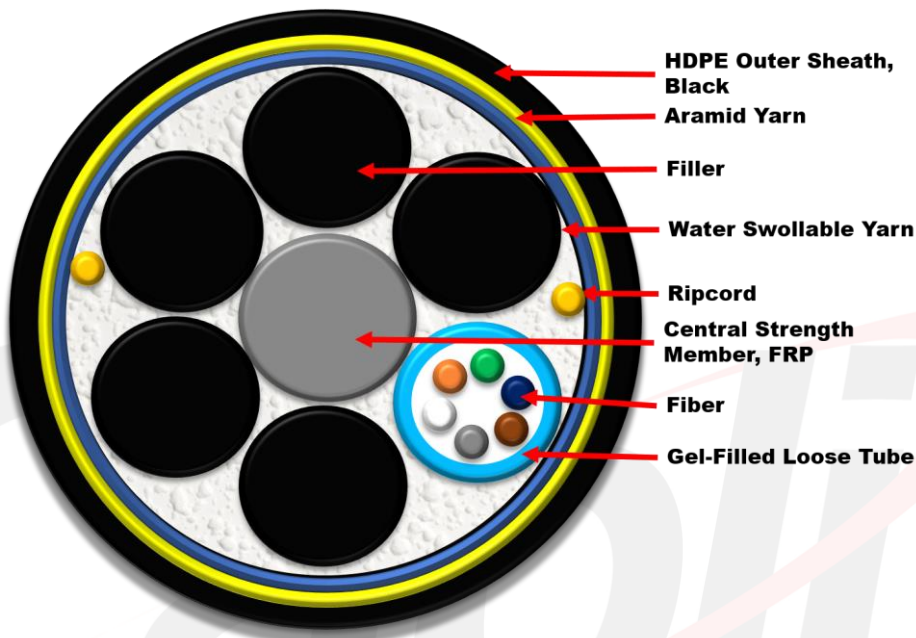


ADSS-09G652XXX-SJ150-IN

All-media Self-supporting, MDPE Single Sheath, (G652D), Multi Loose Tube Design, ADSS Optical Cable
July 2022



- HDPE Outer Sheath, Black
- Aramid Yarn
- Filler
- Water Swollable Yarn
- Ripcord
- Central Strength Member, FRP
- Fiber
- Gel-Filled Loose Tube

All dielectric self supporting aerial optic cable containing up to 144 LWP-SMF in full compliance with ITU-T G 652D. The offered cables are fully compliant to the relevant IEC specifications.

CABLE DESIGN

- Up to 144 enhance low water peak single mode fibers in full compliance with ITU-T-G652D
- Non-metallic and anti-buckling element FRP rod used as Central Strength Member
- Loose buffer tubes fully filled
- Loose buffer tubes S-Z Stranded
- S-Z core is dry type filled with water swellable yarn & tape
- High Modulus, Aramid yarn as peripheral strength member
- UV Stabilized, PE Outer sheath, black

APPLICATION

- Single layer stranded construction
- Offers exceptional strength and corrosion resistance for aerial application
- Flexible buffer tubes provide easy fiber routing inside closure
- All dielectric ant rodent construction

Fiber/Tube Identification/

Buffer Tube Color





ADSS-09G652XXX-SJ150-IN

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CABLE PHYSICAL CHARACTERISTICS

Fibre Count	6	12	24	48	96	144
Number of Fibres in Each Micro Modules	6	12				
Number of Buffer Tubes in each cable	1+5	1+5	2+4	4+2	8	12
Cable Diameter (mm)	10.3	10.3	10.3	10.4	12.8	15.0
Tolerance ± (mm)	0.5	0.5	0.5	0.5	0.5	0.5
Nominal Cable Weight (kg/km)	80	80	80	85	115	175
Standard Length (meters)	4000 ± 5%					

CABLE MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Test	Standard	Product Performance												
Temperature Range (°C)	[IEC 60794-1-2-F1]	Operation: -40 °C to +70 °C, Installation: -5 °C to +45 °C & Storage: -40 °C to +70 °C												
Cable Bending Radius (mm)	[IEC 60794-1-2-E11 A & B]	206	206	208	256	256	300							
Kink Resistance (mm)	[IEC 60794-1-2-E10]	103	103	104	128	128	150							
Tensile Force (N)	[IEC 60794-1-2-E1]	3200	3200	3200	3200	3900	4500							
Impact Resistance (Nm)	[IEC 60794-1-2-E4]	5	5	5	5	5	5							
Crush Resistance (N)	[IEC 60794-1-2-E3]	2000	2000	2000	2000	2000	2000							
Torsion Resistance	[IEC 60794-1-2-E7]	10 Cycle, ± 180°, L=100N												
Water Penetration	[IEC 60794-1-2-F5 B]	1 Meter Water Head, 3 Meters Cable Sample, 168 Hours												
Note: After the Test, Change in Attenuation shall be ≤ 0.05 dB/Km. No Fibre Break & Damage or Crack on the Cable														

CABLE TRANSMISSION CHARACTERISTICS

Fibre Type	Attenuation Coefficient (dB/Km)	PMD				Cable Cut-Off	MFD		
		850	1300	1310	1550			ps/sqrt.km	nm
Single Mode	G.652D	-	-	≤ 0.36	≤ 0.23	(*1)	≤ 0.2	≤ 1260	9.2 ± 0.4
Single Mode	G.657A1	-	-	≤ 0.36	≤ 0.23	(*1)	≤ 0.2	≤ 1260	8.8 ± 0.4
Multi Mode	50 micron								

APPLICATIONS

(*1) The Constructed Cable Loss In A Reel May Be Higher Than Fiber Loss

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



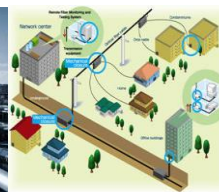
STREET



HOSPITAL



INDUSTRIES



FTTH



OTHERS