

## ADSS (Optical Fiber Cables)

**Multi-Tube Dielectric UA Cable** : Up to 144F

**Multi-Tube ADSS Double Sheath UA Cable** : Up to 144F

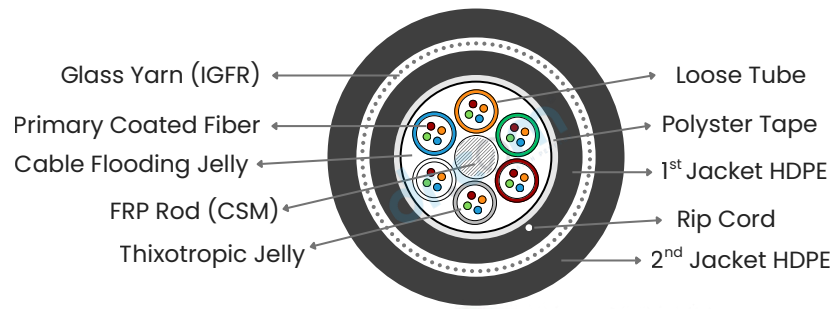
**Multi-Tube ADSS Single Sheath UA Cable** : Up to 144F

### Key Features

- **All-dielectric construction** with non-metallic components, making the cables suitable for aerial installation near power lines.
- **Loose tube design with thixotropic jelly filling** to protect optical fibers from moisture and mechanical stress.
- **FRP (Fiber Reinforced Plastic) central strength member** providing high tensile strength and structural stability.
- **Aramid yarn reinforcement** to enhance tensile performance for aerial deployments.
- **UV-stabilized HDPE outer sheath** ensuring durability and protection against environmental exposure.



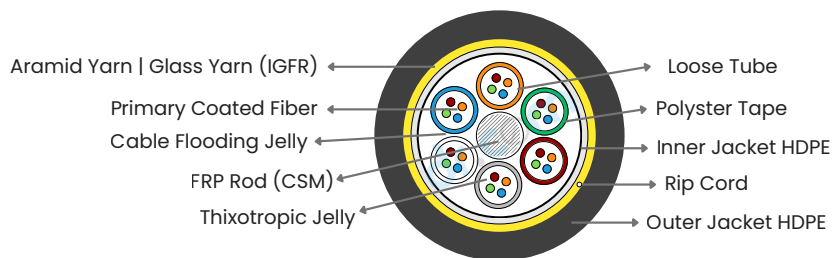
# MULTI-TUBE DIELECTRIC UA CABLE



## Specification

Cable Type	Multi-tube dielectric unarmoured aerial cable				
Reference Standard	IEC 60794, IEC 60793, ITU-T G.652, G.655, G.657				
FRP	1				
Yarn	Glass Yarn (IGFR)				
Fiber Capacity	Up to 144 Fibers				
Central Strength Member	Non-metallic FRP rod				
Tube Construction	Loose tubes with optical fibers				
Tube Filling	Thixotropic jelly filled tubes				
Core Filling	Flooding jelly filled core				
Core Wrapping	S/Z stranded tubes wrapped with polyester tape				
Jacket	1 <sup>st</sup> Jacket - UV stabilized LSZH   HDPE 2 <sup>nd</sup> Jacket - UV stabilized HDPE				
Key Applications	Distribution networks, local loop, broadband networks				
Temperature (Operating)	-30°C to +70°C				
Installation Temperature	-20°C to +70°C				
Special Characteristics	Non-metallic design, lightweight				
Technical Data	Fiber Count	Upto 36F	48F-72F	96F	144F
	Outer Diameter	13.2mm ± 1.0mm	14.7mm ± 1.0mm	16.1mm ± 1.0mm	19.2mm ± 1.0mm
	Weight (kg/km)	145 kg ± 10%	178 kg ± 10%	210 kg ± 10%	293 kg ± 10%
Tensile Strength (N)	Temporary	6000	6000	6000	6000
	Permanent	3000	3000	3000	3000
Bending Radius	Temporary	15D	15D	15D	15D
	Permanent	20D	20D	20D	20D
Physical Properties	Cable length	2 km & above			
	Packing	Drum			
Printing Details	Available in Standard or Customised Printing Options				

# MULTI-TUBE ADSS SINGLE SHEATH UA CABLE

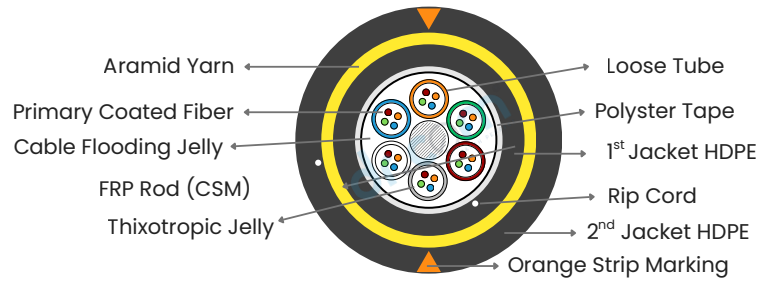


## Specification

Cable Type	Multi-tube ADSS single sheath aerial cable			
Reference Standard	IEC 60794, IEC 60793, ITU-T G.652, G.655, G.657			
FRP	1			
Yarn	Glass Yarn (IGFR)   Aramid Yarn			
Fiber Capacity	6F – 144F			
Central Strength Member	Non-metallic anti-buckling FRP rod			
Tube Construction	Loose tubes with optical fibers			
Tube Filling	Thixotropic jelly filled tubes			
Core Filling	Flooding jelly filled core			
Core Wrapping	S/Z stranded tubes wrapped with polyester tape			
Jacket	UV stabilized LSZH   HDPE			
Key Applications	Distribution networks, local loop, broadband networks			
Temperature (Operating)	-30°C to +70°C			
Installation Temperature	-20°C to +70°C			
Special Characteristics	Lightweight and flexible design			
Technical Data	Fiber Count	Upto 72F	96F	144F
	Outer Diameter	10.5mm ± 1.0mm	12mm ± 1.0mm	15mm ± 1.0mm
	Weight (kg/km)	100 kg ± 10%	130 kg ± 10%	144 kg ± 10%
Tensile Strength (N)	Temporary	5000	5000	5000
	Permanent	2500	2500	2500
Bending Radius	Temporary	15D	15D	15D
	Permanent	20D	20D	20D
Physical Properties	Cable length	2 km & above		
	Packing	Drum		
Printing Details	Available in Standard or Customised Printing Options			

# MULTI-TUBE ADSS

## DOUBLE SHEATH UA CABLE



### Specification

Cable Type	Multi-tube ADSS double sheath aerial cable				
Reference Standard	IEC 60794, IEC 60793, ITU-T G.652, G.655, G.657				
FRP	1				
Yarn	Aramid yarn				
Fiber Capacity	6F – 144F				
Central Strength Member	Non-metallic anti-buckling FRP rod				
Tube Construction	Loose tubes with optical fibers				
Tube Filling	Thixotropic jelly filled tubes				
Core Filling	Flooding jelly filled core				
Core Wrapping	S/Z stranded tubes wrapped with polyester tape				
Jacket	1 <sup>st</sup> Jacket - UV stabilized LSZH   HDPE 2 <sup>nd</sup> Jacket - UV stabilized HDPE				
Key Applications	Short to medium span aerial networks				
Temperature (Operating)	-30°C to +70°C				
Installation Temperature	-20°C to +70°C				
Special Characteristics	Double sheath for higher mechanical protection				
Technical Data	Fiber Count	Upto 36F	48F-72F	96F	144F
	Outer Diameter	12.8mm ± 1.0mm	13.4mm ± 1.0mm	14.8mm ± 1.0mm	18mm ± 1.0mm
	Weight (kg/km)	140 kg ± 10%	150 kg ± 10%	180 kg ± 10%	255 kg ± 10%
Tensile Strength (N)	Temporary	5000	5000	5000	5000
	Permanent	2500	2500	2500	2500
Bending Radius	Temporary	15D	15D	15D	15D
	Permanent	20D	20D	20D	20D
Physical Properties	Cable length	2 km & above			
	Packing	Drum			
Printing Details	Available in Standard or Customised Printing Options				

## Fiber Transmission Performance

Parameters	Multimode				Single Mode
	62.5	50	50	50	9
Fiber Core Diameter	62.5	50	50	50	9
fiber Category	OM1	OM2	OM3	OM4	G.652D
Wavelengths(nm)	850   1300	850   1300	850   1300	850   1300	1310   150   1625
Maximum Attenuation (db/km)	3.5   1.5	3.0   1.0	3.0   1.0	3.0   1.0	0.36   0.23   0.26
Bandwidth (MHz*km) 850/1300	200   500	500   500	1500   500	3500   500	NA

### Manufacturing Units

Plot No. 67 & 70, Damanganga Industrial Park-II, New Survey  
 No 3377 & 3380, Old Survey No 399/3/P, 1, Village - Dungra,  
 Taluka - Vapi (Pardi), Valsad, Gujarat - 396191.

### Toll Free

1800-267-3866

### Email

[info@dr-com.in](mailto:info@dr-com.in)