

## FIGURE 8 (Optical Fiber Cables)

**Uni-tube Figure-8 Aerial Cable:** Up to 12F

**Multi-tube Figure-8 Aerial Cable:** Up to 144F

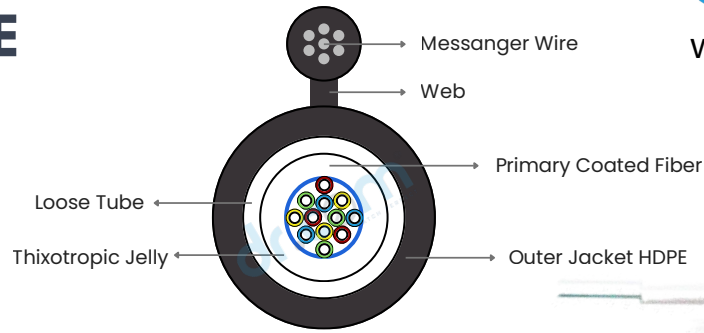
### Key Features

- **Self-Supporting Design:** Integrated messenger wire eliminates the need for additional support structures.
- **Ideal for Aerial Installation:** Designed for overhead deployment across poles and long spans.
- **High Tensile Strength:** Steel messenger provides excellent load-bearing capacity during installation and operation.
- **Suitable for Long-Distance Networks:** Ensures reliable performance over extended aerial routes.
- **Weather Resistant Construction:** UV stabilized sheath protects against harsh environmental conditions.
- **Stable Signal Transmission:** Maintains consistent optical performance in outdoor environments.



\*Images are for representation purpose only.

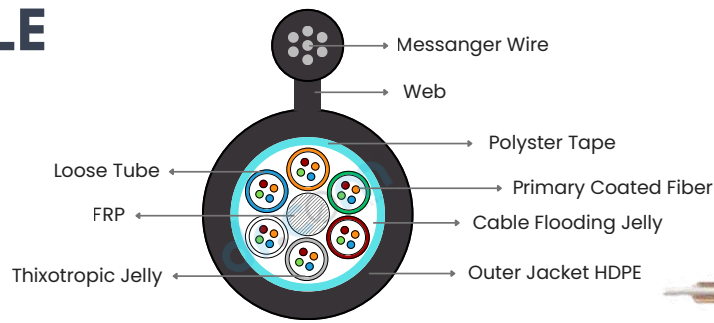
# UNI-TUBE FIGURE-8 AERIAL CABLE



## Specification

Cable Type	Uni-tube Figure-8 Aerial Cable		
Reference Standard	IEC 60794, ITU-T G.652D, G.657A1		
FRP	NA		
Yarn	NA		
Fiber Capacity	Up to 24 Fibers		
Structure	Figure-8 Configuration with Integrated Messenger		
Tube Construction	Loose Tube (Gel Filled)		
Tube Filling	Waterproof Jelly Filled Tube		
Core Filling	Dry Core / Water Blocking Elements		
Core Wrapping	Water Blocking Tape / Polyester Tape		
Jacket	UV Stabilized HDPE (Black)		
Key Applications	Aerial installation, telecom networks, long-distance backbone		
Fiber Types Supported	SM: G.652D, G.657; MM: OM1, OM2, OM3, OM4		
Temperature (Operating)	-30°C to +70°C		
Installation Temperature	-20°C to +70°C		
Special Characteristics	Self-supporting, high tensile strength, suitable for aerial spans		
Technical Data	Fiber Count	2F - 12F	24F
	Outer Diameter	6.4mm ± 0.20mm	7.4mm ± 0.20mm
	Weight (kg/km)	87 kg ± 10%	98 kg ± 10%
Tensile Strength (N)	Temporary	2500	1250
	Permanent	2500	1250
Bending Radius	Temporary	15D	15D
	Permanent	20D	20D
Physical Properties	Cable length	2 km & above	
	Packing	Drum	
Printing Details	Available in Standard or Customised Printing Options		

# MULTI-TUBE FIGURE-8 AERIAL CABLE



## Specification

Cable Type	Multi-tube Figure-8 Aerial Cable				
Reference Standard	IEC 60794, ITU-T G.652D, G.657A1				
FRP	1				
Yarn	NA				
Fiber Capacity	Up to 144 Fibers				
Structure	Figure-8 Configuration with Integrated Messenger				
Tube Construction	Loose Tube (Gel Filled)				
Tube Filling	Waterproof Jelly Filled Tube				
Core Filling	Dry Core / Water Blocking Elements				
Core Wrapping	Water Blocking Tape / Polyester Tape				
Jacket	UV Stabilized HDPE (Black)				
Key Applications	Aerial installation, telecom networks, long-distance backbone				
Fiber Types Supported	SM: G.652D, G.657; MM: OM1, OM2, OM3, OM4				
Temperature (Operating)	-30°C to +70°C				
Installation Temperature	-20°C to +70°C				
Special Characteristics	Self-supporting, high tensile strength, suitable for aerial spans				
Technical Data	Fiber Count	Up to 36F	48F - 72F	96F	144F
	Outer Diameter	9.7 mm ± 0.20mm	11.2 mm ± 0.25mm	12.6 mm ± 0.20mm	15.7 mm ± 0.20mm
	Weight (kg/km)	135 kg ± 10%	163 kg ± 10%	197 kg ± 10%	258 kg ± 10%
Tensile Strength (N)	Temporary	5000	5000	5000	5000
	Permanent	2500	α2500	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

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