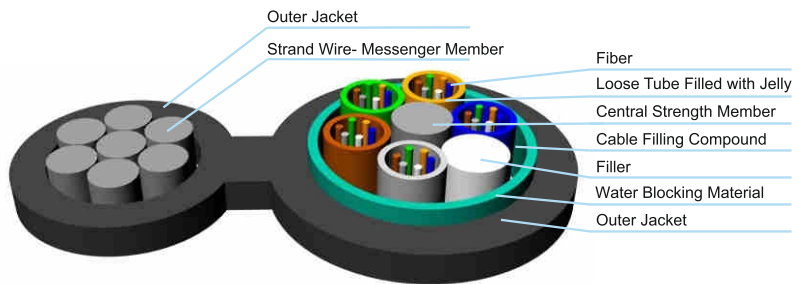## Aerial Fig8 Non-Armored Optical Fiber Cable

Temperature Range
Operating   : -40ºC to +70ºC
Storage   : -50ºC to +70ºC
Installation : -30ºC to +70ºC
Bending Radius:
Static   10D
Dynamic   20D

Description
Self-supported figure 8 optical cable with fibers placed in jelly filled loose buffer tube stranded around dielectric central member. The cable core is protected with jelly or waterblocking material to prevent water intrusion and migration. This set unit and galvanized steel messenger are covered with polyethylene outer jacket.
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Product Construction
Fiber:
2-288 fibers
Multi loose tube gel-filled
Central Strength Member:
FRP (Fiber reinforce plastic)
Water Blocking Material:
Water blocking Tape/Yarn
Outer Jacket:
Black UV and moisture-resistan polyethylene (PE).
Messenger Member:
Galvanized steel.

Features
Loose tube gel-filled construction for superior fiber protection.
UV and moisture-resistant design.
Self-supporting Figure 8 design.

Applications
Interbuilding voice or data communication backbones.
Installed aerially.

Outer Jacket
Strand Wire- Messenger Member
Fiber
Loose Tube Filled with Jelly
Central Strength Member
Cable Filling Compound
Filler
Water Blocking Material
Outer Jacket

Cable Structure

Option
Dry core structure is available, usd "-DC" suffix.

Optical Characteristics

Fiber Type		G.652	G.655	50/125µm	62.5/125µm
Attenuation (+20℃)	850 nm			≤3.0 dB/km	≤3.3 dB/km
	1300 nm			≤1.0 dB/km	≤1.0 dB/km
	1310 nm	≤0.36 dB/km	≤0.40 dB/km		
	1550 nm	≤0.22 dB/km	≤0.23 dB/km		
Bandwidth	850 nm			≥500 MHz·km	≥200 Mhz·km
	1300 nm			≥500 MHz·km	≥500 Mhz·km
Numerical Aperture				0.200±0.015 NA	0.275±0.015 NA
Cable Cut-off Wavelength λcc		≤1260 nm	≤1450 nm		

Structure and Technical Specifications

Fiber Count	Nominal Diameter (mm)	Nominal Weight (kg/km)	Max Fiber Per Tube	Max No. of (Tubes+fillers)	Allowable Tensile Load (N)		Allowable Crush Resistance (N/100mm)	
					Short Term	Long Term	Short Term	Long Term
2~30	9. 2×17.2	150	6	5	4000	2000	1000	300
32~48	10.2×18.2	172	8	6	4000	2000	1000	300
50~72	11.1×19.1	177	12	6	4000	2000	1000	300
74~96	12.4×20.4	201	12	8	4000	2000	1000	300
>98	Available upon customer's request							

Note：This datasheet can only be a reference, but not a supplement to the contract. Please contact our sales people for more detailed information.