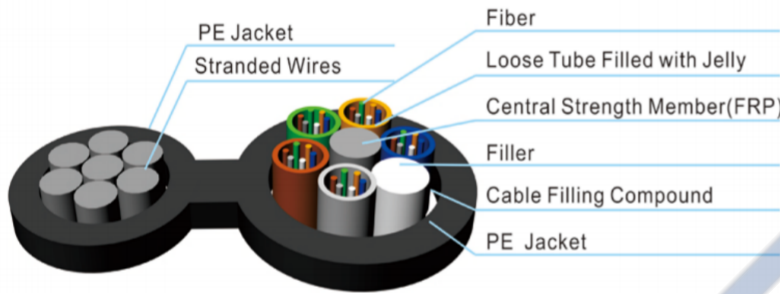


Aerial Fig8 Non-Armored Optical Fiber Cable



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



Cable Structure

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.

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.

Option

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

Optical Characteristics

Fiber Type		G.652	G.655	50/125µm	62.5/125µm
Attenuation (+20°C)	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 λ _{cc}		≤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.