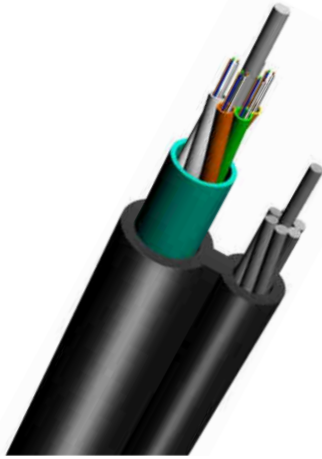


Aerial Fig8 Self-Supported Optical Cable With Rodent Protection



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

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, protected with a corrugated steel tape armor. All whole unit and galvanized steel messenger are covered with black polyethylene outer jacket.

Product Construction

Fiber:
 2-288 fibers
 Multi loose tube gel-filled
Central Strength Member:
 FRP (Fiber reinforce plastic)
Armor:
 Corrugated steel tape
Outer Jacket:
 Black UV and moisture-resistan polyethylene (PE).
Messenger Member:
 Galvanized steel.

Features

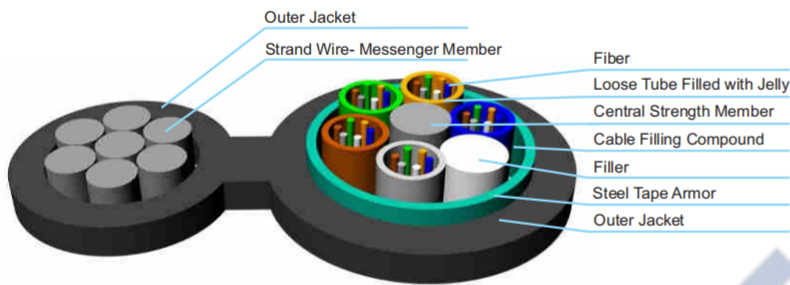
Loose tube gel-filled construction for superior fiber protection.
 Corrugated steel tap armor to protect cable from mechanical damage and rodent protection
 UV and moisture-resistant design.

Applications

Interbuilding voice or data communication backbones.
 Installed aerially.

Option

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



Cable Structure

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	10.0×18.0	183	6	5	7000	4000	1000	300
32~48	10.7×18.8	206	6	6	7000	4000	1000	300
50~72	11.6×19.4	226	12	5	7000	4000	1000	300
74~96	13.0×20.0	256	12	6	7000	4000	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.