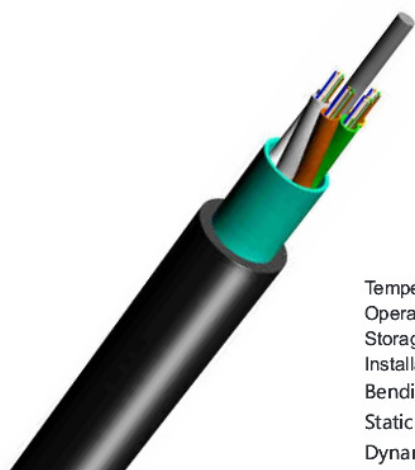
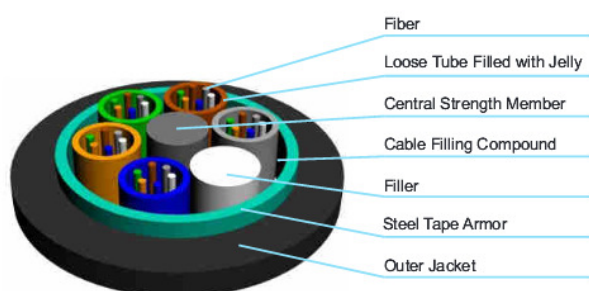


Armored Loose Tube Single Jacket/Single Armor Cable With Rodent Protection



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



Cable Structure

Description

Armored Loose Tube Single Jacket/Single Armor fiber optic cable with fibers placed in loose buffer tube stranded around central strength member. The cable core is protected with jelly to prevent water intrusion and migration, protected with a corrugated steel tape armor and cover with a black Polyethylene out jacket.

Product Construction

Fiber:

2-288 fibers

Loose tube gel-filled

Armor:

Corrugated steel tape

Central Strength Member:

FRP (Fiber reinforce plastic)

Outer Jacket:

Black UV-and moisture-resistant polyethylene (PE).

Features

Up to 288 fibers.

Loose tube gel-filled construction for superior fiber protection.

Corrugated steel tape armor to protect cable from mechanical damage and rodent protection.

UV and moisture-resistant design.

Applications

Interbuilding voice or data communication backbones.

Installed in ducts, underground conduits.

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	9.7	96	6	5	1500	600	1000	300
32~48	10.7	111	8	6	1500	600	1000	300
50~72	11.6	136	12	6	2000	600	1000	300
74~96	13.0	166	12	8	2000	600	1000	300
98~144	15.1	228	12	12	2500	600	1000	300

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