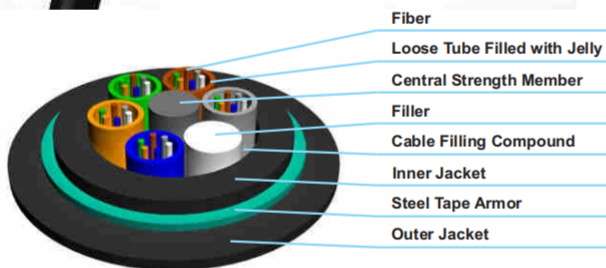


Armored Loose Tube Double Jacket/Single Armor Cable



Temperature Range
 Operating : -40°C to +70°C
 Storage : -50°C to +70°C
 Installation : -30°C to +70°C
 Bending Radius:
 Static 12.5D
 Dynamic 25D



Cable Structure

Description

Armored Loose Tube Double Jacket/Single Armor fiber optic cables are designed to provide high fiber counts with the flexibility and versatility required for today's most demanding installations, including direct buried. With fiber counts up to 288 and S-Z strand designs.

Product Construction

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

Features

Loose tube gel-filled construction for superior fiber protection.
 Double jacket and single armor to protect cable from rodent attack and mechanical damage.
 UV and moisture-resistant design.

Applications

Direct buried, Duct or Underground conduits.
 Backbone.

Option

FRP or Steel central strength member can be chosen.
 Dry core structure available for ease of handling.
 Flame-retardant jacket can be provided.

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	12.2	142	6	5	3000	1000	3000	1000
32~48	12.8	155	8	6	3000	1000	3000	1000
50~72	13.6	170	12	6	3000	1000	3000	1000
74~96	15.0	192	12	8	3000	1000	3000	1000
98~144	16.6	220	12	12	3000	1000	3000	1000
>144	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.