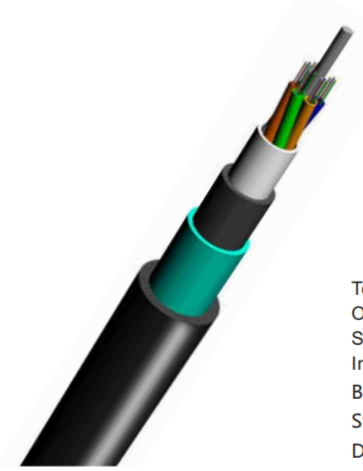
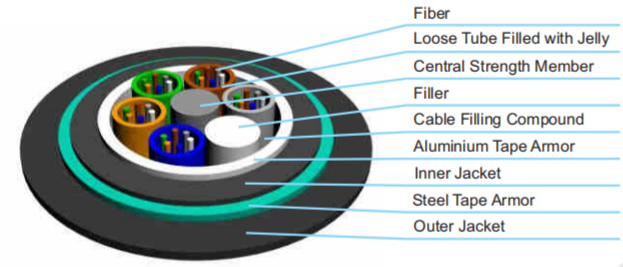
Armored Loose Tube Double Jacket/Double Armor Cable



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



Cable Structure

Description

Armored Loose Tube Double Jacket/Double 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:
Metallic steel wire
1st Armor:
Aluminum tape
Inner Jacket:
Black UV and moisture-resistant polyethylene (PE).
2nd Armor:
Corrugated steel tape
Outer Jacket:
Black UV and moisture-resistant polyethylene (PE).

Features

Loose tube gel-filled construction for superior fiber protection.
Double jacket and double 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℃)	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	13.2	162	6	5	3000	1000	3000	1000
32~48	13.8	175	8	6	3000	1000	3000	1000
50~72	14.6	205	12	6	3000	1000	3000	1000
74~96	16.0	230	12	8	3000	1000	3000	1000
98~144	17.6	285	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.