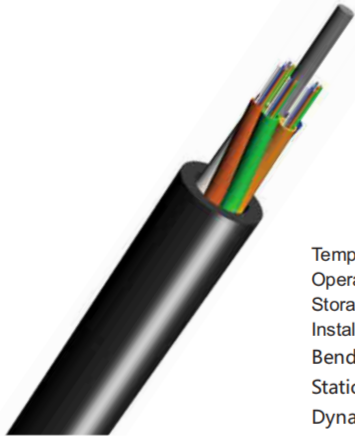


Non-Armored Loose Tube Cable



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

Description

Non-Armored Loose Tube fiber optic cables are designed to provide high fiber counts with the flexibility and versatility required for today's most demanding installations. With fiber counts up to 288 and S-Z strand designs for easy mid-span access.

Product Construction

Fiber:
 2-288 fibers
 Loose tube gel-filled
Central Strength Member:
 FRP (Fiber reinforce plastic)
Outer Jacket:
 Black UV- and moisture-resistant polyethylene (PE).

Features

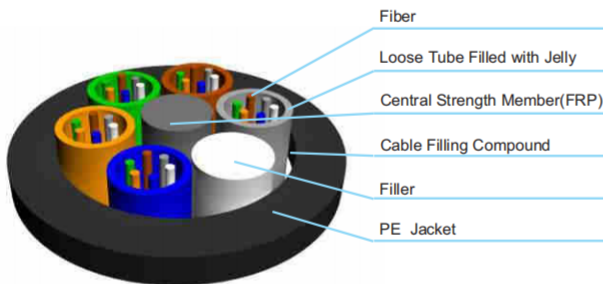
Up to 288 fibers.
 Loose tube gel-filled construction for superior fiber protection.
 All Dielectric structure.
 UV and moisture-resistant design.

Applications

Inter building voice or data communication backbones.
 Installed in ducts, lashed/Aerial.

Option

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



Cable Structure

Fiber
 Loose Tube Filled with Jelly
 Central Strength Member(FRP)
 Cable Filling Compound
 Filler
 PE Jacket

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
2~36	9.6	85	6	6	1500	600	1000	300
38~72	10.2	100	12	6	1500	600	1000	300
74~96	11.6	130	12	8	1500	600	1000	300
98~120	13.1	162	12	10	1500	600	1000	300
122~144	14.9	204	12	12	1800	600	1000	300
146~216	15.9	205	12	18(2 layers)	2200	600	1000	300
>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.