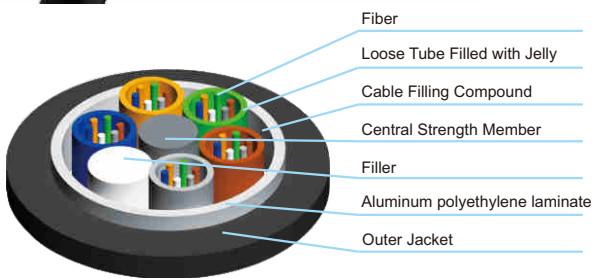


## Loose Tube Single Jacket Non-Armored cable



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



## Cable Structure

## Description

Single Jacket Non-Armored cables are lightweight with small diameter and designed for duct and aerial installation with lashing method. The loose tube stranded around central strength member. The cable core is protected with jelly to prevent water intrusion and migration, An Aluminum Polyethylene Laminated as moisture barrier. And cover with a black Polyethylene out jacket.

## Product Construction

**Fiber:**  
 2-288 fibers  
 Loose tube gel-filled  
**Moisture Barrier:**  
 Aluminum polyethylene laminate  
**Central Strength Member:**  
 FRP or Steel Wire  
**Outer Jacket:**  
 Black UV- and moisture-resistant polyethylene (PE).

## Features

Up to 288 fibers.  
 Loose tube gel-filled construction for superior fiber protection.  
 Moisture barrier with aluminum polyethylene laminate.  
 UV and moisture-resistant design.

## Applications

Backbones and Access.  
 Installed in ducts, Aerial/lashed.

## Option

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

## 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 <sub>cc</sub>		≤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	76	6	5	1500	600	1000	300
32~48	10.7	90	8	6	1500	600	1000	300
50~72	11.6	110	12	6	2000	600	1000	300
74~96	13.0	135	12	8	2000	600	1000	300
98~144	15.1	190	12	12	2000	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.