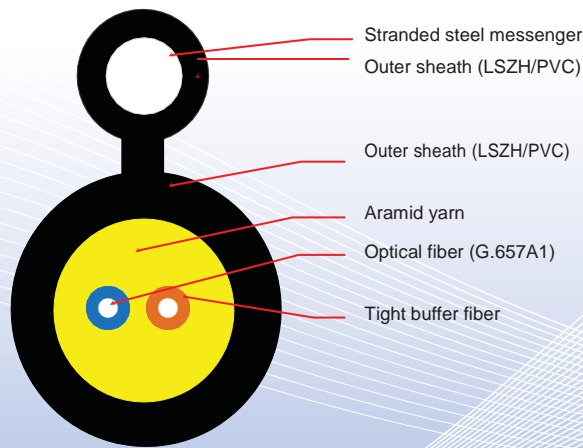


# 03 | FIG-8 – OPTICAL FIBER DROP CABLE

## ■ Cable structure



## ■ Features & Application

- Small diameter, light weight, small bending radius and easily to install;
- Indoor and outdoor cabling, working as connection cable from access terminal box to subscribers, suitable with AON/GPON/CATV network.

## ■ Mechanical & Environmental Characteristics

Tight buffer(mm)	Fiber count tiêu	Diameter (mm)	Weight (kg/km)	Bending (mm)
0.6	1	3.0	15	30
	2	3.5	21	35
	4	4.0	27	40
0.9	1	3.0	16	30
	2	4.0	27	40
	4	4.5	33	45
Overhead		80m		
Maximum load (installtion)		500N		
Maximum load (Operation)		400N		
Temperature ranger (installtion)		-5°C ÷ 65°C		
Temperature ranger (operation)		-10°C ÷ 65°C		
Bending Radius (installtion)		10*D ( D= Cable diameter)		
Bending Radius (operation)		20*D ( D= Cable diameter)		
Longevity		≥ 10 Years		

## Identification

TIA/EIA-598-A Compliance	
Fiber account	Color
1	NA (any color)
2	Blue; Orange
4	Blue; Orange; Green; Brown

## Optical Characteristics

Specifications	Unit	Fiber type: SM-ITU-T G.652D
<b>*. Geometrical characteristics</b>		
Mode field diameter at 1310nm	μm	9.2 ± 0.4
Cladding diameter	μm	125 ± 1
Core-clad concentricity	μm	≤ 0.6
Cladding non-circularity	%	≤ 0.7
Coating diameter	μm	245 ± 10 (none color) 250 ± 10 (including color)
<b>*. Transmission characteristics</b>		
Attenuation at wavelength: 1310nm÷1625nm	dB/km	≤ 0.4
Attenuation at 1550nm	dB/km	≤ 0.22
Chromatic dispersion	ps/nm.km	≤ 3.5 at 1310nm      ≤ 18 at 1550nm
PMD index	ps/km <sup>1/2</sup>	≤ 0.2
Zero dispersion wavelength	Nm	1300 ≤ λ <sub>0</sub> ≤ 1324
Zero dispersion slope	ps/nm <sup>2</sup> .km	≤ 0.092
Cut-off wavelength	Nm	λ <sub>cc</sub> ≤ 1260
Macrobend loss at 1625nm (radius = 30mm * 100 turns)	dB	≤ 0.1
<b>*. Mechanical characteristics</b>		
Proof stress	Gpa	≥ 0.69

\*. Using the optical fiber from Corning, Fujikura, Sumitomo and Furukawa.

## Informations and parking

- The informations of the cable is printed per meter length complies with IEEE P1222. Other information will be printed as the request of customer.
- Standard length: 1000m to 2000m or is packed according to customer's requirements.