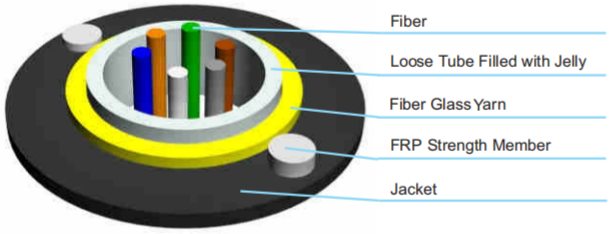
Uni-Tube All Dielectric Aerial Drop Cable

Temperature Range
Operating : -40℃ to +70℃
Storage : -50℃ to +70℃
Installation : -30℃ to +70℃
Bending Radius:
Static 10D
Dynamic 20D



Cable Structure

Description

Uni-Tube All Dielectric Aerial Drop cable is specifcally designed for Fiber-to-the-Subscriber applications. It is a round, all dielectric cable ideally suited for self-supporting drop-type installations as well as in lashed or conduit builds. The overall glass yarn strength member is used for additional mechanical protection.

Product Construction

Fiber:
2-24 fibers
Uni-loose tube gel-filled
Strength Member:
Embedded FRP and overall fiber glass yarn.
Outer Jacket:
Black UV and moisture-resistant polyethylene (PE).

Features

Small size, Low cost.
Up to 24 fibers.
Uni-tube gel-filled construction for superior fiber protection.
Two parallel FRP wire and overall glass yarn to enhance tensile resistant.
and protect cable from mechanical damage.
Designed for use with inexpensive attachment hardware.
Self-supported no messenger needed.

Applications

Conduit, Duct, Aerial/Lashed.
FTTx, Access.

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)	Allowable Tensile Load (N)		Allowable Crush Resistance (N/100mm)	
			Short Term	Long Term	Short Term	Long Term
2~12	6.5	35	1800	800	2200	100
14~24	7.0	40	1800	800	2200	100

Note: Larger spans can be achieved if necessary with installation sags larger than 1% of span.
This datasheet can only be a reference, but not a supplement to the contract. Please contact our sales people for more detailed information.
Hybrid designs (containing single mode and multi mode fiber)and composite designs(containing copper conductors)are also available.