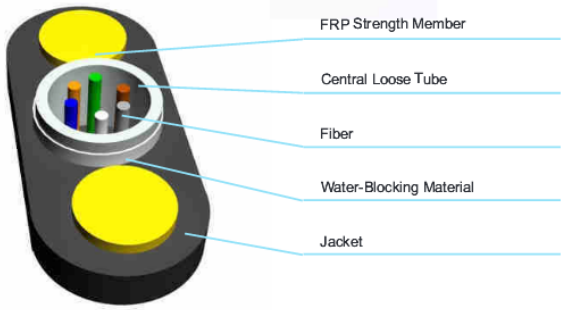
Non-Metallic Flat-Span Aerial Drop Cable

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



Cable Structure

Description

Designed for quick installation and ease in handling, Flat-Span Drop cable serves as the last link for the FTTx networks of today. The design is constructed utilizing proven buffer tube technology with a single tube containing up to 24 fibers. Two diametrically opposed dielectric rods are placed along side the buffer tube to provide the mechanical properties of the cable. The finished product, with its compact size, acts as a self-supporting aerial solution for those last mile drops to the customer's home or office.

Product Construction

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

Features

Compact size, use universal cable clamp make installation easily.
Up to 24 fibers.
Uni-tube gel-filled construction for superior fiber protection.
Two parallel FRP wire to enhance tensile resistant.
UV and moisture-resistant design.
Designed for use with inexpensive attachment hardware.
Self-supporting 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)		Aerial Install span with 1%sag		
			Short Term	Long Term	Short Term	Long Term	NESC Light	NESC Medium	NESC Heavy
2~12	3.5×7.4	39	1500	600	1000	300	100meters	80meters	50meters
14~24	3.5×7.4	45	1500	600	1000	300	80meters	60meters	40meters

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.