

Air-Blowing Micro Cable



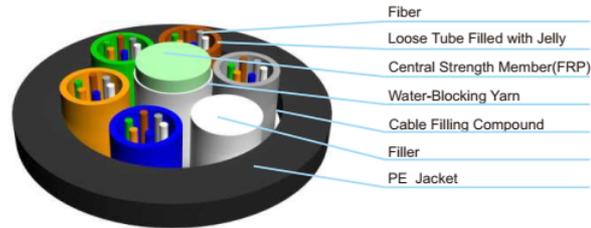
Temperature Range  
 Operating : -40°C to +70°C  
 Storage : -50°C to +70°C  
 Installation : -30°C to +70°C  
 Bending Radius:  
 Static 10D  
 Dynamic 20D

Description

The fibers, 250µm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A Fiber Reinforced Plastic (FRP) locates in the center of core as a non-metallic strength member. The tubes (or fillers) are stranded around the strength member into a compact and circular core. The cable core is protected from water ingress by water-blocking yarn. The cable is completed with a PE jacket.

Characteristics

Non-metal design can prevent the cable from radio interference and magnetic wave interference.  
 Specially designed compact structure is good at preventing loose tubes from shrinking.  
 Loose tube filling compound ensure good moisture resistance performance.  
 Good flexibility.  
 High dense fiber packed, small diameter and light weight; it's the better option for blowing installation process.



Cable Structure

Standards

Adapted to backbone network, access network and fiber to the home.

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		

Technical Parameters

Fiber Count	Cable Diameter (mm)	Cable 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
24~72	7.0	21	12	6	150	600	150	450
74~96	8.3	31	12	8	250	900	150	450
98~144	10.3	49	12	12	250	900	150	450

Note : This datasheet can only be a reference, but not a supplement to the contract. Please contact our sales people for more detailed information.