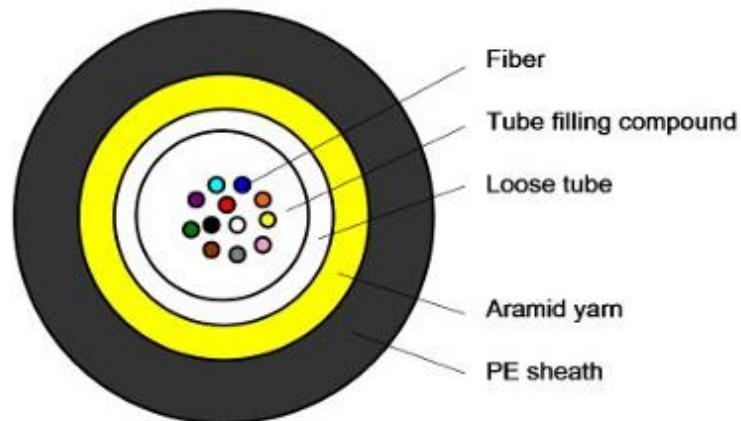


Uni Tube Non-metallic Micro Cable

Features

- 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
- Aramid yarn ensures good performance of tensile strength
- Loose tube filling compound ensure good moisture resistance performance
- Good flexibility
- High dense fiber packed, small diameter and light weight. It's the best option for blowing installation process



Description

The fibers, 250 μ m, either of single-mode or multimode type, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A layer of aramid yarn is applied around the cable core as additional strength member. Then, the cable is completed with a black or color High Density Polyethylene (HDPE) sheath.

Technical Data

Cable type		
Fiber count	2~12	14~24
Cable size	3.5 $\pm$ 0.3	4.4 $\pm$ 0.3
Cable Weight(Ref)(kg/km)	12	15
Tensile Strength Long/short term(N)	60/150	60/150
Crush resistance Long/short term(N/100mm)	150/450	150/450
Storage/Operating Temperature	-40°C to +70°C	-40°C to +70°C
Bending radius Static/Dynamic(mm)	10D/20D	10D/20D

Optical Characteristics

Fiber Type		G.652	G.655	50/125 μ m	62.5/125 μ m
Attenuation (+20°C)	@ 850 nm			$\leq$ 3.0 dB/km	$\leq$ 3.3 dB/km
	@1300 nm			$\leq$ 1.0 dB/km	$\leq$ 1.0 dB/km
	@1310 nm	$\leq$ 0.36 dB/km	$\leq$ 0.36 dB/km		
	@1550 nm	$\leq$ 0.22 dB/km	$\leq$ 0.22 dB/km		
Bandwidth	@ 850 nm			$\geq$ 500 MHz·km	$\geq$ 200 MHz·km
	@1300 nm			$\geq$ 500 MHz·km	$\geq$ 500 MHz·km
Numerical Aperture				0.200 $\pm$ 0.015 NA	0.275 $\pm$ 0.015 NA
Cut-off Wavelength λ_{cc}		$\leq$ 1260 nm	$\leq$ 1260 nm		