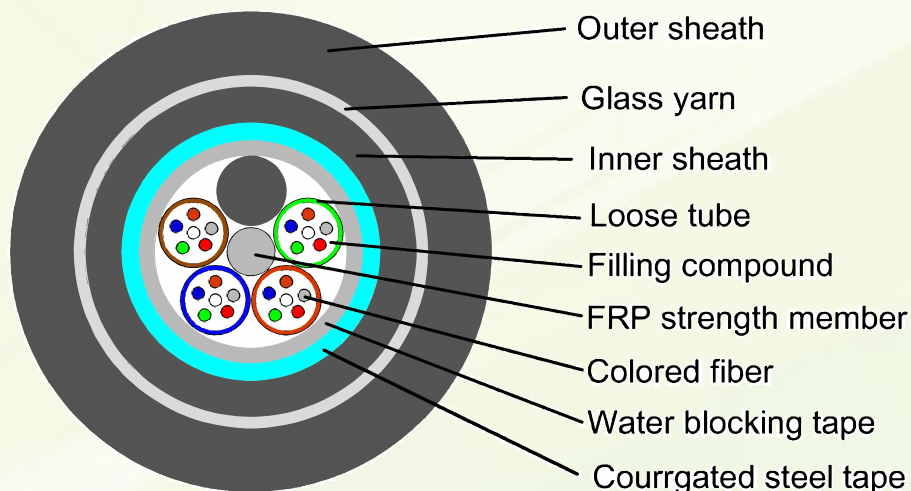


Double Armoured Loose Tube Anti Rodent



Characteristics

1. FRP strength. Filler protect tube fiber. Steel tape armored.
2. Good ultra violet radiation resistant property.
3. Double sheath .Good moisture-resistance.
4. Termites & rodent resistant

International standards

IEC 61754; TIA/EIA 604-5
ITU-T G.652D

Application

1. Suitable for outdoor distribution.
2. Long distance and local area network communication.
3. Suitable for aerial, duct and direct buried method.

Technical Parameters

Construction of optical fiber cable	
Items	Description
No. of fibers	24
No. of loose tubes	4
No. of fibers per tube	6
No. of fillers	1
Outer Jacket	PA
Inner jacket	PE
Outer sheath thickness	$1.0 \pm 0.2\text{mm}$ (PA)
Inner sheath thickness	$1.8 \pm 0.2\text{mm}$ (PE)
Loose tube diameter	$2.1 \pm 0.1\text{mm}$
FRP strength member diameter	2.2mm
Cable diameter	$13 \pm 0.2\text{mm}$
Courrgated steel tape thickness	0.23mm
Approx. weight cable Kg/Km	175

Mechanical and Environmental Data			
Temperature range	Storage/Shipping temperature range Operating temperature range	°C	-40°C ~ +70°C
Min. Bending Radius (mm)	Dynamic	mm	20D
	Static	mm	10D
Max. Tension (N)	Short-term	N	3000
	Long-term	N	1000
Max. Crushing Resistance (N/100mm ²)	Short-term	N/100mm ²	3000
	Long-term	N/100mm ²	1000

Optical Performances

Optical Transmission Performance	Single mode 1310/1550nm	Multimode 850/1300nm			
	9/125 μ m (OS2)	62.5/125 μ m (OM1)	50/125 μ m (OM2)	50/125 μ m (OM3)	50/125 μ m (OM4)
Max. Attenuation(dB/km)	0.36/0.25	3.0/0.8	2.7/0.8	2.7/0.8	2.7/0.8
Typ. Attenuation(dB/km)	0.34/0.21	2.7/0.6	2.5/0.7	2.3/0.6	2.3/0.6
Bandwidth (MHz/km)	N/A	200/600	500/500	1500/500	3500/500
850nm laser bandwidth(MHz/km)	N/A	N/A	N/A	2000	4700
Numerical aperture	0.13±0.01	0.275±0.015	0.200±0.015	0.200±0.015	0.200±0.015