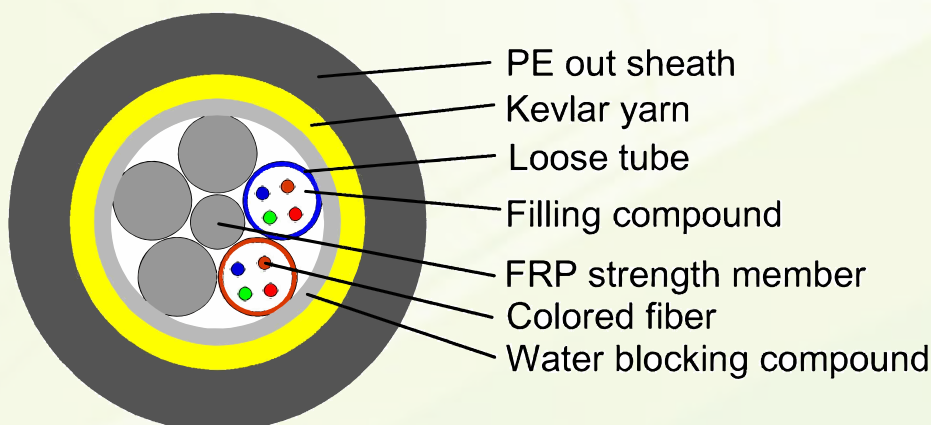




Characteristics

1. Single sheath design, small cable diameter, light weight, 50m span, low attached load on tower.
2. Non-metal structure, good insulation, anti-thunder.
3. Fine production technology, even force for aramid fiber, with superior stress flexibility.

Application

1. Erect on the same pole with power line in new and old power line.
2. Areas of strong electric field, multi-thunder, etc.

International standards

IEC 60794-1
ITU-T G.652D

Technical Parameters

Construction of optical fiber cable	
Items	Description
No. of fiber	4
No. of loose tube	1
No. of fibers per tube	4
No. of fillers	4
Jacket	PE
Color of Jacket	Black
PE out sheath thickness	$1.8 \pm 0.2\text{mm}$
Loose tube diameter	$2.2 \pm 0.1\text{mm}$
FRP strength member diameter	1.6mm
Max. Tension (N)	Long-term:1000 Short-term:3000
Cable diameter	$10(\pm 0.2\text{mm})$
Approx. weight cable Kg/Km	80

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. Crush Resistance (N/100mm ²)	Short-term	N/100mm ²	1000
	Long-term	N/100mm ²	300

Optical Performances

Optical Transmission Performance	Single mode 1310/1550	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