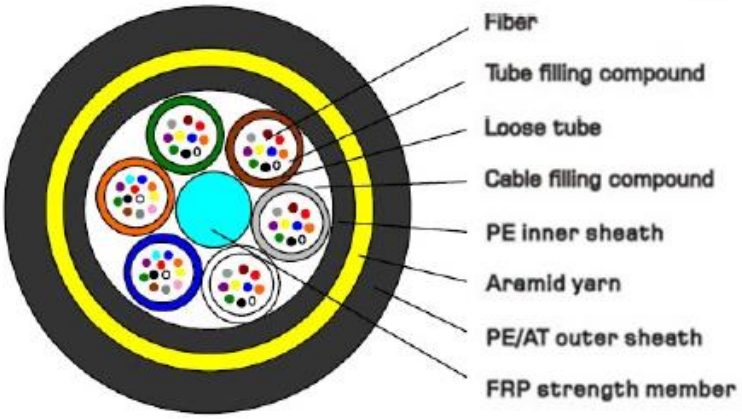
All Dielectric Self-supporting Aerial Optical Fiber Cable



Description

Non-metallic strength member(FRP), PBT loose tube stranded, PE inner jacket, Aramid yarn, PE or AT (anti-tracking) outer jacket

Features

- Reasonable design and precise control over the loose tube fiber in the remainder of a long, fiber optic cable with excellent performance and temperature tensile properties.
- Light weight and small diameter reducing the load caused by ice and wind and the load on towers and backprops.
- Excellent AT performance. The maximum inductive at the operating point of AT sheath can reach 25KV.
- Excellent performance for span lengths up to 1,000 m, fit for extra high voltage power lines without interruption of power service to the customers.
- Electric field space potentials ≦110 kV use PE outer jacket；Electric field space potentials >110 kV use AT jacket.

Application

District strong, applicable to long-distance communications. Aerial self-supporting application at short, medium and long span distances. It is adopted for high voltage, middle, small span conditions in Power Transmission System or mazy terrain such as river spanning, mountains.

Specifications

Item		
Fiber Core Count		2~144
Span length (m)		50-1000
Nominal radian (%)		1-3
Nominal load (N)		800-100000
Wind speed (m/S)		≦30
Cable Diameter (mm)		10.5-18.0
Cable Weight (Kg/km)		130-260
Crush Resistance (N/100mm)		2200
Minimum Bending Radius	**Static**	15D
	Dynamic	25D