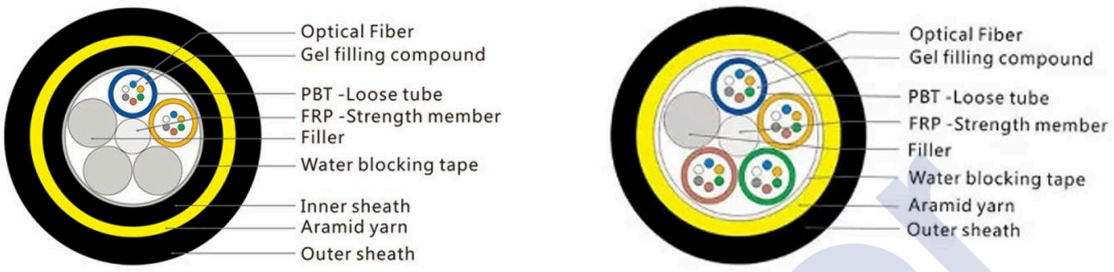
ADSS Single/Double Jacket All Dielectric Self -supporting Aerial Optical Fiber Cable

Product Structure Diagram



Product Description

The fibers are positioned in a loose tube made of high modulus plastic and filled with gel. Tubes (and fillers) are stranded around the non-metallic strength member to form the cable core.The cable core is filled with water blocking compound and PE inner jacket is extruded. Then the aramid yarn twist around the inner jacket to reinforce . Finally, PE outer jacket or AT outer jacket is completed.

Product features

—It can be installed without shutting off the power.

—Light weight and small diameter reducing the load caused by ice and wind and the load on towers and back-props.

—Good performance of tensile strength and temperature performance.

Application

—Self-supporting Aerial installation especially for electric field.

—Structure can be customized for different spans.

Technical Specifications

Product Parameters

Project	Technical indicators (Span 100m)								
Counts	2-30	32-36	38-60	62-72	74-96	98-120	122-144	146-216	218-288
Max.fiber counts per tube	6	6	12	12	12	12	12	12	12
Units(Tubes or Fillers)	6	6	6	6	8	10	12	18	24
Cable Diameter (mm)	9.7	9.7	9.7	9.7	11.2	12.3	13.5	13.7	16.3
Reference weight(Kg/km)	74	75	75	75	100	120	143	142	195
Fiber Type	G652D G655 G657 50/125 62.5/125								
Tensile Strength(N)	Long/Short Term:1900/4800								
Crush Resistance(N/100mm)	Long/Short Term:300/1000								
Bending Radius(mm)	Static/Dynamic:10D/20D								
Temperature(℃)	Storage /Operation:-40℃~+70℃								