



Hangzhou Risingsun Cable Co.,Ltd

全介质自承式光缆 All Dielectric Self-supporting Optical Fiber Cable

ADSS



技术指标根据不同的光缆芯数、气候条件（如温度、风速、覆冰厚度）、敷设跨距和电力线路电压等级而定
The technical parameters are subject to different fiber counts, climate conditions (e.g. temperature, wind speed, ice coat thickness), laying spans, voltage classes of power lines, ect.

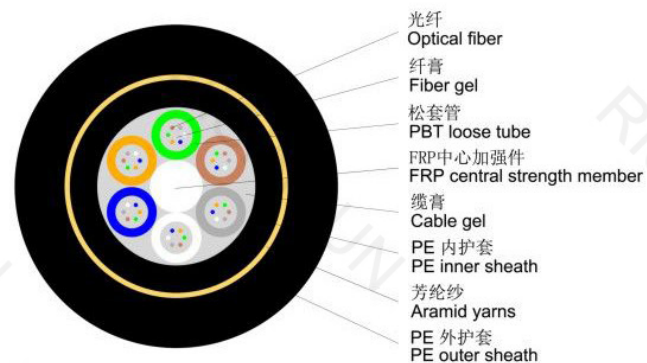
敷设方式 Installation Method

主要用于电力通信传输系统中高电场强度地区或雷击频繁的地区。

Typically used in areas with high electrical field strength or frequent lightning in the power communication transmission system.

温度范围 Temperature Range

运输和储藏温度 Transport/Storage temp	
-30℃~+65℃	
安装温度 Installation temp	
-20℃~+50℃	
工作温度 Operation temp	
-30℃~+65℃	



结构特点 Structural Characteristics

光纤芯数 Fiber count	2~144
松套管 Loose tube	着色光纤置于PBT松套管中,管内填充纤膏 Colored fiber in PBT loose tube, filled with fiber gel
中心加强件 Central strength member	非金属加强构件FRP Non-metallic strength member FRP (Fiber Reinforce Plastic Rod)
阻水层 Waterproof layer	缆芯填充纤膏或阻水带、阻水纱 Cable core filled with cable gel or water blocking tape, water blocking yarns.

高强度芳纶纱 High-strength aramid yarn	使光缆具有极高的抗拉强度、较小的缆径和较轻的重量,以适应不同气候条件和敷设跨距 Offers very high tensile strength, small diameter and light weight to fit different climate conditions and laying spans.
护套 Sheath	耐电痕材料或聚乙烯 Anti-tracking (AT) material or Polyethylene (PE)

技术参数 Technical Data

项目 Item	参数 Parameter
光缆型号 Cable type	ADSS-PE/AT24B1-12kN (典型 typical)
光纤衰减 Fiber attenuation (B1) (dB/km)	1310nm ≤0.36 1550nm ≤0.22
光缆标称外径 Nominal cable outer dia (mm)	13 (典型 typical)
外护套标称厚度 Nominal thickness of outer sheath (mm)	≥1.7
光缆重量 Cable weight (kg/km)	80~180

项目 Item	参数 Parameter
杨氏模量 Young's modulus (GPa) (光缆全截面 full cable cross-section)	8~20 (随跨距、载荷等而异 depending on span, load, ect)
热膨胀系数 Thermal expansion coefficient (10 ⁻⁵ /℃)	≤10
最小弯曲半径 Min. bending radius (mm) (D: 光缆直径 cable dia)	静态 Static: 15D 动态 Dynamic: 25D
代表跨距 Representative span (m)	100~1000

备注 Remark:

产品的尺寸和性能值可以根据客户指定需求。All sizes and performance values can be specified by customer.