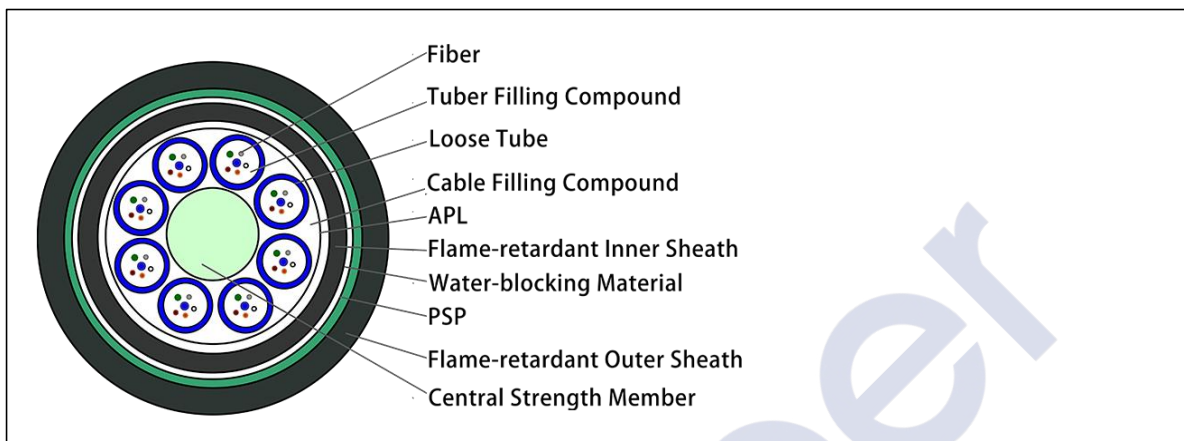


GYFTZA Flame-retardant Stranded Loose Tube FRP APL

Armor Optical Fiber Cable

Product Structure Diagram



Product Description

The fibers are positioned in loose tubes that are made of high-modulus plastic and filled with tube filling compound. The tubes (and fillers) are stranded around a non-metallic central strength member (FRP) to form a cable core. The core is filled with water-blocking compound, and armored with laminated aluminum tape (APL). Then a LSZH outer jacket is extruded.

Product features

- Good mechanical and thermal performance.
- FRP as the central strength member.
- Hydrolysis resistant loose tube.
- Tube filling compound ensures critical protection of fiber.
- Specially designed stranded compact structure eliminating contraction of tubes.
- LSZH sheath ensuring good flame-retardant performance.
- Crush resistance and flexibility.
- Water-blocking measures:
 - Loose tube gel-filled.
 - 100% cable filling compound.
 - APL moisture barrier.

Application

Duct / Non Self-supporting Aerial Installation.

Technical Specifications

Product Parameters

Project	Technical indicators								
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)	10.4	10.4	11.3	11.3	12.6	14.0	15.5	16.0	18.0
Reference weight(Kg/km)	110	110	130	130	160	192	231	234	295

Fiber Type	G652D G655 G657 50/125 62.5/125
Tensile Strength(N)	Long/Short Term:600/1500
Crush Resistance(N/100mm)	Long/Short Term:300/1000
Bending Radius(mm)	Static/Dynamic:12.5D/25D
Temperature(°C)	Storage /Operation:-40°C~+70°C

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