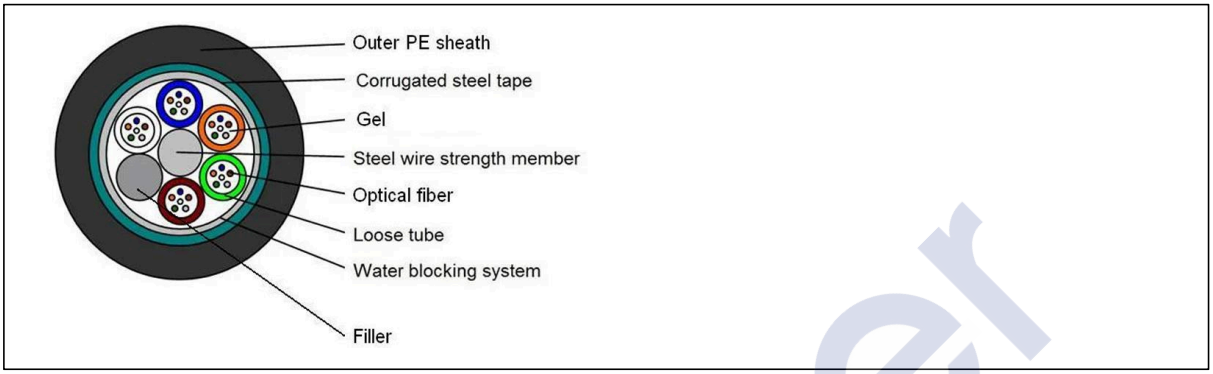
GYTS Outdoor Stranded Loose Tube CST Armor

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 metallic strength member to form the cable core. The steel tape(CST) is longitudinally armored over the cable core, which is filled with water blocking compound. Finally a PE jacket is extruded.

Product features

- Good mechanical and thermal performance
- Steel wire as the central strength member
- Hydrolysis resistant loose tube
- Tube filling compound ensures critical protection of fiber
- Specially designed stranded structure eliminating contraction of tubes
- Rugged, durable PE jacket protects against UV radiation, fungus etc.
- Crush resistance and flexibility
- Water-blocking measures:

- Loose tube gel-filled
- 100% cable filling compound
- Corrugated steel tape(CST) enhancing moisture-proof

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)	5	6	5	6	8	10	12	18	24
Cable Diameter(mm)	9.2	9.6	9.7	10.2	11.5	12.8	14.0	14.3	16.2
Reference weight(Kg/km)	87	102	98	118	143	170	197	204	255
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:10D/20D
Temperature(℃)	Storage /Operation:-40℃~+70℃