

## Stranded loosen tube armored fiber optic cable

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The fibers,250μm,are positioned in a loose tube made of a high modulus plastic,the tubes are filled with a water-resistant filling compound.A Steel wire,sometimes sheathed with polyethylene(PE) for cable with high fiber count,locates in the center of core as a metallic strength member.Tubes and fillers are stranded around the strength member into a compact and circular cable core.An Aluminum Polyethylene Laminate(APL) is applied around the cable core,which is filled with the filling compound to protect it from water ingress.Then,the cable is completed with a PE outer sheath.After the PSP is longitudinally applied over the inner sheath,the cable is completed with a PE outer sheath.Application:Duct,Aerial,Directly buried

### Stranded loosen tube armored fiber optic cable Characteristics

- 1.Good mechanical and temperature performance
- 2.High strength loose tube that is hydrolysis resistant
- 3.Special tube filling compound ensure a critical protection of fiber
- 4.Crush resistance and flexibility
- 5.The following measures are taken to ensure the cable is water tight
  - Steel wire used as the central strength member
  - Loose tube filling compound
  - 100% cable core filling
  - APL moisture barrier
  - PSP enhancing moisture-proof
  - Water-blocking material applied
- 6.The product complies with YD/T 901-2009 as well as IEC 60794-1

Stranded loosen tube armored fiber optic cable technical parameters

| Fiber optic cable model incremented by 2 | Fiber Number | Diameter(mm) | Weight(kg/km) | Tensile strength(Long/Short)N | Allowable pressure flat force(Long/Short)N | Bending radius(Static/Dynamic)mm |
|--|--------------|--------------|---------------|-------------------------------|--|----------------------------------|
| GYTA53-2~6Xn                             | 2~12         | 13.7         | 190           | 1000/3000                     | 1000/3000                                  | 10D/20D                          |
| GYTA53-8~12Xn                            | 2~12         | 13.7         | 190           | 1000/3000                     | 1000/3000                                  | 10D/20D                          |
| GYTA53-14~18Xn                           | 14~24        | 13.7         | 190           | 1000/3000                     | 1000/3000                                  | 10D/20D                          |
| GYTA53-20~24Xn                           | 26~36        | 13.7         | 190           | 1000/3000                     | 1000/3000                                  | 10D/20D                          |
| GYTA53-26~30Xn                           | 26~36        | 13.7         | 190           | 1000/3000                     | 1000/3000                                  | 10D/20D                          |
| GYTA53-32~36Xn                           | 38~48        | 13.7         | 190           | 1000/3000                     | 1000/3000                                  | 10D/20D                          |

Stranded loosen tube armored fiber optic cable construction

