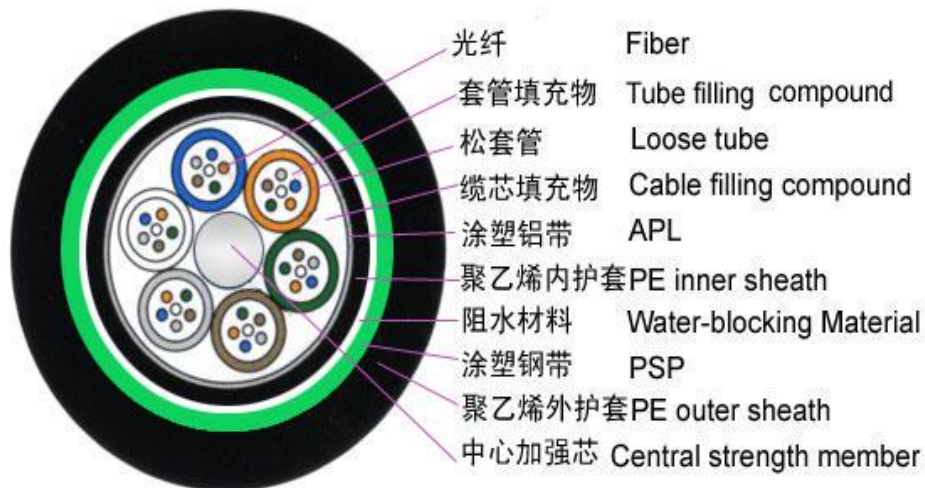


GYTA53 Stranded Loose Tube Armored Cable



Description:

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 core is covered with a thin PE inner sheath. After the PSP is longitudinally applied over the inner sheath, the cable is completed with a PE outer sheath.

Characteristics

- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Crush resistance and flexibility
- The following measures are taken to ensure the cable watertight:
 - 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

Standards:

GYTY53 cable complies with Standard YD/T 901-2001 as well as IEC 60794-1.

Storage/Operating Temperature:

-40°C to + 70°C

Technical Parameters

| Cable Type | Fiber Count | Tubes | Fillers | Cable Diameter (mm) | Cable Weight (kg/km) | Tensile Strength (N) | Crush Resistance (N/100mm) | Bending Radius (mm) |
|----------------|-------------|-------|---------|---------------------|----------------------|----------------------|----------------------------|---------------------|
| | | | | | | Long/Short Term | Long/Short Term | Static/Dynamic |
| GYTA53-2~6 | 2~6 | 1 | 5 | 14.5 | 209 | 1000/3000 | 1000/3000 | 10D/20D |
| GYTA53-8~12 | 8~12 | 2 | 4 | 14.5 | 209 | 1000/3000 | 1000/3000 | 10D/20D |
| GYTA53-14~18 | 14~18 | 3 | 3 | 14.5 | 209 | 1000/3000 | 1000/3000 | 10D/20D |
| GYTA53-20~24 | 20~24 | 4 | 2 | 14.5 | 209 | 1000/3000 | 1000/3000 | 10D/20D |
| GYTA53-26~30 | 26~30 | 5 | 1 | 14.5 | 209 | 1000/3000 | 1000/3000 | 10D/20D |
| GYTA53-32~36 | 32~36 | 6 | 0 | 14.5 | 209 | 1000/3000 | 1000/3000 | 10D/20D |
| GYTA53-38~48 | 38~48 | 4 | 1 | 15.4 | 234 | 1000/3000 | 1000/3000 | 10D/20D |
| GYTA53-50~60 | 50~60 | 5 | 0 | 15.4 | 234 | 1000/3000 | 1000/3000 | 10D/20D |
| GYTA53-62~72 | 62~72 | 6 | 0 | 15.9 | 244 | 1000/3000 | 1000/3000 | 10D/20D |
| GYTA53-74~84 | 74~84 | 7 | 1 | 18 | 297 | 1000/3000 | 1000/3000 | 10D/20D |
| GYTA53-86~96 | 86~96 | 8 | 0 | 18 | 297 | 1000/3000 | 1000/3000 | 10D/20D |
| GYTA53-98~108 | 98~108 | 9 | 1 | 19.4 | 338 | 1000/3000 | 1000/3000 | 10D/20D |
| GYTA53-110~120 | 110~120 | 10 | 0 | 19.4 | 338 | 1000/3000 | 1000/3000 | 10D/20D |
| GYTA53-122~132 | 122~132 | 11 | 1 | 21.3 | 392 | 1000/3000 | 1000/3000 | 10D/20D |
| GYTA53-134~144 | 134~144 | 12 | 0 | 21.3 | 392 | 1000/3000 | 1000/3000 | 10D/20D |
| GYTA53-146~216 | 146~216 | | | 21.3 | 395 | 1000/3000 | 1000/3000 | 10D/20D |