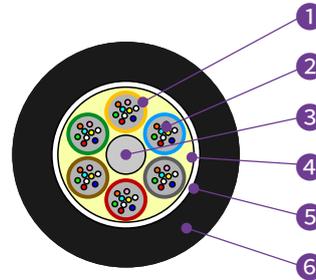




GYTA

Loose Tube Non-Armored Fiber Optic Cable

The bending insensitive optical fibres are housed in loose tubes that are made of high-modulus plastic and filled with tube filling compound. The loose tubes with smaller size are stranded to form a cable core. The core is armored with laminated aluminum tape. Then a PE outer sheath is extruded. This structure has a smaller size to enhance installation density of fibres in ducts.



Features

- ✓ Accurate process control ensuring good mechanical and temperature performances
- ✓ The material of loose tubes with good hydrolysis resistance and relatively high strength
- ✓ Tube filling compound providing the key protection for fibres
- ✓ Using small-sized B6a2 fibres with good micro and macro bending performance
- ✓ Comply with IEC60794-3-11(2007): Optical fibre cables- Part 3-11
- ✓ Water resistance of optical cable is ensured by the following measures:
Special water-blocking compound filled in loose tubes
Laminated aluminum tape armor
Cable filling compound ensuring longitudinal water resistance

1. Loose Tube: thermoplastic material, containing filled with gel.
2. Optical Fiber: 200um B6a2 Fibre
3. Central Strength Member(CSM): phosphate steel wire.
4. Cable Filling Compound.
5. Longitudinal Water Blocking Material: Water blocking tape.
6. Outer Sheath: black polyethylene.

Technical Characteristics

Cable Type	Fiber Count	Stranded units	Cable Diameter (mm)	Cable Weight (kg/km)	Bending Radius Dynamic/Static (MM)	Tensile Strength Long/Short Term (N)	Crush Resistance Long/Short Term (N/100 mm)
GYTA≤60	≤60	5	9.8	108	20D/10D	240/800	300/1000
GYTA-62~72	62~72	6	10.4	129	20D/10D	300/850	300/1000
GYTA-74~96	74~96	8	10.6	132	20D/10D	350/1200	300/1000
GYTA-98~120	98~120	10	12.1	161	20D/10D	450/1400	300/1000
GYTA-122~144	122~144	12	13.6	198	20D/10D	700/2000	300/1000

Environmental Characteristics

- ✓ Transport/storage temperature: -40°C to +70°C
- ✓ Compound flow: No filling compound or coating compound drop out of optical cable at 70°C
- ✓ Water penetration: No water comes out within 24 hours after 1m water head is applied to the entire cross section of 3m long optical cable