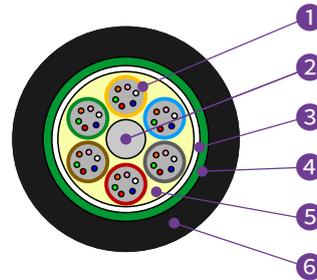




## GYTS

### Stranded Loose Tube Light-armored Cable

In the GYTS cable, single-mode/multimode fibres are positioned in the loose tubes, which are made of high modulus plastic materials, while the loose tubes strand together around metallic central strength member into a compact and circular cable core. For certain high fibre count cables, the strength member would be covered with polyethylene (PE). The water-blocking materials are distributed into interstices of the cable core, and the PSP is longitudinally applied around the cable core before a PE sheath is extruded over it.



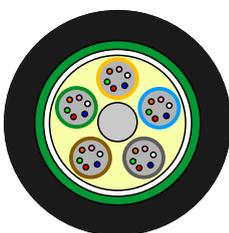
### Features

- ✓ Excellent mechanical and temperature performance guaranteed by the accurate excess fibre length
- ✓ Critical protection to fibres, based on the excellent hydrolysis resistance and strength performance of tube material and special filling compound filled in the tube
- ✓ Excellent crush resistance and flexibility
- ✓ Excellent ultraviolet prevention with PE sheath
- ✓ The following measures are taken to ensure the water blocking performance of the cable:
  - Single steel wire used as the central strength member
  - Special water-blocking filling compound in the loose tube
  - 100% cable core filling
  - PSP moisture barrier

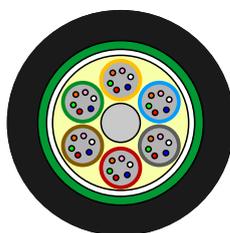
1. Loose Tube: thermoplastic material, containing optical fibers and filled with gel.
2. Central Strength Member (CSM): phosphate steel wire.
3. Armor: corrugated steel tape.
4. Longitudinal Water Blocking Material: Water blocking tape.
5. Cable Filling Compound
6. Outer Sheath: black polyethylene.

### Technical Characteristics

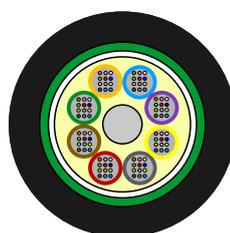
| Cable Type   | Fiber Count | Tubes + Fillers | Max. No. of Fibers in Tube | Cable Diameter (mm) | Cable Weight (kg/km) | Tensile Strength Long/Short Term (N) | Crush Resistance Long/Short Term (N/100 mm) |
|--------------|-------------|-----------------|----------------------------|---------------------|----------------------|--------------------------------------|---|
| GYTS-2~30    | 2~30        | 5               | 6                          | 9.8                 | 108                  | 600/1500                             | 300/1000                                    |
| GYTS-32~36   | 32~36       | 6               | 6                          | 10.4                | 129                  | 600/1500                             | 300/1000                                    |
| GYTS-38~60   | 38~60       | 5               | 12                         | 10.6                | 132                  | 600/1500                             | 300/1000                                    |
| GYTS-62~72   | 62~72       | 5               | 12                         | 12.1                | 161                  | 600/1500                             | 300/1000                                    |
| GYTS-74~96   | 74~96       | 8               | 12                         | 13.6                | 198                  | 600/2000                             | 300/1000                                    |
| GYTS-98~120  | 98~120      | 10              | 12                         | 15.4                | 260                  | 600/2500                             | 300/1000                                    |
| GYTS-122~144 | 122~144     | 12              | 12                         | 17.2                | 286                  | 600/2500                             | 300/1000                                    |



GYTS-30



GYTS-36



GYTS-96