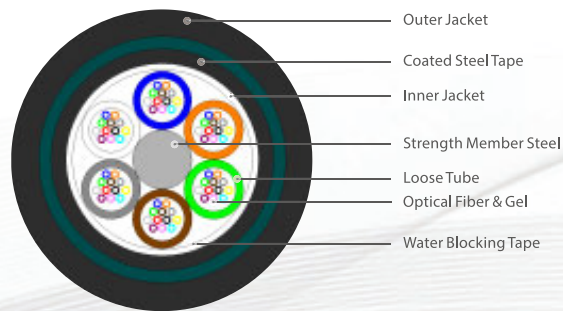


OUTDOOR CABLE

GYTY53



Description

GYTY53 optical cable is to sheath 250 μ m optical fiber into a loose tube made of high modulus material, and the loose tube is filled with waterproof compound. The center of the cable core is a metal reinforced core. For some fiber optic cables, a layer of polyethylene (PE) needs to be squeezed outside the metal reinforced core. The loose tube (and filling rope) is twisted around the central reinforcing core to form a compact and round cable core, and a layer of water blocking tape is added to the cable core. The cable is extruded with a layer of polyethylene inner sheath, double-sided plastic coated steel tape (PSP) is longitudinally wrapped, and then the polyethylene sheath is extruded into a cable.

Features

- Have good mechanical properties and temperature characteristics, good pressure resistance.
- The loose tube material itself has good water resistance and high strength.
- The tube is filled with special grease to protect the optical fiber critically.
- Specially designed compact optical cable structure, effectively preventing the sleeve from retracting.
- PE sheath has good anti-ultraviolet radiation performance.

Applications

- Long-distance communication, inter-office communication and fiber optic cable entry.
- Suitable for power system, heavy thunder and lightning and severe electromagnetic interference occasions.
- The optical cable complies with YD/T901-2009 and IEC60794-1 standards.

Cable Parameters

| Fiber Count | Cable Diameter mm | Cable Weight Kg/km | Tensile Long/Short Term (N) | Crush Long/Short Term N/100m | Bending Radius Static/Dynamic mm | Temperature °C |
|-------------|-------------------|--------------------|-----------------------------|------------------------------|----------------------------------|----------------|
| 2-30 | 11.6 | 128 | 1000/3000 | 1000/3000 | 12.5D/25D | -40~+70 |
| 32-60 | 12.2 | 142 | 1000/3000 | 1000/3000 | 12.5D/25D | -40~+70 |
| 62-72 | 12.8 | 165 | 1000/3000 | 1000/3000 | 12.5D/25D | -40~+70 |
| 74-96 | 13.9 | 180 | 1000/3000 | 1000/3000 | 12.5D/25D | -40~+70 |
| 98-120 | 15.1 | 219 | 1000/3000 | 1000/3000 | 12.5D/25D | -40~+70 |
| 122-144 | 16.3 | 262 | 1000/3000 | 1000/3000 | 12.5D/25D | -40~+70 |

Optical Characteristic

| Fiber Type | | Attenuation (dB/km) | | Full Bandwidth (MHZ.km) | Effective Bandwidth (MHZ.km) | 1Gbps Reach (m) | 10Gbps Reach (m) | Min Bend Radius (mm) |
|-------------|--------|---------------------|---------|-------------------------|------------------------------|-----------------|------------------|----------------------|
| Multi Mode | | 850/1300nm | | 850/1300nm | 850nm | 850/1300nm | 850/1300nm | / |
| | | Typical | Max | | | | | |
| 62.5/125 | OM1 | 3.0/1.0 | 3.5/1.5 | 200/500 | 220 | 275/550 | 33/300 | 30 |
| 50/125 | OM2 | 3.0/1.0 | 3.5/1.5 | 500/500 | 510 | 550/550 | 82/300 | 30 |
| 50/125-150 | OM2+ | 3.0/1.0 | 3.5/1.5 | 700/500 | 850 | 750/550 | 150/300 | 30 |
| 50/125-300 | OM3 | 3.0/1.0 | 3.5/1.5 | 1500/500 | 2000 | 1000/550 | 300/300 | 30 |
| 50/125-550 | OM4 | 3.0/0.7 | 3.0/1.0 | 3500/500 | 4700 | 1000/550 | 550/550 | 30 |
| Single Mode | | 1310/1550nm | | / | / | 1310/1550nm | 1310/1550nm | / |
| | | Typical | Max | | | | | |
| 9/125μm | G652D | 0.36/0.22 | 0.5/0.4 | - | - | 5000m | 10000-40000m | 30 |
| 9/125μm | G657A1 | 0.36/0.22 | 0.5/0.4 | - | - | 5000m | 10000-40000m | 10 |
| 9/125μm | G657A2 | 0.36/0.22 | 0.5/0.4 | - | - | 5000m | 10000-40000m | 7.5 |