

Micro Duct Fiber Cable(Air Blow)Cable (GYCFTY)

Description

Micro air blown fiber optic cable is mainly used in access network and metropolitan area network. By air blowing installation technology, without excavation surface in tiny pipe installation, also can be installed in the existing cable pipe, save pipeline resources, meet the real time capacity of the network. GL provides the micro optical cable technology reduce the early stages of the fiber optic cable construction cost, increase investment according to the demand of the network, to speed up the return on investment, is a good solution of FTTH.

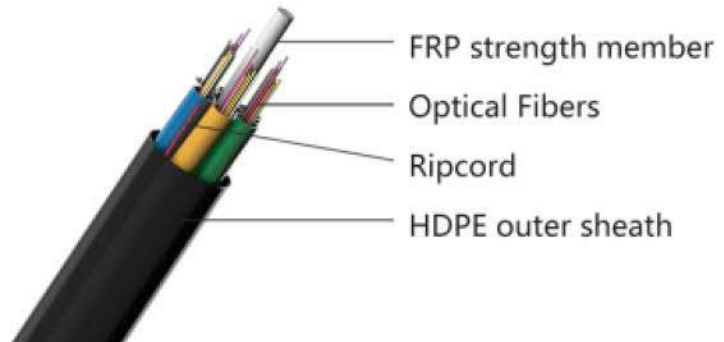
Application

Duct

Temperature Range

Operating : -40°C to +70°C

Storage : -40°C to +70°C



Characteristics

1. Micro module optical fibers and jelly inside
2. Easy to strip the micro module by ripcord
3. Aramid yarns and water-blocking yarns
4. Outer sheath: HDPE, with 2 FRP embedded in the sheath symmetrically

Standards

Comply with standard YD/T 901-2009 as well as IEC 60794-1

Technical Parameters

| Cable Type (increased by 2 fibers) | Fiber Count | Cable Diameter mm | Cable Weight kg/km | Tensile Strength Short Term N | Crush Resistance Short Term N/100mm | Bending Radius Static/Dynamic mm |
|---------------------------------------|-------------|----------------------|-----------------------|----------------------------------|---|-------------------------------------|
| GYCFTY/S2 ~94 | 2 ~ 94 | 5.6 | 30 | 550 | 100 | 10D/20D |
| GYCFTY/S96 ~142 | 96 ~142 | 6.4 | 40 | 550 | 100 | 10D/20D |
| GYCFTY/S 144 | 144 | 7.8 | 55 | 550 | 100 | 10D/20D |
| GYCFTY/S 288 | 288 | 10 | 85 | 550 | 100 | 10D/20D |

Micro Duct Fiber Unit(Air Blow)EPFU Cable

Description

Enhanced Performance Fiber Unit (EPFU) is a high-performance air-blown optical fiber bundle formed by curing optical fibers or fillers into photosensitive resin in a certain arrangement, and then extruding a special low-friction sheath.

Application

Duct

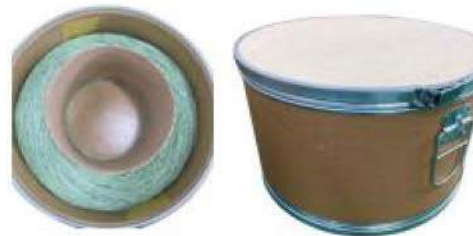
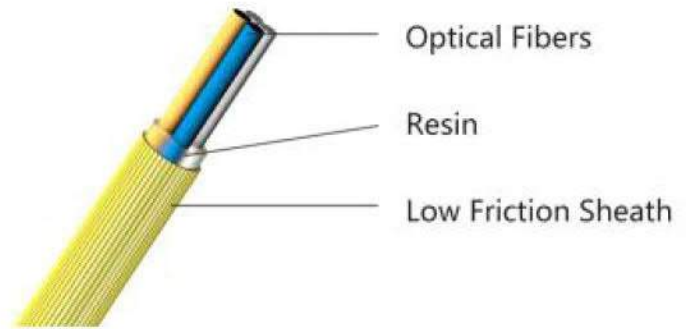
Temperature Range

Operating :-10°C to +60°C

Storage :-20°C to +70°C

Characteristics

1. Designed with special grooves to advance blowing distance
2. Light weight and proper stiffness, repeat installation
3. Designed with no gel, easy stripping and handling.
4. Better costs advantage compared to traditional product.
5. Complete accessories, less manpower, lower installation time.



Standards

Comply with standard YD/T 901-2009 as well as IEC 60794-1

Technical Parameters

| Cable Type (increased by 2fibers) | Fiber Count | Cable Diameter mm | Cable Weight kg/km | Tensile Strength Short Term N | Crush Resistance Short Term N/100mm | Bending Radius Static/Dynamic mm |
|--------------------------------------|-------------|----------------------|-----------------------|----------------------------------|---|-------------------------------------|
| EPFU /S2 ~4 | 2 ~ 4 | 1.2 | 1.2 | 550 | 100 | 10D/20D |
| EPFU /S6 | 6 | 1.4 | 1.6 | 550 | 100 | 10D/20D |
| EPFU /S8 | 8 | 1.6 | 2.3 | 550 | 100 | 10D/20D |
| EPFU /S12 | 12 | 1.8 | 2.9 | 550 | 100 | 10D/20D |

Stranded Loose Tube Cable with Aluminum Tape/Steel Tape (GYTA/GYTS)

Description

In the GYTA/S cable, single-mode/multimode fibers are positioned in the loose tubes, the tubes are filled with water blocking filling compound. Tubes and fillers are stranded around the strength member into a circular cable core. An APL/PSP is applied around the core. Which is filled with the filling compound to protect it. Then the cable is completed with a PE sheath.

Application

Duct/Aerial

Temperature Range

Operating : -40°C to +70°C

Storage : -40°C to +70°C



Characteristics

5. The following measures are taken to ensure the water blocking performance of the cable.
6. Single steel wire used as the central strength member
7. Special water-blocking filling compound in the loose tube.
8. 100% cable core filling

Standards

Comply with standard YD/T 901-2009 as well as IEC 60794-1

Technical Parameters

| Cable Type (increased by 2fibers) | Fiber Count | Cable Diameter mm | Cable Weight kg/km | Tensile Strength | | Crush Resistance | | Bending Radius | |
|--------------------------------------|-------------|-------------------------|--------------------------|-------------------|----------|------------------|---------|-------------------|--|
| | | | | Long/Short Term N | N/100mm | Long/Short Term | N/100mm | Static/Dynamic mm | |
| GYTA/S2 ~ 30 | 2 ~ 30 | 9.5 | 80 | 600/1500 | 300/1000 | 10D/20D | | | |
| GYTA/S 32 ~ 36 | 32 ~ 36 | 9.7 | 97 | 600/1500 | 300/1000 | 10D/20D | | | |
| GYTA/S 38 ~60 | 38 ~60 | 10.5 | 109 | 600/1500 | 300/1000 | 10D/20D | | | |
| GYTA/S62 ~72 | 62 ~72 | 11.5 | 126 | 600/1500 | 300/1000 | 10D/20D | | | |
| GYTA/S74 ~96 | 74 ~96 | 13.2 | 153 | 600/1500 | 300/1000 | 10D/20D | | | |
| GYTA/S98 ~120 | 98 ~120 | 14.6 | 182 | 600/2000 | 300/1000 | 10D/20D | | | |
| GYTA/S122 ~ 144 | 122 ~ 144 | 16.5 | 221 | 600/2500 | 300/1000 | 10D/20D | | | |
| GYTA/S 146 ~ 216 | 146 ~ 288 | 16.5 | 221 | 600/2500 | 300/1000 | 10D/20D | | | |

Stranded Loose Tube Cable with Non-metallic Central Strength Member (GYFTY)

Description

In the GYFTY cable, single-mode/multimode fibers are positioned in the loose tubes, while the loose tubes strand together around non-metallic central strength member (FRP) into a compact and circular cable core. The strength member would be covered with polyethylene (PE). The water-blocking materials are distributed into the interstices of the cable core. Then the cable is completed with a PE sheath.

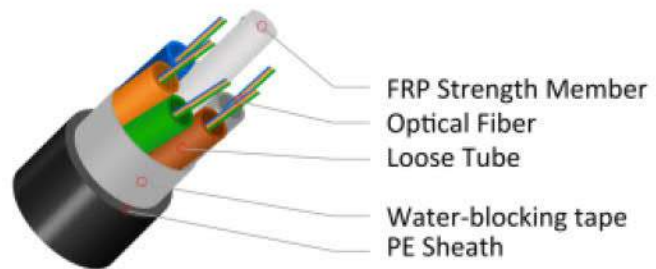
Application

Duct/Aerial

Temperature Range

Operating : -40°C to +70°C

Storage : -40°C to +70°C



Characteristics

1. Excellent mechanical and temperature Performance. Critical protection to fibers.
2. Excellent ultraviolet prevention with PE sheath, excellent crush resistance and flexibility

Standards

Comply with stand YD/T 901-2009 as well as IEC 60794-1

Technical Parameters

| Cable Type (Increased by 2fibers) | Fiber Count | Tubes | Fillers | Cable Diameter mm | Cable Weight kg/km | Tensile Strength | Crush Resistance Long/Short Term N/100mm | Bending Radius Static/Dynamic mm |
|--------------------------------------|-------------|-------|---------|-------------------|--------------------|-------------------|--|--|
| | | | | | | Long/Short Term N | | |
| GYFTY 2 ~ 12 | 8 ~ 12 | 2 | 5 | 11.0 | 97 | 600/1500 | 300/1000 | 10D/20D |
| GYFTY 14 ~ 18 | 14 ~ 18 | 3 | 4 | 11.0 | 97 | 600/1500 | 300/1000 | 10D/20D |
| GYFTY 20 ~ 24 | 20 ~ 24 | 4 | 3 | 11.0 | 97 | 600/1500 | 300/1000 | 10D/20D |
| GYFTY 26 ~ 30 | 26 ~ 30 | 5 | 2 | 11.0 | 97 | 600/1500 | 300/1000 | 10D/20D |
| GYFTY 32 ~ 36 | 32 ~ 36 | 6 | 1 | 11.0 | 97 | 600/1500 | 300/1000 | 10D/20D |