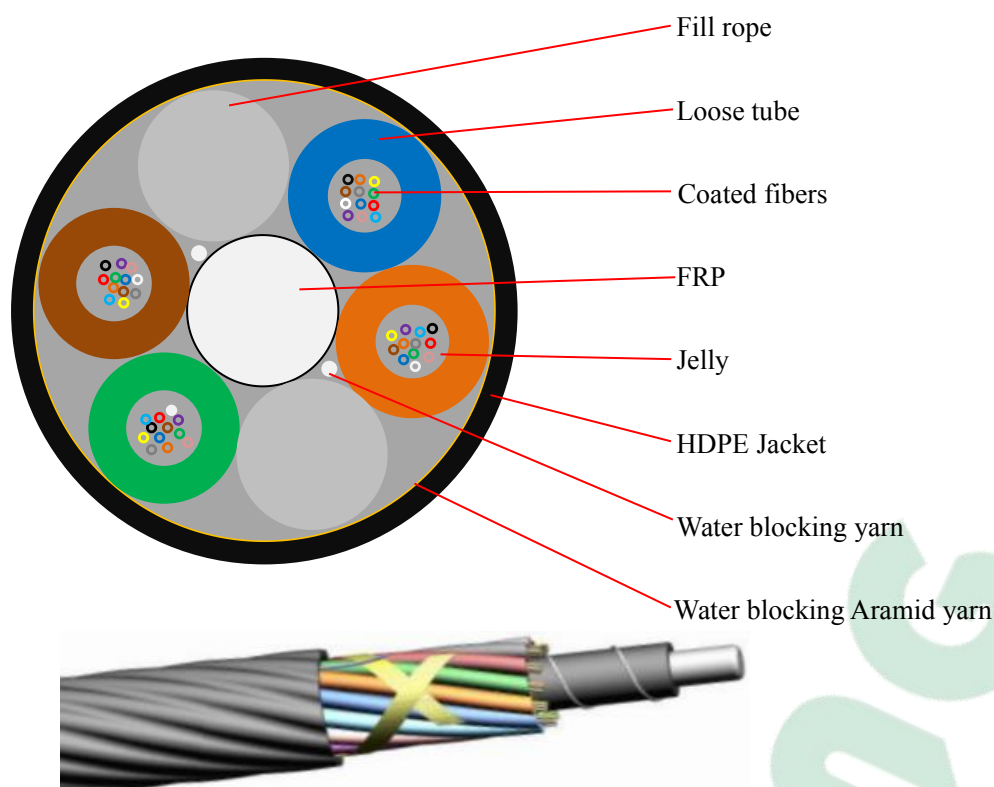


## GCYFTY Mini blown cable



## Optical fiber parameters

| No. | Items                                |        | Unit          | Specification            |                 |                 |                 |                 |
|-----|--------------------------------------|--------|---------------|--------------------------|-----------------|-----------------|-----------------|-----------------|
|     |                                      |        |               | G.652D                   | OM1             | OM2             | OM3             | OM4             |
| 1   | Mode Field Diameter / Core Diameter  |        | $\mu\text{m}$ | 9.2 $\pm$ 0.4            | 62.5 $\pm$ 2.5  | 50 $\pm$ 2.5    | 50 $\pm$ 2.5    | 50 $\pm$ 2.5    |
|     |                                      |        |               | 10.4 $\pm$ 0.5           |                 |                 |                 |                 |
| 2   | Cladding Diameter                    |        | $\mu\text{m}$ | 125.0 $\pm$ 0.7          | 124.8 $\pm$ 0.7 | 124.8 $\pm$ 0.7 | 124.8 $\pm$ 1.0 | 124.8 $\pm$ 1.0 |
| 3   | Cladding Non-Circularity             |        | %             | $\leq$ 0.8               | $\leq$ 0.7      | $\leq$ 0.7      | $\leq$ 1.0      | $\leq$ 1.0      |
| 4   | Core-Cladding Concentricity Error    |        | $\mu\text{m}$ | $\leq$ 0.6               | $\leq$ 0.5      | $\leq$ 0.5      | $\leq$ 1.5      | $\leq$ 1.5      |
| 5   | Coating Diameter                     |        | $\mu\text{m}$ | 247 $\pm$ 5              | 245 $\pm$ 5     | 245 $\pm$ 5     | 245 $\pm$ 7     | 245 $\pm$ 7     |
| 6   | Coating Non-Circularity              |        | %             | $\leq$ 6.0               | $\leq$ 6.0      | $\leq$ 6.0      | $\leq$ 6.0      | $\leq$ 6.0      |
| 7   | Cladding-Coating Concentricity Error |        | $\mu\text{m}$ | $\leq$ 12.0              | $\leq$ 12.0     | $\leq$ 12.0     | $\leq$ 12.0     | $\leq$ 12.0     |
| 8   | Cable Cutoff Wavelength              |        | nm            | $\lambda_{cc} \leq 1260$ | /               | /               | /               | /               |
| 9   | Attenuation(max.)                    | 1310nm | dB/km         | $\leq$ 0.35              | /               | /               | /               | /               |
|     |                                      | 1550nm |               | $\leq$ 0.22              | /               | /               | /               | /               |
| 10  | Attenuation Coefficient              | 850nm  | dB/km         | /                        | $\leq$ 2.5      | $\leq$ 2.7      | $\leq$ 2.5      | $\leq$ 2.5      |
|     |                                      | 1300nm |               | /                        | $\leq$ 0.7      | $\leq$ 0.6      | $\leq$ 0.6      | $\leq$ 0.6      |
| 11  | OFL Bandwidth                        | 850nm  | MHz·km        | /                        | /               | /               | $\geq$ 1500     | $\geq$ 3500     |
|     |                                      | 1300nm | MHz·km        | /                        | /               | /               | $\geq$ 500      | $\geq$ 500      |
| 12  | Effective Modal Bandwidth            | 850nm  | MHz·km        | /                        | /               | /               | $\geq$ 2000     | $\geq$ 4700     |
|     |                                      | 1300nm | MHz·km        | /                        | /               | /               | $\geq$ 500      | $\geq$ 500      |

## Fiber optic cable parameter

| Items                   |                             | Specifications                    |        |       |       |      |       |  |
|-------------------------|-----------------------------|-----------------------------------|--------|-------|-------|------|-------|--|
| Coating optical fiber   | Dimension                   | 260±5μm                           |        |       |       |      |       |  |
|                         | Material                    | printing ink                      |        |       |       |      |       |  |
|                         | Color                       | Blue                              | Orange | Green | Brown | Grey | White |  |
| Loose tube              | Material                    | PBT                               |        |       |       |      |       |  |
|                         | Filling materials           | Thixotropic jelly                 |        |       |       |      |       |  |
|                         | Color                       | Blue                              | Orange | Green | Brown | Grey | White |  |
| Reinforcement materials | Strengthening of the Centre | FRP                               |        |       |       |      |       |  |
|                         | Dimension                   | 1.6mm~4.5mm (PE+Coated)           |        |       |       |      |       |  |
| Jacket                  | Water-blocking materials    | Water blocking yarn & Aramid yarn |        |       |       |      |       |  |
|                         | Material                    | HDPE Black                        |        |       |       |      |       |  |

## Mechanical and Environmental Characteristics

| Items                      | Unite  | Specifications |
|----------------------------|--------|----------------|
| Tension (Long Term)        | N      | 200~500        |
| Tension (Short Term)       | N      | 500~1200       |
| Crush (Long Term)          | N/10cm | 400            |
| Crush (Short Term)         | N/10cm | 800            |
| Min. Bend Radius (Dynamic) | mm     | 20D            |
| Min. Bend Radius (Static)  | mm     | 10D            |
| Operating Temperature      | ℃      | -40~+70        |
| Storage Temperature        | ℃      | -30~+60        |

**Packing** Standard delivery lengths are 2km, 3km, 4km, with a tolerance of -1%~+3%

| Fiber Count | Cable diameter(mm) | Duct type (mm) | Drum Length (m) | Weight (Net) (kg) | Weight (Gross) (kg) | Packing Size L×W ×H(m) |
|-------------|--------------------|----------------|-----------------|-------------------|---------------------|------------------------|
| 12-72       | 5.6±0.1            | 8.0/1.0        | 3000            | 81                | 14                  | 0.7×0.7×0.5            |
| 96          | 6.4±0.1            | 8.0/1.0        | 3000            | 120               | 12.5                | 0.7×0.7×0.7            |
| 144         | 8.3±0.2            | 10.0/12.0      | 3000            | 195               | 17                  | 0.9×0.9×0.7            |

## Features and Benefits

Optimum cable structure, high fibre density.

Accurate fibre length balance, ensure stable performance.

No gel in cable core for water blocking, low carbon and environmental.

Structure Innovation in sheath, enhancing the blowing performance.