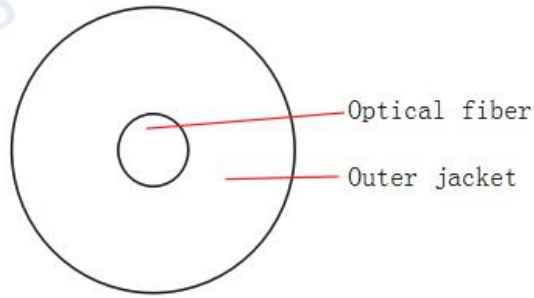


# GJI

## Cross Section of Cable



## Optical Fiber Type and Properties

| Item                                 |        | Unit  | Specification |
|--------------------------------------|--------|-------|---------------|
| Fiber Type                           |        |       | G.657B3       |
| Mode field diameter                  | 1310nm | μm    | 8.6-9.5 ± 0.4 |
| Cladding diameter                    |        | μm    | 125.0 ± 0.7   |
| Cladding non-circularity             |        | %     | ≤1.0          |
| Core concentricity error             |        | μm    | ≤0.5          |
| Coating diameter                     |        | μm    | 245 ± 7       |
| Coating/cladding concentricity error |        | μm    | ≤12.5         |
| Cable cut-off wavelength             |        | nm    | ≤ 1260        |
| Attenuation Coefficient              | 1310nm | dB/km | ≤0.4          |
|                                      | 1550nm | dB/km | ≤0.3          |
| Macro-bend loss (1 turn,10mm radius) | 1550nm | dB/km | ≤0.15         |
|                                      | 1625nm | dB/km | ≤0.45         |
| Proof stress level                   |        | kpsi  | ≥100          |

Note: Other parameters meet standard ITU-T G.657

## Dimensions of Cable Constructions

| Item                |                 | Parameters        |
|---------------------|-----------------|-------------------|
| Fiber               | Color           | Natural color     |
|                     | Number of cores | 1B6b3             |
| Outer jacket        | Material        | Nylon             |
|                     | Color           | Transparent color |
| Cable diameter (mm) |                 | 0.90±0.05         |
| Min. bending radius | Static          | 10D               |
|                     | Dynamic         | 20D               |
| Tensile performance | Short term      | 15N               |
| Crush               | Short term      | 50N/100mm         |

## Working Condition

| Item                  | Standard         | Parameters   |
|-----------------------|------------------|--------------|
| Operation temperature | IEC 60794-1-2 F1 | -5°C ~ +50°C |

## Drum

| Cable type | Drum   |       |                |
|------------|--------|-------|----------------|
|            | Height | Width | Inner diameter |
| GJI -1B6b3 | 250mm  | 275mm | 110mm          |

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