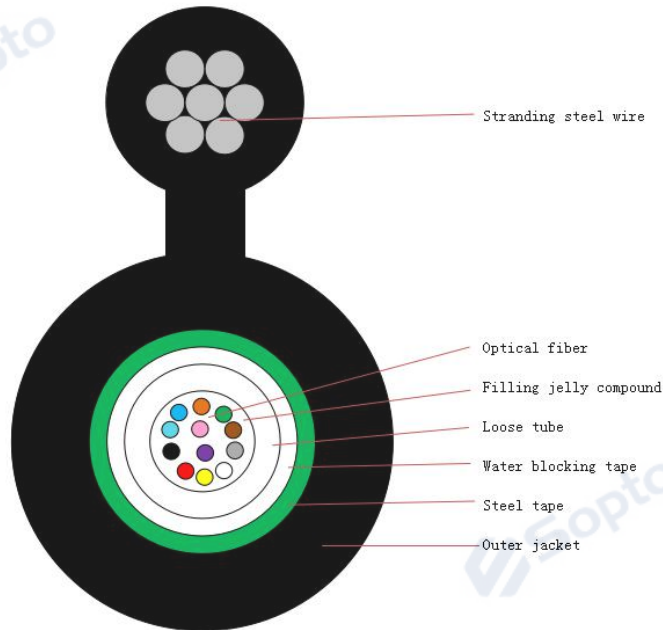


GYXTC8S

Cross Section of Cable



Optical Fiber Type and Properties

| Item | Unit | Specification |
|--------------------------------------|---------------|------------------------------|
| Fiber Type | | G.652 |
| Mode field diameter | 1310nm | 9.2 ± 0.4 μm |
| | 1550nm | 10.4 ± 0.8 μm |
| Cladding diameter | μm | 125.0 ± 1 |
| Cladding non-circularity | % | ≤ 1.0 |
| Core concentricity error | μm | ≤ 0.5 |
| Coating diameter | μm | 242 ± 7 |
| Coating/cladding concentricity error | μm | ≤ 12 |
| Cable cut-off wavelength | nm | ≤ 1260 |

| | | | |
|-------------------------|--------|-------|------|
| Attenuation Coefficient | 1310nm | dB/km | ≤0.4 |
| | 1550nm | dB/km | ≤0.3 |
| Proof stress level | | kpsi | ≥100 |

Note: Other parameters meet standard ITU-T G.652

Dimensions of Cable Constructions

| Fiber count | Structure | Fibers per tube | Loose tube diameter (mm) | Thickness of outer jacket(mm) | Cable diameter/ Height (mm) | Cable Weight (kg/km) |
|-------------|--------------|-----------------|--------------------------|-------------------------------|-----------------------------|----------------------|
| 12 | Central tube | 12 | 2.4±0.1 | 1.2±0.1 | 6.6 ±0.5/10.4 ±0.8 | 53 |

Cable Performance

| Item | | Parameters |
|---------------------|--|---|
| Loose tube | Material | PBT |
| | Color | Natural color |
| Messenger wire | Thickness | 0.8±0.1mm |
| | Diameter | 2.8±0.2mm |
| | Stranding steel wire | 0.4mm*7 |
| Armoured | Material | Plastic coated steel strip |
| Outer jacket | Material | MDPE |
| | Color | Black |
| Min. bending radius | Static | 10 times cable diameter |
| | Dynamic | 20 times cable diameter |
| Repeating bending | Load: 150N; number of cycles: 30, no obvious addition attention, no fiber break and no cable damage. | |
| Tensile performance | Short term | 400N |
| Crush | Short term | 1000N/100mm The addition attention ≤0.1dB |

Working Condition

| Item | Standard | Parameters |
|-----------------------|------------------|---|
| Operation temperature | IEC 60794-1-2 F1 | -20℃~+60℃ |
| Water penetration | IEC 60794-1-2-F5 | Water level: 1m ,sample: 3m, After 24h, no water ingress. |

Drum

| Cable type | Drum | | |
|---------------|--------|-------|----------------|
| | Height | Width | Inner diameter |
| GYXTC8S -12B1 | 700mm | 760mm | 350mm |

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