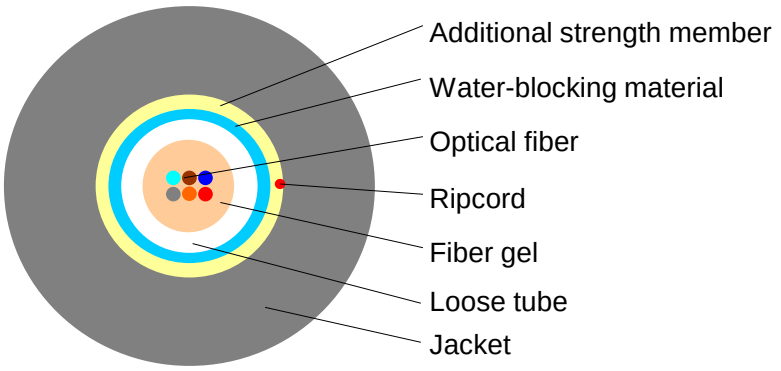
# OFC Specification

**Cable Type: GYFXTZY**

**Cable cross section diagram**




**- not to scale -**

**Technical data**

| | | |
|---|---|---|
| Fibers | No. of Fibres | 24 |
| | Fiber type | OM3 |
| Central Loose tube | Number × Fibres per tube | 1*24 |
| | Filling compound | Thyrotrophic jelly compound |
| | Material | PBT(Polybutylene Terephthalate with color coding) |
| | Diameter (nominal) /mm | 2,60 |
| | Thickness (nominal) /mm | 0,35 |
| Water blocking elements | Material | Water Swellable Yarn |
| Strength member | Material | Aramid Yarn |
| Ripcord | Material | Polyester Cords or Plastic Thread |
| | Number | 1 |
| Outer sheath | Material | LSZH, Color : black |
| | Thickness (nominal)/mm | 1,5 |
| | Cable diameter (nominal)/mm | 6,1 |
| | Cable weight (nominal)/kg/km | 42 |
| Packing | Wooden reel, 4.0km/reel ±0.5% | 1040*700mm |

**Optical Characteristics**

Attenuation @ 1300 nm≤1.0dB/km
Attenuation @ 850 nm≤3.0dB/km
Band width@ 1300 nm≥500MHz.km
Band width@ 850 nm≥1500MHz.km

**Main characteristics**

| | | |
|---|---|---|
| Max. tensile load | IEC 60794-1-2-E1 | Short term : 800N (Fibre strain ≤ 0.33%, Δα≤0.1dB)□ |
| Crush resistance | IEC 60794-1-2-E3 | Short term : 1000N/10cm (Δα≤0.1dB, cable integrity)□ |
| Temperature range | IEC 60794-1-2-F1 | Operation -10 -> +70°C Δα ≤ 0.1 dB /km□ |
| Water Penetration | IEC 60794-1-2-F5B | Sample=3m, water=1m, 24h, No water leakage |

*Note: 1. The nominal outer diameter may vary by ± 5%. 2. The nominal cable weight may vary by ±10%.*

**Fiber and Loose Tube Color According to EIA/TIA 598 A**

*1-Blue, 2-Orange, 3-Green, 4-Brown, 5-Grey, 6-White, 7-Red, 8-Black, 9-Yellow, 10-Violet, 11-Pink, 12-Aqua.*