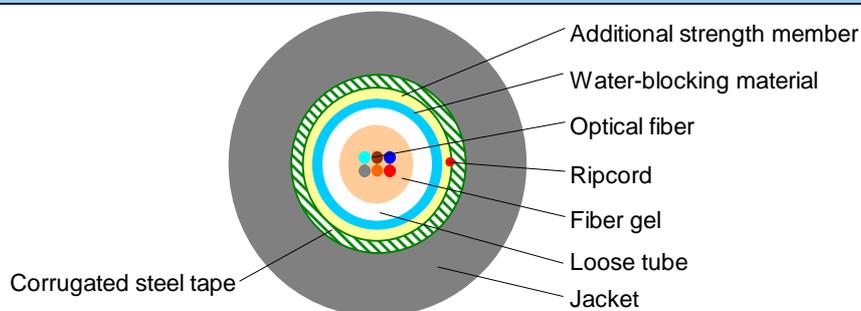


## OFC Specification

**Cable Type: GYFXTS**

### Cable cross section diagram



- not to scale -

### Technical data

Fibers	No. of Fibres	6	12
	Fiber type	A1b (OM1)	A1b (OM1)
Central Loose tube	Number × Fibres per tube	1*6	1*12
	Filling compound	Thyrotrophic jelly compound	
	Material	PBT(Polybutylene Terephthalate with color coding)	
	Diameter (nominal) /mm	2.60	2.60
	Thickness (nominal) /mm	0.35	0.35
Water blocking	Material	Water Swellable Yarn Filling	Water Swellable Yarn Filling
Strength member	Material	Aramid Yarn	Aramid Yarn
Ripcord	Material	Polyester Cords or Plastic Thread	
	Number	1	1
Armoring	Material	Corrugated steel tape coated with polymer on both sides	
	Steel tape thickness /mm	0.110 (nominal)	
	Polymer thickness /mm	0.050 (nominal)	
Outer sheath	Material	HDPE, Color : black	
	Thickness (nominal)/mm	1.8	1.8
	Cable diameter (nominal)/mm	8.1	8.1
	Cable weight (nominal)/kg/km	78	84
Packing	Wooden reel, 4.0km/reel ±0.5%	1100×550mm	1100×550mm

### Optical Characteristics

Attenuation @ 1300 nm ≤ 1.0dB/km

Attenuation @ 850 nm ≤ 3.0dB/km

Band width @ 1300 nm ≥ 500MHz.km

Band width @ 850 nm ≥ 200MHz.km

### Main characteristics

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

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.