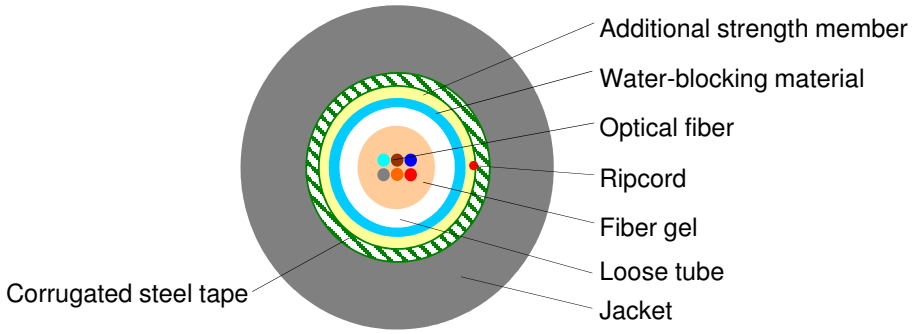
OFC Specification

Cable Type: GYFXTZS---78009CO01

Cable cross section diagram



- not to scale -

Technical data

Fibers	No. of Fibres	6
	Fiber type	OM1(A1b)
Central Loose tube	Number × Fibres per tube	1*6
	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 Filling Compound
Strength member	Material	Aramid Yarn
Ripcord	Material	Polyester Cords or Plastic Thread
	Number	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	LSZH, Color : black
	Thickness (nominal)/mm	1,8
	Cable diameter (nominal)/mm	7,4
	Cable weight (nominal)/kg/km	94
Packing	Wooden reel, 4.0km/reel ±0.5%	1250×710mm

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)
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%.

3. Values for single-mode fibres, all optical measurements performed at 1550 nm.

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.