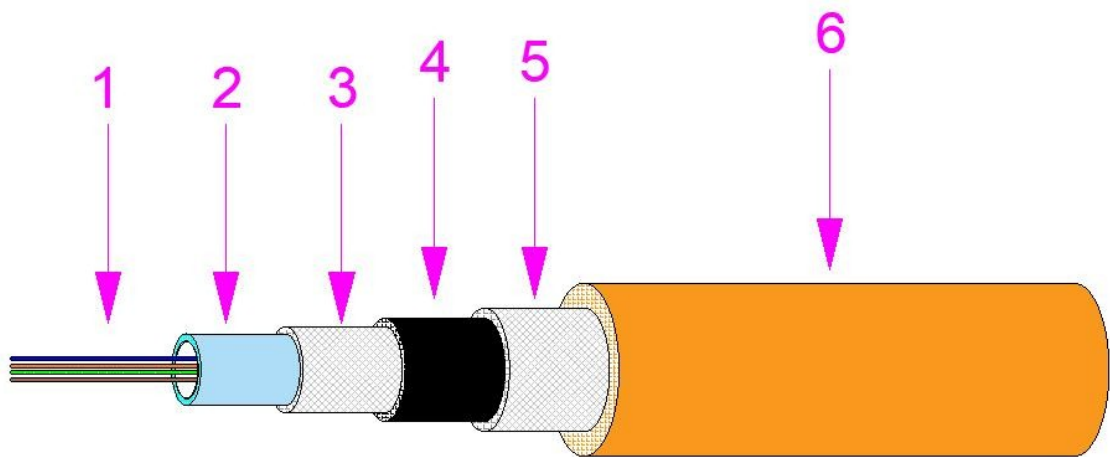


FiberLink™ GYTKH6H-4C-SM

Singlemode OS2 (9/125 μm) — 4 Fibers — Indoor/Outdoor LSZH Loose Tube Fiber Optic Cable



1. Optical fibers 2. Loose tube 3. Water blocking glass yarns 4. LSZH inner sheath 5. Water blocking glass yarns 6. LSZH outer sheath

APPLICATION ▶ Backbone cabling — Ethernet up to 400 Gbit/s ▶ Indoor links and protected outdoor links ▶ Trunkings and cable ducts ▶ DCS cabinet interconnection (project FEED spec)	KEY FEATURES ▶ LSZH jacket — low smoke, zero halogen ▶ Water-blocked loose tube construction ▶ Aramid yarn strength members + ripcord ▶ Indoor/outdoor rated, CPR Cca s1,d1,a1
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STANDARDS & COMPLIANCE

Optical Fiber	IEC 60793-2-50 B1.3 (OS2, G652D) & B6.a (G657A)
Optical Cable	IEC 60794
Optical System	ISO 11801, EIA/TIA 568-C.3, EN 50173
Fire Rating (sheath)	IEC 60332-1 — flame propagation, single cable
Smoke Emission	IEC 61034-2
Halogen Free	IEC 60754-1/2
Reaction to Fire (CPR)	Cca s1, d1, a1
Crush Resistance	IEC 60794-1-21, Method E3

CABLE CONSTRUCTION

Fiber Count	4 fibers
Fiber Type	Singlemode OS2, 9/125 μm
Tube Structure	Loose tube, water-blocked
Water Blocking	Water blocking glass yarns (inside & outside loose tube)
Inner Sheath	LSZH
Strength Member	Aramid yarns, per distribution cable
Ripcord	Yes — for easy sheath removal

Outer Sheath	LSZH, Yellow (RAL 1021), 1.0 mm thickness
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TECHNICAL & MECHANICAL CHARACTERISTICS

Outer Diameter	Approx. 5.6 mm
Weight	≈ 38 kg/km
Max Pulling Load	800 N
Min. Bending Radius	20 × Cable Diameter
Crush Resistance	Min. 1000 N / 100 mm (short-term, per IEC 60794-1-21 Method E3)
Operating Temperature	−20°C to +60°C
Storage Temperature	−20°C to +70°C

INSTALLATION NOTES

- ▶ Tight-buffered / distribution construction suitable for indoor control rooms, equipment rooms and cabinet-to-cabinet links with direct termination.
- ▶ For outdoor, buried, underground duct, duct-bank or harsh environmental routes, an outdoor-rated, loose-tube, water-blocked cable is required — this construction meets that requirement.
- ▶ For fuel/oil-contaminated environments (tank farms, pump skids, hydrant pump rooms), confirm hydrocarbon resistance of the LSZH sheath or specify a PE/HDPE outer jacket.
- ▶ For DCS cabinet ring interconnection requiring fire-resistant armoured construction per IEC 60331, an SWA/SWB armoured variant should be selected instead.

PACKING & ORDERING

Part No.	GYTKH6H-4C-SM
Standard Drum Length	4000 m / reel (unless otherwise specified in cable schedule)
Drum Marking	Manufacturer code, cable type, fiber count & spec, metric length, production number
Packing	Original manufacturer drum, protective wrapping, seal intact

Specifications in this datasheet are subject to change without prior notice. For project-specific certification documents and test reports, please contact our technical sales team.