

Submarine Fiber Optic Cable

Unrepeated Submarine Optical Fiber Cable

Submarine Fiber cable, externally wrapped with steel or steel wire, used directly under water, requires resistance to external mechanical damage and strong water pressure.

Features

1. High strength fiber — ensure stable signal transmission and effective peration life;
2. Special water blocking jelly — prevent the ingress of water or hydrogen gas;
3. On-line fiber excess control — exact fiber excess in finished cable;
4. Customezied Cables with different length and specification;
5. Stainless steel tube — avoid external damages to optic fiber.

Main parameters

Performance	Name	Unit	Standards
			Light armor
Mechanical performance	Ultimate tensile force	KN	80
	Transient tensile load	KN	60
	Working tensile load	KN	32
	Repeated bending	Times	50
	Minimum bend radius	m	0.5
	Impact	N.m	100
	Compressive strength	kN/100mm	10
Physical performance	Outer diameter	mm	23
	Weight in air	kg/km	890
	Weight in sea	kg/km	420
Water permeability	50Mpa, 14d	m	<1000
Electric power	DC resistance	Ω/km	0.9
	Insulation	MΩ•km	>10000
	Pressure, 3 minutes	VDC	>15000
Environmental performance	Operating temperature range	°C	-10~+50
	Storage temperature range	°C	-30~+60

Submarine Optical Fiber Cable-HOUC-2 Series

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Application

- Long-distance backbone network
- Urban ring network
- Access Network, FTTX
- Relay between communication machine rooms

Main Feature

- 2 ~ 288 cores
- Steel wire as strength member.
- Loose-tube twisted single sheath structure
- Steel wire armoring
- Applicable for underwater 100 meters
- Loose tube material with good hydrolysis resistance and high strength; Flooding jelly compound to ensure critical protection of fiber
- Compact structure, excellent waterproof performance, excellent mechanical performance and temperature performance

- bunched or ribbon fiber
- SM (G.652D, G.655, G.657.A1, G.657.A2) and MM(OM1,OM2,OM3,OM4) are available;
- PE, LSZH outer jacket material optional