

SUMMIT TELECOM

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Web: www.summittelecomm.com

E-mail: sales@summittelecomm.com

summittelecomm@hotmail.com



Special Fiber Optic Cables

Item Code: ST-SOFC02

Submarine Optical Fiber Cable

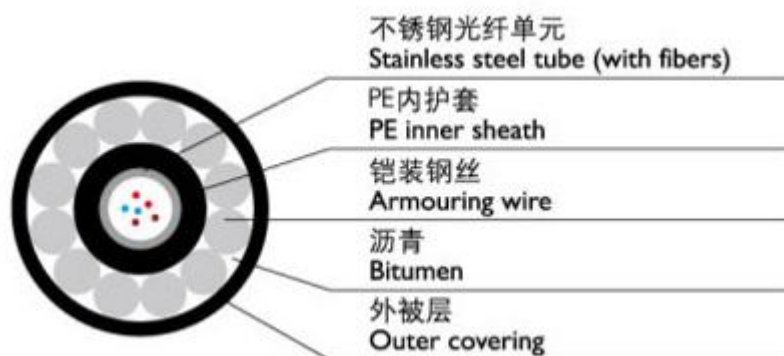
Central tube type single armored structure

Type:SOFC-SA/4~96SM

Stainless steel tube (with fibers),PE insulation inner sheath, single armored wire, bitumen, polypropylene rope outer covering.



Structure



Central tube type double armored structure

Type:SOFC-DA/4~96SM

Stainless steel tube (with fibers),PE insulation inner sheath, double armored wire, bitumen, polypropylene rope outer covering.



Structure



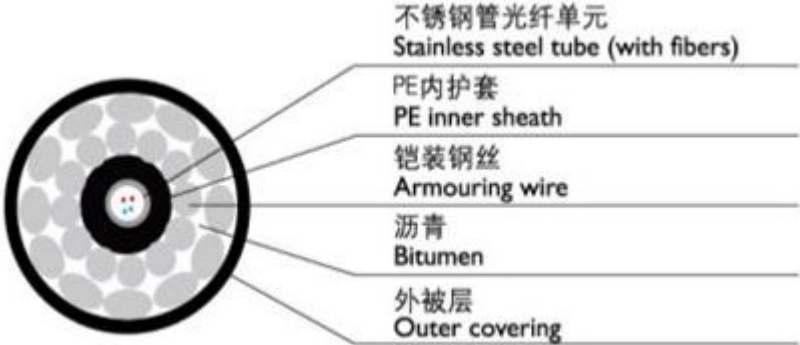
Central tube type rock armored structure

Type: SOFC-RA/4~96SM

Stainless steel tube (with fibers),PE insulation inner sheath, double rock armored wire, bitumen, polypropylene rope outer covering.



Structure



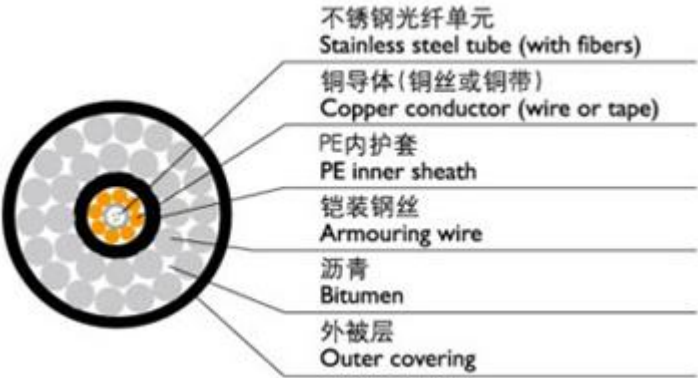
Central tube type double armoured feeding structure

Type:SOFC-DA/4~96SM-R

Stainless steel tube (with fibers), feeding copper conductor, PE insulation inner sheath, armored wire, bitumen, polypropylene rope outer covering.



Structure



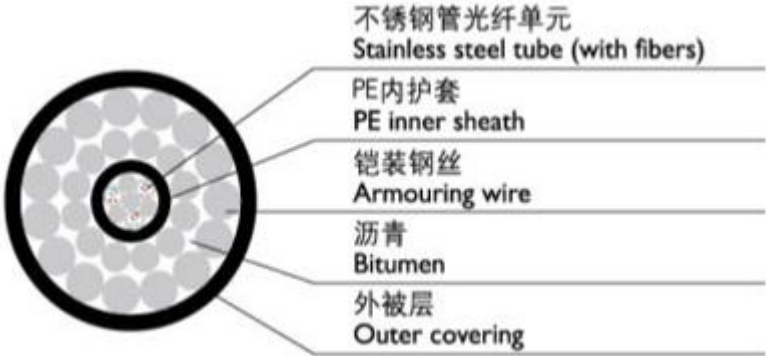
Stranded double armored structure

Type:SOFC-DA/36~288SM

Stranded fiber unit, PE insulation inner sheath, double armored wire, bitumen, polypropylene rope outer covering.



Structure



Technical Specifications of Submarine Optical Fiber Cable Typical Structure

Type	Nominal outer diameter	Nominal weight		Crack tensile load	Nominal transient tensile load	Nominal operating tensile load	Nominal permanent tensile load	No tension Min. Bending radius	Flattening	Impact	Repeated bending	Operating temperature	Storage temperature
		In air	In sea										
SOFC-SA	22	1.0	0.6	100	60	30	20	0.75	>20	>200	50	-20~+50	-30~+60
SOFC-SA	27	1.4	1.0	200	120	60	40	0.75	>20	>200	50	-20~+50	-30~+60
SOFC-SA	33	3.2	2.5	350	210	105	70	0.90	>20	>200	50	-20~+50	-30~+60
SOFC-DA	28	2.2	1.6	260	156	78	52	0.75	>30	>300	30	-20~+50	-30~+60
SOFC-DA	34	3.3	2.4	400	240	120	80	0.85	>40	>400	30	-20~+50	-30~+60
SOFC-DA	40	4.8	3.7	600	360	180	120	1.00	>40	>400	30	-20~+50	-30~+60
SOFC-DA	42	5.6	4.1	800	480	240	160	1.10	>40	>400	30	-20~+50	-30~+60
SOFC-DA	44	7.2	6.2	450	300	160	100	1.10	>40	>400	30	-20~+50	-30~+60

Note: SA—single armored DA—double armored RA—rock armored