

# SUMMIT TELECOM

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## Special Fiber Optic Cables

Item Code: ST-SOFC01

### Deep Sea Optical Fiber Cable

Central tube type inner armored structure

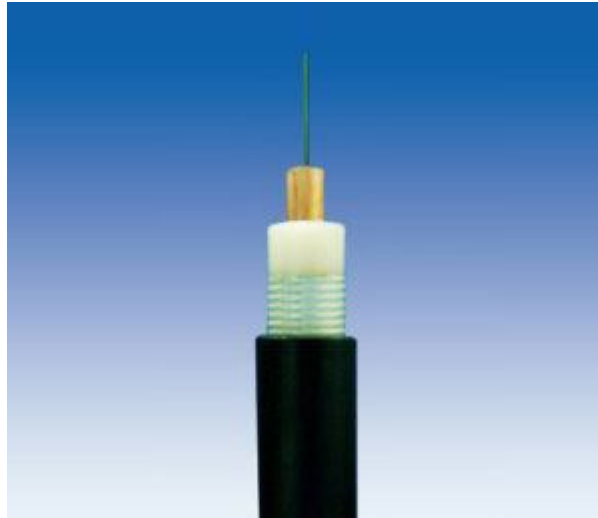
Type: SOFC-LW

Stainless steel tube (with fibers), high strength unequal diameter steel wire inner armor (tight structure), feeding copper conductor, high density PE outer sheath.

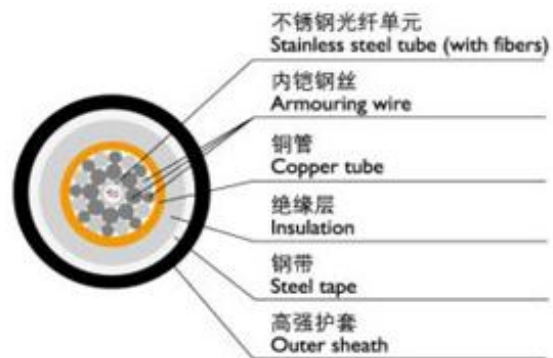


Type: SOFC-LWP

Stainless steel tube (with fibers), high strength unequal diameter steel wire inner armor (tight structure), feeding copper conductor, insulation, steel tape, high density PE outer sheath.



### Structure



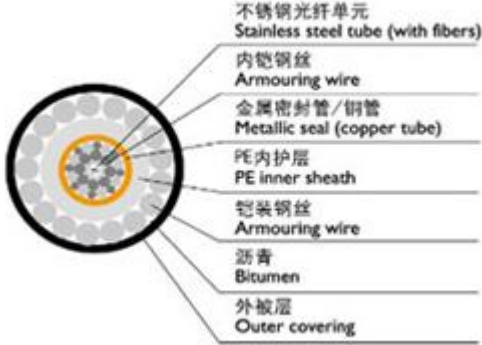
### Central tube type inner armored core outer armored structure

#### Type: SOFC-SA

Stainless steel tube(with fibers),high strength unequal diameter steel wire inner armor, metallic tube sealing, high density PE sheath, single steel wire armor, bitumen, polypropylene rope outer covering.



**Structure**

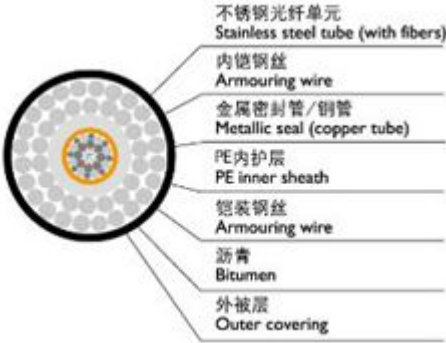


**Type: SOFC-DA**

Stainless steel tube(with fibers),high strength unequal diameter steel wire inner armor, metallic tube sealing, high density PE sheath, double steel wire armor, bitumen, polypropylene rope outer covering.



Structure



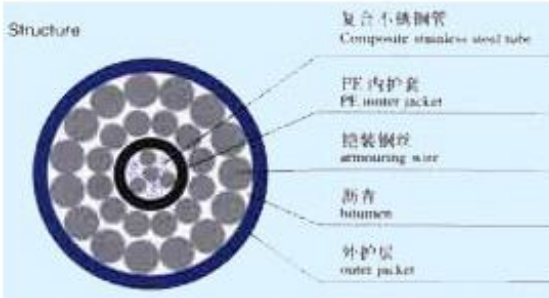
Stranded structure

Type: SOFC-CSK/24-96SM

Composite stainless steel tube (with fibers), PE insulated inner sheath, steel wire armor, bitumen, polypropylene rope outer covering.



Structure



**Technical Specifications**

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-LW	17	0.62	0.4	80	50	30	20	0.5	>10	>100	50	-20~+50	-30~+60
SOFC-LWP	23.6	0.86	0.43	80	50	30	20	0.5	>10	>100	50	-20~+50	-30~+60
SOFC-SA	30.4	2.48	1.88	320	210	125	65	1.0	>20	>200	50	-20~+50	-30~+60
SOFC-DA	39.4	5.12	3.91	660	420	265	135	1.2	>40	>400	30	-20~+50	-30~+60

Note: LW—deep sea optical fiber cable  
 LWP—defensive deep sea optical fiber cable  
 SA—single armored      DA—double armored