

# CHINA HI-SEA MARINE EQUIPMENT IMPORT&EXPORT CO.,LTD.

## ACSR conductor XLPE insulated aerial cable

### ACSR conductor XLPE insulated aerial cable application

This product is suitable for overhead power transmission project with A.C rated voltage 10KV and below. Because its usage of ACSR as conductor, it has a certain carrying capacity. Generally it has relatively higher tensile strength to normal overhead cable.

### ACSR conductor XLPE insulated aerial cable service condition

- 1, Rated voltage 1kV, 10kV.
- 2, cable laying temperature is not lower than 0 °C.
- 3, short (the longest duration of no more than 5S) the maximum temperature of the cable is 250 °C.
- 4, the cable conductor allowable working temperature is 90 °C.
- 5, the bending radius of the cable: 1kV overhead cables not less than 6 times the cable diameter; 10kV overhead lines not less than 20 times the cable diameter.

### ACSR conductor XLPE insulated aerial cable Model

Model	Name	Installation precautions
JKLGYJ	ACSR conductor XLPE insulated aerial cable	Overhead fixed installation. While installation, cable should keep a certain distance with trees. While working, contact with trees is allowable.
JKLGYJ/Q	ACSR conductor Light XLPE insulated aerial cable	Overhead fixed installation. While installation, cable should keep a certain distance with trees. While working, short contact with trees is allowable.

### ACSR conductor XLPE insulated aerial cable Specification

Model	Rated Voltage (kV)	Cores	Nominal Area (mm <sup>2</sup> )	
			Aluminum conductor	ACSR conductor
JKLGYJ JKLGYJ/Q	10 and below	1	25~300	4~70

Note: Users can request the production of other types of multi-core or stranded core steel and aluminum overhead cable.

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## ACSR conductor XLPE insulated aerial cable technical performance

1. Conductor structure, the DC resistance and tensile force compliance with standards.

2. Cables withstand the test voltage in Table below for 1 minute, no breakdown.

Rated Voltage U kV	1	10	
Test Voltage Us kV	3.5	Normal insulation construction cable	Light thin insulation construction cable
		18	12

3. Insulation resistance: at room temperature, immersed cable in water for 1h, 80 ~ 500V DC voltage is applied, the settling time of 1min ~ 5min, rated voltage 10kV cable insulation resistance of not less than 1500M $\Omega$ /km, lightweight insulation thin cable insulation resistance of not less than 1000 M $\Omega$  / km.