

10KV 35KV XLPE insulated aerial cable

10KV 35KV XLPE insulated aerial cable application

This product is new product for overhead power transmission,intended for the power grid construction and transformation of 10kv, 35kv transmission line projects. It is the most suitable line maintenance and safety products. Soft copper core product is suitable for the transformer leads.

10KV 35KV XLPE insulated aerial cable service condition

1)rated voltage of 10kv, 35kv.

2)cable laying temperature should not be less than 0 °C.

3)short circuit (the longest duration of no more than 5s) the maximum temperature of the cable:

XLPE insulated 250 °C;

High-density polyethylene insulation 150 °C.

4)the maximum long-term allowable working temperature of cable conductor:

There are cables carrying line structure, the maximum allowable operating temperature long insulated decision.

XLPE 90 °C;

High-density polyethylene insulation 75 °C.

5)the cable bending radius:

Cables should not be less than 20 times the cable diameter;

Multi-core cable is not less than 15 times the cable diameter.

10KV 35KV XLPE insulated aerial cable model

Model	Name	Installation precautions
JKYJ	Copper conductor XLPE insulated aerial cable	Overhead fixed installation , soft copper products used in transformers leads . Cable should keep a certain distance with trees
JKTRYJ	Flexible Copper conductor XLPE insulated aerial cable	
JKLYJ	Aluminum conductor XLPE insulated aerial cable	
JKLHYJ	Aluminum Alloy conductor XLPE insulated aerial cable	
JKY	Copper conductor PVC insulated aerial cable	
JKTRY	Flexible Copper conductor PVC insulated aerial cable	
JKLY	Aluminum conductor PVC insulated	

	aerial cable	
JKLHY	Aluminum Alloy conductor PVC insulated aerial cable	
JKLYJ/B	Aluminum conductor True color cross-linked Polyethylene insulated aerial cable	Overhead fixed installation . Cable should keep a certain distance with trees while installation
JKLHYJ/B	Aluminum alloy conductor True color cross-linked Polyethylene insulated aerial cable	
JKLYJ/Q	Aluminum conductor light cross-linked polyethylene insulated aerial cable	Overhead fixed installation . Cable should keep a certain distance with trees while installation,short time contact between cables and trees is allowable.
JKLHYJ/Q	Aluminum alloy conductor cross-linked polyethylene insulated aerial cable	
JKLY/Q	Aluminum conductor light polyethylene insulated aerial cable	
JKLHY/Q	Aluminum alloy conductor light polyethylene insulated aerial cable	

10KV 35KV XLPE insulated aerial cable Specification

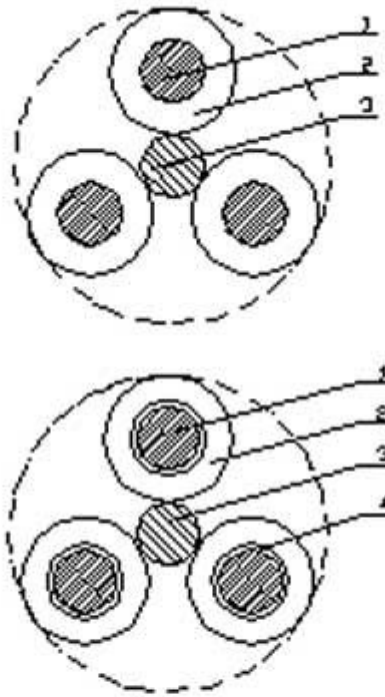
Model	Cores	Rated Voltage(kV)	
		10	35
		Nominal Area(mm ²)	
JKYJ	1	10~300	50~300
JKTRYJ	3	25~300	-
JKLYJ	3+K(A) or 3+K(B)	25~300	-
JKLHYJ		K:25~120	-
JKY JKTRY JKLY JKLHY JKLYJ/Q JKLHYJ/Q JKLY/Q JKLHY/Q	1	10~300	-

JKLYJ/B JKLHYJ/B	3	25~300	-
	3+K(A) or 3+K(B)	25~300	-
		K:25~120	-

10KV 35KV XLPE insulated aerial cable technical performance

Item	Name	Measurement	Data	
			10kV	35kV
1	Insulation resistance	MΩ/km	1500(Light type:1000)	4100
2	A.C Voltage test (1min)	kV	18(Light type:12)	63
3	Partial discharge test	pC	≤20	-
4	Hot set test	%	≤175	≤175
5	Bending test	mm	Single core : 20 (D+d)±5%	20(D+d)±5%
6	Impulse voltage test	kV	93.8 (Light type75)	250
7	Insulation resistance, leakage trace test (no external shield)	A	≤0.5	≤0.5
8	Insulation adhesion (slippage) test	N	≥180	≥180
9	Semiconducting layer peel test (with outer shield)	N	8~40	-

10KV 35KV XLPE insulated aerial cable Construction



1. Conductor 2. Insulation
3. Carrying line 4. Conductor shield