



Hangzhou Easy Electric Wire and Cable Co.,LTD

Add: Room 305, Building 2, No. 380 Fengxin Road, Hangzhou, China

www.eescable.com

TEST REPORT

product name: Aerial Insulated Cable Report No: PUO.20230321002

Model Specifications: 1*1/0AWG(AAC/XLPE)+1*1/0AWG (ACSR) Date: 2023.04.16

Length: 2000m Test based: By technical agreement

NO	Test items	unit	standard requirement	test result
1	structure size			
1.1	Number of conductor single wires	root	phase conductor19/1.89 bare wire 6/3.37+1/3.37	phase conductor 19/1.89 bare wire 6/3.37+1/3.37
1.2	single line tensile strength	N/mm ²	phase ≥ 195 bare wire ≥ 170	phase 207 bare wire184
1.3	Strand outer diameter	mm	phase 9.45 bare wire10.11	phase 9.44bare wire10.1
1.4	Twist		phase right bare wire right	phase right bare wire right
1.5	pitch ratio	times	phase 10-14bare wire10-14	phase 11.2bare wire13.4
2	Insulation Materials		XLPE	XLPE
2.1	Insulation Average Thickness	mm	≥ 1.52	1.60
2.2	Thickness at the thinnest point	mm	≥ 1.37	1.54
2.3	Insulation outer diameter	mm	≥ 12.5	12.6
3	Conductor maximum DC resistance (20°C)	Ω/km	phase conductor 0.5414 bare conductor 0.5343	phase conductor 0.5337 bare conductor 0.5216
4	AC voltage	kV	Single-phase 3.5kV/1min without breakdown	Not broken down
5	Thermal extension test			



Hangzhou Easy Electric Wire and Cable Co.,LTD

Add: Room 305, Building 2, No. 380 Fengxin Road, Hangzhou, China

www.eescable.com

5.1	elongation under load	%	≤ 175	60
5.2	permanent elongation after cooling	%	≤ 15	0
6	printed logo		hot print, complete, clear	accord
7.1	Cabling direction	mm	Right	right
7.2	Cabling aspect ratio	times	No more than 25-60 times the outer diameter of the phase wire	41
7.3	Cable outer diameter	mm	22.63	22.68
Conclusion: The inspected items meet the requirements of technical agreement standards.				

Inspection: Jin Xiaoping

Audit: Shi Dongdong

Approval: Wang Aihong

杭州益睿电线电缆有限公司
HANGZHOU EASY ELECTRIC WIRE AND CABLE CO., LTD.