



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*4AWG(AAC/XLPE)+1*4AWG(ACSR) Test date: 2023.04.16

Length: 3000m Test Based on: By technical agreement

No	Test Items	Unit	Standard Requirement	Test Result
1	structure size			
1.1	Number of conductor single wires	root/diameter	Phase conductor 7/1.96 Bare wire 6/2.12+1/2.12	Phase conductor 7/1.96 Bare wire 6/2.12+1/2.12
1.2	single line tensile strength Steel wire tensile strength	N/mm 2	Phase wire ≥ 195 Bare wire ≥ 190 ≥ 1340	Phase wire 224 Bare wire 216 1573
1.3	Strand outer diameter	mm	Phase wire 5.88 Bare wire 6.36	Phase wire 5.88 Bare wire 6.36
1.4	Twist		Phase wire Right Bare wire Right	Phase wire Right Bare wire Right
1.5	pitch ratio	Times	Phase wire 13-16 Bare wire 12-14.5	Phase wire 15.3 Bare wire 12.6
2	Insulation Materials		XLPE	XLPE
2.1	Insulation Average Thickness	mm	≥ 1.14	1.19
2.2	Thickness at the thinnest point	mm	≥ 1.03	1.12
2.3	Insulation outer diameter	mm	≥ 8.17	8.22
3	Conductor maximum DC resistance (20°C)	Ω/km	Phase conductor 1.3539 bare conductor 1.3501	Phase conductor 1.3097 bare conductor 1.3102
4	AC voltage	kV	Single-phase 3.5kV/1min without breakdown	Not broken down
5	Thermal extension test			
5.1	elongation under load	%	≤ 175	60
5.2	permanent elongation after cooling	%	≤ 15	0



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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	14.52	14.68
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.