



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.20230330002

Model specification: 1*2AWG(AAC/XLPE)+2AWG(ACSR) DATE: 2023.04.18

Quantity: 4500m Inspection basis: According to technical agreement

No	Test Items	Unit	Standard Requirement	Test Result
1	structure size			
1.1	Number of conductor single wires	root/dia meter	Phase 7/2.47 Neutral 6/2.67+1/2.67	Phase 7/2.47 Neutral 6/2.67+1/2.67
1.2	Aluminum Single Wire Mechanical Properties Steel wire mechanical properties	N/mm ²	Phase ≥ 175 Neutral ≥ 170 Steel wire ≥ 1410	Phase 188 Neutral 194 Steel wire 1550
1.3	Stranded tight outer diameter	mm	Phase 7.41 Neutral 8.01	Phase 7.40 Neutral 8.0
1.4	Twist		Phase right Neutral right	Phase right Neutral right
1.5	pitch ratio	Times	Phase 13-16 Neutral 10-14	Phase 14.2 Neutral 13.6
2	Insulation Thickness			
2.1	Insulation Average Thickness	mm	≥ 1.14	1.21
2.2	Thickness at the thinnest point	mm	≥ 1.03	1.15
2.3	Insulation outer diameter	mm	≥ 9.71	9.8



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3	Thermal extension test			
3.1	Elongation at break under load	%	≤175	65
3.2	Permanent deformation rate after cooling	%	≤15	0
4	Conductor DC resistance (20℃)	Ω/km	Phase ≤0.8525 Neutral ≤0.8512	Phase 0.8396 Neutral 0.8235
5	AC voltage	kV	3.5kV/1min No breakdown	3.5kV/1min No breakdown
6	Printed logo, spacing		hot print, complete, clear	pass
7.1	Cabling direction		right	right
7.2	Cabling aspect ratio	times	Not larger than the outer diameter of the phase wire 25-60times	42
7.3	Cable outer diameter	mm	17.72	17.80

Conclusion: The inspected items meet the technical agreement standard requirements.

Inspection: Shi Dongdong Review: Wang Xiaoyan Approval: Wang Aihong

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