



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: 3*1/0AWG(AAC/XLPE)+1*1/0AWG(ACSR) DATE: 2023.04.21

Quantity: 2000m 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 19/1.89 Bare wire 6/3.37+1/3.37	Phase 19/1.89 Bare wire 6/3.37+1/3.37
1.2	Aluminum Single Wire Mechanical Properties Steel wire mechanical properties	N/mm ²	Phase≥195 Bare wire≥170≥1410	Phase 207 Bare wire184 1538
1.3	Stranded tight outer diameter	mm	Phase 9.45 Bare wire10.11	Phase 9.44 Bare wire10.1
1.4	Twist		Phase right Bare wire right	Phase right Bare wire right
1.5	pitch ratio	Times	Phase 10-14 Bare wire10-14	Phase 11.2 Bare wire13.4
2	Insulation Thickness		XLPE	XLPE
2.1	Insulation Average Thickness	mm	≥1.52	1.61 1.59 1.60
2.2	Thickness at the thinnest point	mm	≥1.37	1.54 1.51 1.51



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2.3	Insulation outer diameter	mm	≥ 12.5	12.6 12.6 12.6
3	Thermal extension test		Phase 0.5414 Bare conductor 0.5343	Phase 0.5319 Bare conductor 0.5237
4	Elongation at break under load	%	3.5kV/1min No breakdown	No breakdown
5	Permanent deformation rate after cooling	%		
5.1	Conductor DC resistance (20°C)	Ω/km	≤ 175	60 65 55
5.2	AC voltage	kV	≤ 15	0 0 0
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	48
7.3	Cable outer diameter	mm	28.77	28.85
<p>Conclusion: The inspected items meet the technical agreement standard requirements.</p>				

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.