



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\*2/0AWG(AAC/XLPE)+1\*2/0AWG(ACSR) DATE: 2023.04.23

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 19/2.13 Bare wire 6/3.78+1/3.78	Phase 19/2.13 Bare wire 6/3.78+1/3.78
1.2	Aluminum Single Wire Mechanical Properties Steel wire mechanical properties	N/mm <sup>2</sup> N/mm <sup>2</sup>	Phase $\geq 190$ Bare wire $\geq 170 \geq 1380$	Phase 217 206 212 Bare wire 186 1506
1.3	Stranded tight outer diameter	mm	Phase 10.65 Bare wire 11.34	Phase 10.64 Bare wire 11.35
1.4	Twist		Phase right Bare wire right	Phase right Bare wire right
1.5	pitch ratio	Times	Phase 10-14 Bare wire 10-14	Phase 11.9 Bare wire 12.8
2	Insulation Thickness		XLPE	XLPE
2.1	Insulation Average Thickness	mm	$\geq 1.52$	1.60 1.59 1.58
2.2	Thickness at the thinnest point	mm	$\geq 1.37$	1.53 1.51 1.512



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2.3	Insulation outer diameter	mm	$\geq 13.7$	13.8 13.8 13.7
3	Thermal extension test	$\Omega/\text{km}$	Phase 0.4264 Bare conductor 0.4247	Phase 0.4192 Bare conductor 0.4098
4	Elongation at break under load	kV	3.5kV/1min No breakdown	No breakdown
5	Permanent deformation rate after cooling			
5.1	Conductor DC resistance (20°C)	%	$\leq 175$	65 65 60
5.2	AC voltage	%	$\leq 15$	0 0 0
6	Printed logo, spacing		hot print, complete, clear	pass
7.1	Cabling direction	mm	right	right
7.2	Cabling aspect ratio	Times	Not larger than the outer diameter of the phase wire 25-60times	50
7.3	Cable outer diameter	mm	31.61	31.68
<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.**