



TEST REPORT

Product Name: Aerial Insulated Cable Report No: PUO.20230330002

Model specification: 1*4AWG(AAC/XLPE)+1*4AWG (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	Phase7/1.96 Bare wire6/2.12+1/2.12	Phase 7/1.96 Bare wire 6/2.12+1/2.12
1.2	Aluminum Single Wire Mechanical Properties Steel wire mechanical properties	N/mm2	Phase \geq 195 Bare wire \geq 190 Steel wire \geq 1450	Phase227 Bare wire 214 1562
1.3	Stranded tight outer diameter	mm	Phase5.88 Bare wire 6.36	Phase5.88 Bare wire 6.36
1.4	Twist		Phase right Bare wire right	Phase right Bare wire right
1.5	pitch ratio	Times	Phase13-16 Bare wire12-14.5	Phase15.3 Bare wire13.5
2	Insulation Thickness		XLPE	XLPE
2.1	Insulation Average Thickness	mm	\geq 1.14	1.20
2.2	Thickness at the thinnest point	mm	\geq 1.03	1.14
2.3	Insulation outer diameter	mm	\geq 8.17	8.24
3	Thermal extension	Ω /km	Phase 1.3539	Phase 1.3339



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	test		Bare wire 1.3501	Bare wire 1.3124
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)	%	≤175	65
5.2	AC voltage	%	≤15	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	41
7.3	Cable outer diameter	mm	14.52	14.69

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

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

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HANGZHOU EASY ELECTRIC WIRE AND CABLE CO., LTD.