



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: ACSR

Quantity: 6 piece

Specification Model: ACSR 4AWG

Batch Quantity: 30km

No: PUO.20230330002

Date of report: April 17, 2023

No	Test items	Unit	standard requirement	Inspection result
1	structure size			
1.1	The number of Aluminum wire diameter	root mm	6 2.12±0.02mm	6 2.12 2.12 2.11
1.2	Aluminum wire twist		right	right
1.3	Aluminum pitch ratio	times	10-14	13.5
1.4	The number of Wire diameter	root mm	1 2.12±0.02mm	1 2.11 2.11 2.14
1.5	Strand direction		/	/
1.6	Steel wire pitch ratio	times	/	/
2	Theoretical kilometer weight	Kg/Km	/	/
3	Workmanship quality		Bright and clean. Twisted tightly	accord
4	Aluminum wire properties			
4.1	tensile strength	MPa	Average not less than170	187
4.2	winding experiment		1d, 8 turns, 6 turns, rewinding without breaking	PASS
4.3	Conductor DC Resistance (20℃)	Ω/km	Not more than 1.3501Ω/km	1.3057
5	Steel wire properties			
5.1	tensile strength	N/mm ²	Not less than1450	1556
5.2	Stress at 1% elongation	N/mm ²	Not less than1280	1302
5.3	Elongation	%	Not less than3.5%	5.2
5.4	winding test		(1d, 8 circles) no break	PASS
5.5	Zinc layer weight test	g/m ²	220	247
5.6	Zinc layer adhesion test		No cracks, no falling off	accord
6	Breaking force	KN	Not less than8.30	9.28
7	Stranded wire outer diameter	mm	6.36	6.36

Conclusion: After inspection, the above items all meet the standard requirements of the technical agreement.

Inspection: Zhang Xuedian

Reviewer: Zhao Youyou

Approval: Wang Aihong

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