



Hangzhou Easy Electric Wire and Cable Co.,LTD

Add: Room 305, Building 2, No. 380 Fengxin Road, Hangzhou, China

[www.eescable.com](http://www.eescable.com)

## TEST REPORT

Product name: ACSR

Quantity: 1 piece

Specification Model: ACSR 397.5MCM

Batch Quantity: 1000kg

No: PUO.20230330002

Date of report: April 20, 2023

No	Test items	Unit	standard requirement	Inspection result
1	structure size			
1.1	The number of Aluminum wire diameter	root mm	26 3.14±0.03mm	26 3.14 3.13 3.125
1.2	Aluminum wire twist		right(Adjacent layers should be reversed)	right
1.3	Aluminum pitch ratio	times	10-14 10-16	11.5 14.7
1.4	The number of Wire diameter	root mm	7 2.44±0.025mm	7 2.44 2.43 2.43
1.5	Strand direction		right	right
1.6	Steel wire pitch ratio	times	16-26	18
2	Workmanship quality		Bright and clean. Twisted tightly	accord
3	Aluminum wire properties			
3.1	tensile strength	MPa	Average not less than170	187
3.2	winding experiment		1d, 8 turns, 6 turns, rewinding without breaking	PASS
3.3	Conductor DC Resistance (20℃)	Ω/km	Not more than0.1438Ω/km	0.1396
4	Steel wire properties			
4.1	tensile strength	N/mm <sup>2</sup>	Not less than1410	1520
4.2	Stress at 1% elongation	N/mm <sup>2</sup>	Not less than1280	1310
4.3	Elongation	%	Not less than3.0%	5.2
4.4	winding test		(1d, 8 circles) no break	PASS
4.5	Zinc layer weight test	g/m <sup>2</sup>	≥229	236
4.6	Zinc layer adhesion test		No cracks, no falling off	accord
5	Breaking force	KN	≥72.05	86.52
6	Stranded wire outer diameter	mm	19.88	19.90

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.