



TEST REPORT

Products	ACSR Raven	Size	1/0AWG 6+1*3.37		
Standard	ASTM B230 B232 B498	Invoice No.	2023090301	Date	2023.09.03
NO.	Item	Standards and Requirements	Test Results	Evaluation	
1	Structure				
1-1	Number Of AL Wire	6	6	Qualified	
1-2	Number Of Steel Wire	1	1	Qualified	
1-3	Diameter Of Conductor	10.11mm±0.11	10.13	Qualified	
1-4	20°C Max D.C Resistance	≤0.5232 Ω/km	0.5158	Qualified	
1-5	Calculated breaking load	19.35KN	23.46	Qualified	
1-6	Weight of the finished cable without greas	216.34±4.3Kg/km	215.5	Qualified	
2	Surface Of Conductor				
2-1	Surface Quality	The Surface Shall Be Smooth, Stranded Compactly, No Missing, Broken, Jumping or Loosing Strands.	Smooth, Compact	Qualified	
3	Structure Performance				
3-1	Outer Stranding Direction Of Conductor	Rightward	Rightward	Qualified	
3-2	Lay Ratio Of Conductor	12-14.5	13.4	Qualified	
4	Aluminum Wire Properties				
4-1	Diameter Of AL Wire	3.37mm±0.034	3.37	Qualified	
4-2	Min. Tensile Strength	160N/mm2	180	Qualified	
4-3	Resistivity at 20°C	≤0.028172	0.027569	Qualified	



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

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4-4	Wrapping Test	The wire shall be wrapped around 8 times the diameter of the wire, from a close helix 6 turns, wire shall not crack	Not crack	Qualified
5	Steel Wire Properties			
5-1	Diameter Of Steel Wire	3.37mm(-0.05,+0.08)	3.37	Qualified
5-2	Min. Tensile Strength	1410N/mm ²	1507	Qualified
5-3	Mass of Zinc Coating	≥260 g/mm ²	281	Qualified
5-4	Elongation(250mm)	≥4%	4.5%	Qualified

Tested by: Shaoqiong He

Checked by: Guohui Xu

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

Hangzhou Easy Electric Wire and Cable Co.,LTD

Add: Room B415, Future Technology Park, No.7 Long Tan Road Hangzhou,China