



TEST REPORT

Products	ACSR Raven		Size	1/0AWG	6+1*3.37
Standard	ASTM B232 -01	Invoice No.	20230102001	Date	2023.01.02
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℃ Max D.C Resistance	≤0.5343 Ω /km		0.5317	Qualified
1-5	Calculated breaking load	19.49KN		19.78	Qualified
1-6	Weight of the finished cable without greas	216.4±4.3Kg/km		217.1	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		12.7	Qualified
3-3	Grease	IEC Case 3		IEC Case 3	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		185	Qualified

4-3	Resistivity at 20℃	≤0.028172	0.027569	Qualified
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(-0.08,+0.1)	3.37	Qualified
5-2	Min. Tensile Strength	1410N/mm ²	1527	Qualified
5-3	Mass of Zinc Coating	≥260 g/mm ²	283	Qualified
5-4	Elongation(250mm)	≥4%	4.4%	Qualified

Tested by: Shaoqiong He

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