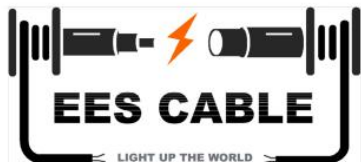


TEST REPORT

Products	ACSR Raven		Size	1/0AWG	
Standard	ASTM B232	Invoice No.	20230518002	Date	2023.05.18
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		10.12	Qualified
1-4	20°C Max D.C Resistance	≤0.5343 Ω/km		0.5250	Qualified
1-5	Calculated breaking load	19.49KN		19.98	Qualified
1-6	Weight of the finished cable without greas	216.4±4.3Kg/km		217.4	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		12.8	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		175	Qualified



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4-3	Resistivity at 20°C	≤ 0.028172	0.027564	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	1527	Qualified
5-3	Mass of Zinc Coating	≥ 260 g/mm ²	279	Qualified
5-4	Elongation(250mm)	$\geq 4\%$	4.4%	Qualified

Tested by: Shaoqiong He

Checked by: Guohui Xu

杭州益睿电线电缆有限公司
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