



TEST REPORT

Products	AAAC Alliance		Size	7*4.77	
Standard	ASTMB398 ASTMB399	Invoice No.	20221004002	Date	2022/10/04
NO.	Item	Standards and Requirements		Test Results	Evaluation
1	Conductor				
1-1	Diameter of conductor	14.31 ± 0.15		14.32	Qualified
1-2	Number of Aluminum Alloy wire	7		7	Qualified
1-3	Diameter of Aluminum Alloy wire	4.77 ± 0.048		4.77	Qualified
1-4	Outer Stranding direction	Rightward		Rightward	Qualified
1-5	Min. breaking load	37.82KN		37.96KN	Qualified
1-6	20°C Max D.C Resistance	≤0.2665		0.2647	Qualified
1-7	Lay Ratio Of Conductor	10-14		13.1	Qualified
1-8	Grease	IEC Case 3		IEC Case 3	Qualified
1-9	Surface quality of stranded wire	the surface shall be smooth, stranded compactly, no missing, broken, jumping or loosing strands.		Smooth, compact	Qualified
2	Performance of alloy wire				
2-1	Min. Tensile Strength	≥315MPa		322MPa	Qualified
2-2	Elongation(250mm)	≥3.0%		3.6%	Qualified
2-3	20°C Max D.C Resistivity	≤0.032841		0.032716	Qualified
2-4	Wrapping test	Eight turns shall be wrapped round a mandrel of diameter equal to the wire diameter, the wire shall not break		No break	Qualified

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