

Hangzhou Easy Electric Wire and Cable Co.,LTD

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

www.eescable.com

TEST REPORT

Products	Bare aluminum binding wire		Size	6AWG ϕ 4.06mm	
Standard	ASTM B609	Invoice No.	20230809007	Date	2023.08.09
NO.	Item	Standards and Requirements		Test Results	Evaluation
1	Structure				
1-1	Conductor Material	Aluminium		Aluminium	Qualified
1-2	Monofilament diameter	4.06 \pm 0.04mm		4.07	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	Conductor Properties				
3-1	Resistivity at 20 $^{\circ}$ C	\leq 0.027899		0.027154	Qualified
3-2	20 $^{\circ}$ C Max D.C Resistance	\leq 2.155 Ω /km		2.132	Qualified
3-3	Min. Breaking Load	0.78KN		0.81KN	Qualified
3-4	Approximate total weight of cable	35.0Kg/km		35.8	Qualified

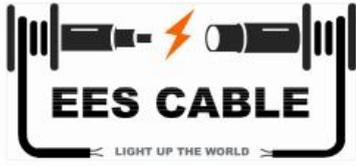
Tested by: Shaoqiong He

Checked by Guohui Xu

杭州益睿电线电缆有限公司
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Test Report

Products	600V THHN		Size	1 × 1/0AWG	
Standard	UL 83 UL1581	Invoice No.	20230808005	Date	2023.08.08
NO.	Item	Standards and Requirements		Test Results	Evaluation
	Structure				
1	Phase Core				
1-1	Number of core	1	1	Qualified	
1-2	Conductor Structure	19*1.92mm	19*1.92mm	Qualified	
1-3	Conductor Material	Annealed soft copper	Annealed soft copper	Qualified	
1-4	Tight pressing outer diameter	9.19mm	9.19mm	Qualified	
2	Insulation				
2-1	Material	PVC	PVC	Qualified	
2-2	Nominal thickness	1.27mm	1.31	Qualified	
2-3	Minimum Thickness	1.14mm	1.25	Qualified	
2-4	outer diameter after insulation	11.73mm	11.81	Qualified	
3	Outer sheath				
3-1	Material	Nylon	Nylon	Qualified	
3-2	Minimum Thickness	0.18mm	0.21mm	Qualified	
4	Finished Product				
4-1	Approximate Overall Diameter Of Cable	12.2mm	12.23	Qualified	
4-2	Approximate Total Weight Of Cable	550KG/KM	552KG/KM	Qualified	
5	Electrical Performance				
5-1	20°C Max D.C Resistance Of Phase Conductor	≤ 0.349 Ω /KM		0.325	Qualified

Tested by: Shaoqiong He

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