



Hangzhou Easy Electric Wire and Cable Co.,LTD

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

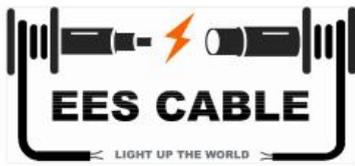
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Test Report

Products	ABC Neritina		Size	2*1/0+1/0AWG	
Standard	ICEA S-76-474	Invoice No.	20230809002	Date	2023.08.09
NO.	Item	Standards and Requirements		Test Results	Evaluation
	Structure				
1	Phase Core				
1-1	Number of core	2		2	Qualified
1-2	Conductor Structure	7*3.12mm		7*3.12	Qualified
1-3	Conductor Material	AL		AL	Qualified
1-4	Outer Stranding Direction Of Lay	Rightward		Rightward	Qualified
1-5	Lay Ratio	10-14		13.5	Qualified
1-6	Outer didmeter of conductor	9.36mm		9.37	Qualified
2	Insulation				
2-1	Insulation Material	XLPE		XLPE	Qualified
2-2	Color	Black		Black	Qualified
2-3	Average Thickness Of Insulation	≥1.6mm		1.68	Qualified
2-4	Min. Thickness Of Insulation	≥1.4mm		1.51	Qualified
2-5	Surface Of Insulation	Smooth, Clean		Smooth, Clean	Qualified

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2-6	outer diameter after insulation	12.56mm	12.73	Qualified
2-7	Printing Of Insulation	Printing should contains manufacturer, product and size, voltage etc. Printing should be clear, easily recognized, fastness	Passed	Qualified
3	ACSR Neutral line			
3-1	Steel Wire	1*3.37mm(-0.08,+0.1)	1*3.37	Qualified
3-2	AL. Wire	6*3.37mm(±0.034)	6*3.37	Qualified
3-3	Outer Stranding Direction Of Lay	Rightward	Rightward	Qualified
3-4	Lay Ratio	10-14	12.7	Qualified
3-5	Outer didmeter of conductor	10.11mm±0.11	10.11	Qualified
3-6	Overall breaking force	19.40KN	22.42	Qualified
4	Electrical Performance			
4-1	20°C Max D.C Resistance Of Phase Conductor	≤ 0.539 Ω /KM	0.5274	Qualified
4-2	20°C Max D.C Resistance Of Messenger Conductor	≤ 0.5343 Ω /KM	0.5197	Qualified
4-3	Alternating Voltage Stress Testing (3.5kv/1min)	No Breakdown	No Breakdown	Qualified
5	Insulation Machinery Performance			
5-1	Elongation At Stress	≤175%	45%	Qualified
5-2	Permanent Elongation After Cooling	≤15%	1%	Qualified

Tested by: Shao Jinqiang

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

Checked by: Guohui Xu

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