

Hangzhou Easy Electric Wire and Cable Co.,LTD

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

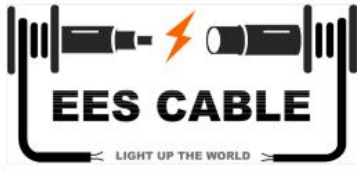
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Test Report

Products	ABC Costena		Size	3*1/0AWG+1*1/0AWG	
Standard	ICEA S-76-474	Invoice No.	20230331005	Date	2023.03.31
NO.	Item	Standards and Requirements		Test Results	Evaluation
Structure					
1 Phase Core					
1-1	Number of core	3		3	Qualified
1-2	Conductor Structure	19*1.89		19*1.89	Qualified
1-3	Conductor Material	AL		AL	Qualified
1-4	Outer Stranding Direction Of Lay	Rightward		Rightward	Qualified
1-5	Lay Ratio	10-16		13.6	Qualified
1-6	Conductor Dia.	9.45		9.46	Qualified
2 Insulation					
2-1	Insulation Material	Weatherability-XLPE		Weatherability-XLPE	Qualified
2-2	Color	Black		Black	Qualified
2-3	Average Thickness Of Insulation	≥1.52		1.57	Qualified
2-4	Min. Thickness Of Insulation	≥1.4		1.43	Qualified
2-5	Surface Of Insulation	Smooth, Clean		Smooth, Clean	Qualified
2-6	Printing Of Insulation	Printing should contains manufacturer, product and size, voltage etc. Printing should be clear, easily recognized, fastness		Passed	Qualified
3 ACSR Neutral-Messenger					
3-1	Steel Wire	1*3.37(-0.05,+0.08)		1*3.37	Qualified
3-2	AL. Wire	6*3.37(-0.034,+0.034)		6*3.37	Qualified
3-3	Outer Stranding Direction Of Lay	Rightward		Rightward	Qualified
3-4	Lay Ratio	10-14		13	Qualified
3-5	Conductor Dia.	10.11		10.11	Qualified
4 Electrical Performance					
3-1	20°C Max D.C Resistance Of Phase Conductor	≤ 0.539 Ω /KM		0.5375	Qualified

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3-2	20°C Max D.C Resistance Of Messenger Conductor	$\leq 0.5364 \Omega / \text{KM}$	0.5352	Qualified
3-3	Alternating Voltage Stress Testing (3.0kv/1min)	No Breakdown	No Breakdown	Qualified
4	Insulation Machinery Performance			
4-1	Elongation At Stress	$\leq 175\%$	45	Qualified
4-2	Permanent Elongation After Cooling	$\leq 15\%$	1%	Qualified

Tested by: Jingyan Zhao

Checked by: Guohui Xu

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