

Hangzhou Easy Electric Wire and Cable Co.,LTD

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

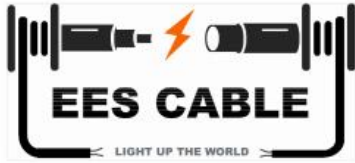
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Test Report

Products	ABC Retriever		Size	1*6+6AWG	
Standard	ICEA S-76-474	Invoice No.	20230810002	Date	2023.08.10
NO.	Item	Standards and Requirements		Test Results	Evaluation
	Structure				
1	Phase Core				
1-1	Number of core	1	1	1	Qualified
1-2	Conductor Structure	7*1.55mm	7*1.55	7*1.55	Qualified
1-3	Conductor Material	AL	AL	AL	Qualified
1-4	Outer Stranding Direction Of Lay	Rightward	Rightward	Rightward	Qualified
1-5	Lay Ratio	10-14	13.5	13.5	Qualified
1-6	Conductor Dia.	4.65mm	4.65	4.65	Qualified
2	Insulation				
2-1	Insulation Material	Weatherability-XLPE	Weatherability-XLPE	Weatherability-XLPE	Qualified
2-2	Color	Black	Black	Black	Qualified
2-3	Average Thickness Of Insulation	≥1.6mm	1.65	1.65	Qualified
2-4	Min. Thickness Of Insulation	≥1.4mm	1.56	1.56	Qualified
2-5	Surface Of Insulation	Smooth, Clean	Smooth, Clean	Smooth, Clean	Qualified
2-6	Printing Of Insulation	Printing should contains manufacturer, product and size, voltage etc. Printing should be clear, easily		Passed	Qualified

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		recognized, fastness		
3	ACSR Neutral Line			
3-1	Steel Wire	1*1.68mm(-0.03,+0.04)	1*1.68	Qualified
3-2	AL. Wire	6*1.68mm(-0.03,+0.03)	6*1.68	Qualified
3-3	Outer Stranding Direction Of Lay	Rightward	Rightward	Qualified
3-4	Lay Ratio	10-14	13.5	Qualified
3-5	Conductor Dia.	5.04	5.04	Qualified
3-6	Overall breaking force	≥5.24KN	6.38	Qualified
4	Electrical Performance			
4-1	20℃ Max D.C Resistance Of Phase Conductor	≤ 2.17 Ω /KM	2.05	Qualified
4-2	20℃ Max D.C Resistance Of Messenger Conductor	≤ 2.16 Ω /KM	2.04	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%	70%	Qualified
5-2	Permanent Elongation After Cooling	≤15%	0%	Qualified
6	Finished product			
6-1	Cable outer didmeter	12.9mm	13.2	Qualified
6-2	Cable weight	120kg/km	126	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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