

**Hangzhou Easy Electric Wire and Cable Co.,LTD**

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

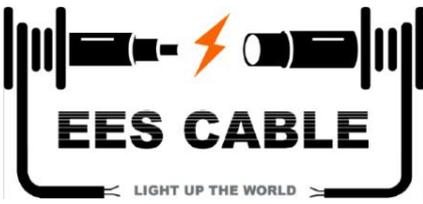
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## Test Report

Products	ABC Chow		Size	1×2AWG+2AWG	
Standard	ICEA S-76-474	Invoice No.	20220721002	Date	2022.07.21
NO.	Item	Standards and Requirements		Test Results	Evaluation
<b>Structure</b>					
<b>Phase Core</b>					
1					
1-1	Number of core	1		1	Qualified
1-2	Conductor Structure	7*2.47		7*2.47	Qualified
1-3	Conductor Material	AL		AL	Qualified
1-4	Outer Stranding Direction Of Lay	Rightward		Rightward	Qualified
1-5	Lay Ratio	10-16		14.5	Qualified
1-6	Conductor Dia.	7.42(±0.1)		7.42	Qualified
<b>Insulation</b>					
2-1	Insulation Material	Weatherability-XLPE		Weatherability-XLPE	Qualified
2-2	Color	Black		Black	Qualified
2-3	Average Thickness Of Insulation	≥1.14		1.24	Qualified
2-4	Min. Thickness Of Insulation	≥0.93		1.15	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
<b>ACSR Neutral-Messenger</b>					
3-1	Steel Wire	1*2.67(-0.05,+0.05)		1*2.67	Qualified
3-2	AL. Wire	6*2.67(-0.03,+0.03)		6*2.67	Qualified
3-3	Outer Stranding Direction Of Lay	Rightward		Rightward	Qualified
3-4	Lay Ratio	12-14.5		13.0	Qualified
3-5	Conductor Dia.	8.01		8.02	Qualified
<b>Electrical Performance</b>					
3-1	20℃ Max D.C Resistance Of Messenger Conductor	≤ 0.85406 Ω /KM		0.8511	Qualified
3-2	Alternating Voltage Stress Testing (3.0kv/1min)	No Breakdown		No Breakdown	Qualified

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4	Insulation Machinery Performance			
4-1	Elongation At Stress	$\leq 175\%$	45	Qualified
4-2	Permanent Elongation After Cooling	$\leq 15\%$	0%	Qualified

Tested by: Jingyan Zhao

Checked by: Guohui Xu

杭州益睿电线电缆有限公司  
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