



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	ABC Chola		Size	3*6AWG+6AWG	
Standard	ICEA S-76-474	Invoice No.	20230904002	Date	2023.09.04
NO.	Item	Standards and Requirements		Test Results	Evaluation
1	Phase Core				
1-1	Number of core	3		3	Qualified
1-2	Conductor Structure	7*1.55±0.03mm		7*1.55	Qualified
1-3	Conductor Material	AL		AL	Qualified
1-4	Outer Stranding Direction Of Lay	Rightward		Rightward	Qualified
1-5	Tight pressing outer diameter	4.65mm		4.65	Qualified
2	Insulation				
2-1	Insulation Material	XLPE		XLPE	Qualified
2-2	Color	Black		Black	Qualified
2-3	Average Thickness Of Insulation	≥1.14mm		1.19	Qualified
2-4	Min. Thickness Of Insulation	≥1.0mm		1.04	Qualified
2-5	Outer diameter after insulatiom	6.93mm		7.03	Qualified
2-6	Surface Of Insulation	Smooth, Clean		Smooth, Clean	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-Messenger				
3-1	Conductor Structure	1+6*1.68mm		1+6*1.68	Qualified
3-2	Outer Stranding Direction Of	Rightward		Rightward	Qualified

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	Lay			
3-3	Outer diameter of conductor	5.04mm	5.04	Qualified
3-4	Overall breaking force	5.24KN	5.68	Qualified
4	Electrical Performance			
4-1	20°C Max D.C Resistance Of Phase Conductor	$\leq 2.17 \Omega / \text{KM}$	2.083	Qualified
4-2	20°C Max D.C Resistance Of Messenger Conductor	$\leq 2.16 \Omega / \text{KM}$	2.043	Qualified
5	Insulation Machinery Performance			
5-1	Elongation At Stress	$\leq 175\%$	55%	Qualified
5-2	Permanent Elongation After Cooling	$\leq 15\%$	0%	Qualified
6	Finished product			
6-1	Cabling direction	Rightward	Rightward	Qualified
6-2	Lay Ratio	25-60times	40	Qualified
6-3	Alternating Voltage Stress Testin (3.0kv/1min)	No Breakdown	No Breakdown	Qualified
6-4	Cabling direction	15.63mm	15.77	Qualified
6-5	Cable weight	235kg/km	237	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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