

Hangzhou Easy Electric Wire and Cable Co.,LTD

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

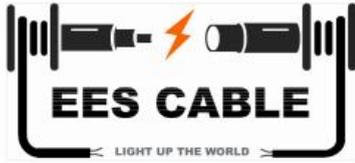
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Test Report

Products	ABC Conch		Size	2*2+2AWG	
Standard	ICEA S-76-474	Invoice No.	20230808003	Date	2023.08.08
NO.	Item	Standards and Requirements		Test Results	Evaluation
	Structure				
1	Phase Core				
1-1	Number of core	2	2	2	Qualified
1-2	Conductor Structure	7*2.47mm	7*2.47mm	7*2.47mm	Qualified
1-3	Conductor Material	AL	AL	AL	Qualified
1-4	Outer Stranding Direction Of Lay	Rightward	Rightward	Rightward	Qualified
1-5	Conductor Dia.	7.42mm	7.42	7.42	Qualified
2	Insulation				
2-1	Material	Weatherability-XLPE	Weatherability-XLPE	Weatherability-XLPE	Qualified
2-2	Color	Black	Black	Black	Qualified
2-3	Thickness Of Insulation	≥1.2mm	1.25	1.25	Qualified
2-4	Min. Thickness Of Insulation	≥1.0mm	1.15	1.15	Qualified
2-5	Outer diameter after insulatiom	9.82mm	9.92	9.92	Qualified
2-6	Surface Of Insulation	Smooth, Clean	Smooth, Clean	Smooth, Clean	Qualified

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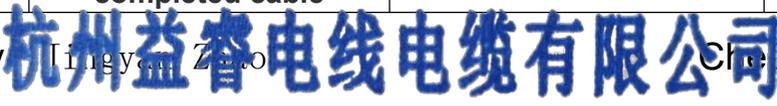


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2-7	Printing Of Insulation	Printing should contains manufacturer, product and size, voltage etc. Printing should be clear, easily recognized, fastness	Passed	Qualified
3	Neutral line			
3-1	Steel Wire	2.67mm*(6+1)	2.67*(6+1)	Qualified
3-3	Direction Of Lay	Rightward	Rightward	Qualified
3-4	Lay Ratio	10-14	13.5	Qualified
3-5	Uoter didmeter of conductor	8.03mm	8.04	Qualified
3-6	Breaking Load	12.70KN	13.15	Qualified
4	Electrical Performance			
4-1	20°C Max D.C Resistance Of Phase Conductor	$\leq 0.8577 \Omega / \text{KM}$	0.8536	Qualified
4-2	20°C Max D.C Resistance Of Neutral Conductor	$\leq 0.8533 \Omega / \text{KM}$	0.8514	Qualified
5	Insulation Machinery Performance			
5-1	Elongation At Stress	$\leq 175\%$	55%	Qualified
5-2	Permanent Elongation After Cooling	$\leq 15\%$	1%	Qualified
6	Assembly(Twisting)			
6-1	Direction Of Lay	Rightward	Rightward	Qualified
6-2	Lay Ratio	20~60	45	Qualified
6-3	Approx weight of completed cable	400kg/km	408	Qualified

Tested by:  Checked by: Guohui Xu

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