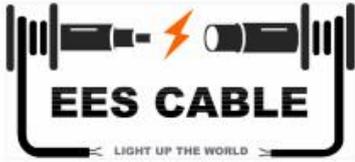




Test Report

Products	ABC Palomino		Size	3*2+2AWG	
Standard	ICEA S-76-474	Invoice No.	20230803005	Date	2023.08.03
NO.	Item	Standards and Requirements		Test Results	Evaluation
	Structure				
1	Phase Core				
1-1	Number of core	3	3	3	Qualified
1-2	Conductor Structure	7*2.47mm	7*2.47	7*2.47	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	13.2	13.2	Qualified
1-6	Conductor Dia.	7.41mm	7.41	7.41	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	≥1.14mm	1.20 1.21 1.22	1.20 1.21 1.22	Qualified
2-4	Min. Thickness Of Insulation	≥1.0mm	1.09 1.10 1.12	1.09 1.10 1.12	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 recognized, fastness	Passed	Passed	Qualified
3	ACSR Neutral line				
3-1	Steel Wire	1*2.67mm	1*2.68	1*2.68	Qualified



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3-2	AL. Wire	6*2.67mm	6*2.67	Qualified
3-3	Outer Stranding Direction Of Lay	Rightward	Rightward	Qualified
3-4	Lay Ratio	10-14	13.3	Qualified
3-5	Conductor Dia.	8.01mm	8.02	Qualified
3-6	Overall breaking force	12.7KN	13.2	Qualified
4	Electrical Performance			
4-1	20°C Max D.C Resistance Of Phase Conductor	$\leq 0.8577 \Omega / \text{KM}$	0.8532	Qualified
4-2	20°C Max D.C Resistance Of Messenger Conductor	$\leq 0.8535 \Omega / \text{KM}$	0.8455	Qualified
4-3	Alternating Voltage Stress Testing (3.5kv/1min)	No Breakdown	No Breakdown	Qualified
5	Insulation Machinery Performance			
5-1	Elongation At Stress	$\leq 175\%$	50%	Qualified
5-2	Permanent Elongation After Cooling	$\leq 15\%$	0%	Qualified

Tested by: Shaoqiong He

Checked by: Guohui Xu