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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	Qualified
1-2	Conductor Structure	7*2.47mm		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	10-14		13.2	Qualified
1-6	Conductor Dia.	7.41mm		7.41	Qualified
2	**Insulation**				
2-1	Insulation Material	Weatherability-XLPE		Weatherability-XLPE	Qualified
2-2	Color	Black		Black	Qualified
2-3	Average Thickness Of Insulation	≥1.14mm		1.20 1.21 1.22	Qualified
2-4	Min. Thickness Of Insulation	≥1.0mm		1.09 1.10 1.12	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
3	**ACSR Neutral line**				
3-1	Steel Wire	1*2.67mm		1*2.68	Qualified

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℃ Max D.C Resistance Of Phase Conductor	≤ 0.8577Ω/KM	0.8532	Qualified
4-2	20℃ Max D.C Resistance Of Messenger Conductor	≤ 0.8535Ω/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	≤175%	50%	Qualified
5-2	Permanent Elongation After Cooling	≤15%	0%	Qualified

Tested by： Shaoqiong He　　Checked by： Guohui Xu