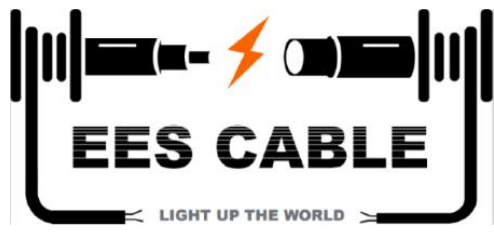


Test Report

Products	ABC Bu11		Size	2*1/0AWG+1/0AWG	
Standard	ICEA S-76-474	Invoice No.	20220711003	Date	2022.07.11
NO.	Item	Standards and Requirements		Test Results	Evaluation
Structure					
1 Phase Core					
1-1	Number of core	2		2	Qualified
1-2	Conductor Structure	7*3.12		7*3.12	Qualified
1-3	Conductor Material	AL		AL	Qualified
1-4	Outer Stranding Direction Of Lay	Rightward		Rightward	Qualified
1-5	Lay Ratio	10-16		13.5	Qualified
1-6	Conductor Dia.	9.36		9.36	Qualified
2 Insulation					
2-1	Insulation Material	Weatherability-XLPE		Weatherability-XLPE	Qualified
2-2	Color	Black		Black	Qualified
2-3	Average Thickness Of Insulation	≥1.63		1.66	Qualified
2-4	Min. Thickness Of Insulation	≥1.4		1.52	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 AAAC Neutral-Messenger					
3-2	AAAC	7*3.12		7*3.12	Qualified
3-3	Outer Stranding Direction Of Lay	Rightward		Rightward	Qualified
3-4	Lay Ratio	10-14		13	Qualified
3-5	Conductor Dia.	9.36		9.36	Qualified
4 Electrical Performance					
3-1	20℃ Max D.C Resistance Of Phase Conductor	≤ 0.538 Ω /KM		0.5275	Qualified
3-2	20℃ Max D.C Resistance Of Messenger Conductor	≤ 0.6256 Ω /KM		0.6184	Qualified
3-3	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	$\leq 15\%$	0.5%	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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