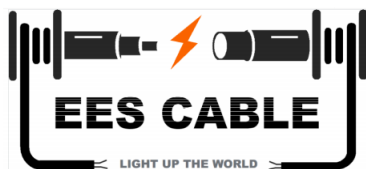


Test Report

Products	ABC Cable		Size	3*50mm ² +1*54.6mm ²	
Standard	NF C33-209	Invoice No.	20221202003	Date	2022.12.02
NO.	Item	Standards and Requirements		Test Results	Evaluation
Structure					
1 Phase Core					
1-1	Number of core	4		4	Qualified
1-2	Conductor Structure	7*2.95		7*2.95	Qualified
1-3	Conductor Material	AL		AL	Qualified
1-4	Conductor Dia.	8.3		8.3	Qualified
2 Insulation					
2-1	Insulation Material	UV-XLPE		UV-XLPE	Qualified
2-2	Color	Black		Black	Qualified
2-3	Average Thickness Of Insulation	≥1.6		1.64	Qualified
2-4	Min. Thickness Of Insulation	≥1.34		1.45	Qualified
2-5	Outer diameter after insulation	≥11.5		11.6	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 AAAC Neutral-Messenger					
3-1	Conductor Structure	7*3.15		7*3.15	Qualified
3-2	Outer Stranding Direction Of Lay	Rightward		Rightward	Qualified
3-3	Average Thickness Of Insulation	≥1.6		1.65	Qualified
3-4	Min. Thickness Of Insulation	≥1.34		1.49	Qualified
3-5	Lay Ratio	10-20		13	Qualified
3-6	Outer diameter after insulation	12.65		12.7	Qualified
4 Electrical Performance					
4-1	20℃ Max D.C Resistance Of Phase Conductor	≤ 0.641 Ω /KM		0.623	Qualified



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4-2	20°C Max D.C Resistance Of Messenger Conductor	$\leq 0.63 \Omega / \text{KM}$	0.606	Qualified
4-3	Alternating Voltage Stress Testing (3.5kv/5min)	No Breakdown	No Breakdown	Qualified
5	Insulation Machinery Performance			
5-1	Elongation At Stress	$\leq 175\%$	60%	Qualified
5-2	Permanent Elongation After Cooling	$\leq 15\%$	1%	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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