

Hangzhou Easy Electric Wire and Cable Co., LTD

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

www.eescable.com

Test Report

Products	ABC		Size	2*1/0AWG+1/0AWG	
Standard	ICEA S-76-474	Invoice No.	20230904005	Date	2023.09.04
NO.	ltem		rds and rements	Test Results Evaluation	
1		Р	hase Core		
1-1	Number of core	2 2		Qualified	
1-2	Conductor Structure	7*3.12±0.031mm		7*3.12	Qualified
1-3	Conductor Material	AL		AL	Qualified
1-4	Outer Stranding Direction Of Lay	Rightward		Rightward	Qualified
1-5	Tight pressing outer diameter	9.36mm		9.36	Qualified
2		Insulation			
2-1	Insulation Material	XL	.PE	XLPE	Qualified
2-2	Color	BI	ack	Black	Qualified
2-3	Average Thickness Of Insulation	≥1.5	≥1.52mm 1.57		Qualified
2-4	Min. Thickness Of Insulation	≥1.4	1.4mm 1.49		Qualified
2-5	Outer diameter after insulatiom	12.4	4mm	12.50	Qualified
2-6	Surface Of Insulation	Smoot	n, Clean	Smooth, Clean	Qualified
2-7	Printing Of Insulation	manufacture size, voltage should be	ould contains r, product and e etc. Printing clear, easily d, fastness	Passed	Qualified
3		Neutral-Messenger AAAC			
3-1	Conductor Structure	7*3.2	12mm	7*3.12	Qualified
3-2	Outer Stranding Direction Of Lay	Righ	tward	Rightward	Qualified

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Outer didmeter of conductor	9.36mm	9.36	Qualified		
Overall breaking force	16.97KN	17.68	Qualified		
	Insulation				
Insulation Material	XLPE	XLPE	Qualified		
Color	Black	Black	Qualified		
Average Thickness Of Insulation	≥1.52mm	1.56	Qualified		
Min. Thickness Of Insulation	≥1.4mm	1.48	Qualified		
Outer diameter after insulatiom	12.4mm 12.46		Qualified		
	Electrical Performance				
20℃ Max D.C Resistance Of Phase Conductor	≤ 0.538 Ω /KM	0.5145	Qualified		
20°C Max D.C Resistance Of Messenger Conductor	< 0.6256 Ω /KM	0.6079	Qualified		
Insulation Machinery Performance					
Elongation At Stress	≤175%	50%	Qualified		
Permanent Elongation After Cooling	≤15%	0%	Qualified		
	Finished product				
Cabling direction	Rightward	Rightward	Qualified		
Lay Ratio	25-60times	45	Qualified		
Alternating Voltage Stress Testin (3.0kv/1min)	No Breakdown	No Breakdown	Qualified		
Cabling direction	26. 78mm	26. 87	Qualified		
Cable weight	648kg/km	651	Qualified		
	Overall breaking force Insulation Material Color Average Thickness Of Average Thickness Of Min. Thickness Of Insulation Outer diameter after insulatiom 20°C Max D.C Resistance Of Phase Conductor 20°C Max D.C Resistance Of Messenger Conductor 20°C Max D.C Resistance Of Messenger Conductor Image: Conductor	Overall breaking force16.97KNOverall breaking forceInsulationInsulation MaterialXLPEColorBlackAverage Thickness Of Insulation≥1.52mmMin. Thickness Of Insulation≥1.4mmOuter diameter after insulatiom12.4mmOuter diameter after insulatiom12.4mm20°C Max D.C Resistance Of Phase Conductor≤ 0.538 \Omega /KM20°C Max D.C Resistance Of Messenger Conductor≤ 0.6256 \Omega /KM20°C Max D.C Resistance Of Messenger Conductor≤ 1.52mm20°C Max D.C Resistance Of Messenger Conductor≤ 1.538 \Omega /KM20°C Max D.C Resistance Of Messenger Conductor≤ 1.6256 \Omega /KM20°C Max D.C Resistance Of Messenger Conductor≤ 1.52mm20°C Max D.C Resistance Of Messenger Conductor≤ 1.52mm20°C Max D.C Resistance Of Messenger Conductor≤ 0.6256 \Omega /KM20°C Max D.C Resistance Of Messenger Conductor≤ 1.52mmElongation At Stress After Cooling≤175%Permanent Elongation After Cooling≤15%Cabling directionRightwardLay Ratio (3.0kv/1min)No BreakdownCabling direction26.78mm	Overall breaking force16.97KN17.68Overall breaking force16.97KN17.68Insulation MaterialXLPEXLPEColorBlackBlackAverage Thickness Of Insulation≥1.52mm1.56Min. Thickness Of Insulation≥1.4mm1.48Outer diameter after insulatiom12.4mm12.46Outer diameter after insulatiom20°C Max D.C Resistance € 0.538 Ω/KM0.514520°C Max D.C Resistance Of Messenger Conductor≤ 0.6256 Ω/KM0.607920°C Max D.C Resistance Of Messenger Conductor≤ 0.6256 Ω/KM0.607920°C Max D.C Resistance Of Messenger Conductor≤ 0.6256 Ω/KM0.607920°C Max D.C Resistance Of Messenger Conductor≤ 0.6256 Ω/KM0.6079Elongation At Stress≤175%50%Permanent Elongation After Cooling≤15%0%Cabling directionRightwardRightwardLay Ratio25-60t imes45Alternating Voltage Stress Testin (3.0kv/1min)No BreakdownNo BreakdownCabling direction26.78mm26.87		

Tested by: Shaoqiong He

Checked by: Guohui Xu

杭州益睿电线电缆有限公司 HANGZHOU EASY ELECTRIC VIRE AND CABLE CO., LTD.

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