

# Hangzhou Easy Electric Wire and Cable Co.,LTD

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

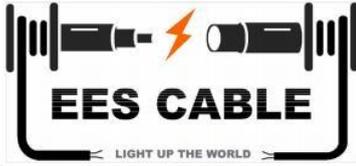
[www.eescable.com](http://www.eescable.com)

## Test Report

Products	PV Cable		Size	10AWG	
Standard	UL4703	Invoice No.	20230822001	Date	20230822
NO.	Item	Standards and Requirements		Test Results	Evaluation
	<b>Structure</b>				
1	<b>Phase Core</b>				
1-1	Number of core	75		75	Qualified
1-2	Conductor Structure	75/0.3±0.004		75/0.299	Qualified
1-3	Conductor Material	tin plated copper		tin plated copper	Qualified
1-4	Outer Stranding Direction Of Lay	Rightward		Rightward	Qualified
1-5	Lay Ratio	45-55		51	Qualified
1-6	Conductor Dia.	3.02mm		3.0mm	Qualified
2	<b>Insulation</b>				
2-1	Insulation Material	XLPE		XLPE	Qualified
2-2	Color	Black		Black	Qualified
2-3	Average Thickness Of Insulation	1.14mm		1.16mm	Qualified
2-4	Min. Thickness Of Insulation	≥1.05mm		1.09mm	Qualified
3	<b>Neutral Conductor</b>				
3-1	8000 AAAC Conductor Structure	/		/	/
3-2	PET	/		/	/
4	<b>Outer Jacket</b>				
4-1	Average Thickness	0.76mm		0.8mm	Qualified
4-2	Min. Thickness	≥0.69mm		0.74mm	Qualified
4-3	Tensile Strength	≥10.3MPA		11.4MPA	Qualified
4-4	Elongation	≥150mm		190mm	Qualified
5	<b>Finished Product</b>				
5-1	Approximate Overall Diameter Of Cable	6.82±0.1mm		6.89mm	Qualified
5-2	Approximate Total Weight Of Cable	86KG/KM		86.2KG/KM	Qualified
6	<b>Electrical Performance</b>				

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6-1	20℃ Max D.C Resistance Of Phase Conductor	$\leq 3.546 \Omega / \text{KM}$	3.221	Qualified
6-2	Max. Resistance Of Neutral Conductor at 20℃	/	/	/
6-3	Alternating Voltage Stress Testing (6.5kv/5min)	No Breakdown	No Breakdown	Qualified
7	<b>Insulation Machinery Performance</b>			
7-1	Elongation At Stress	$\leq 100\%$	60	Qualified
7-2	Permanent Elongation After Cooling	$\leq 25\%$	0%	Qualified

Tested by: Shaoqiong He

Checked by: Guohui Xu

**杭州益睿电线电缆有限公司**  
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