



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	Concentric Cable		Size	2*6+6AWG	
Standard	UL 854 ICEA S 95-658 ASTM B800 ADTM B801	Invoice No.	20230727003	Date	2023.07.27
NO.	Item	Standards and Requirements		Test Results	Evaluation
	<b>Structure</b>				
1	<b>Phase Core</b>				
1-1	Number of core	2		2	Qualified
1-2	Conductor Structure	7*1.55mm		7*1.55	Qualified
1-3	Conductor Material	AL		AL	Qualified
1-4	Outer Stranding Direction Of Lay	Rightward		Rightward	Qualified
1-5	Conductor Dia.	4.65mm		4.65 4.66	Qualified
1-6	20°C Max D.C Resistance Of Phase Conductor	$\leq 2.16 \Omega / \text{KM}$		2.06 2.04	Qualified
2	<b>Insulation</b>				
2-1	Insulation Material	XLPE		XLPE	Qualified
2-2	Color	Red Black		Red Black	Qualified
2-3	Tensile Strength	$\geq 12.5 \text{MPa}$		18.4 23.0	Qualified
2-4	Elongation	$\geq 250\%$		500 550	Qualified
2-5	Permanent deformation rate	$\leq 5\%$		0 0	Qualified
2-6	Average Thickness Of Insulation	$\geq 1.14 \text{mm}$		1.20 1.22	Qualified

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2-7	Min. Thickness Of Insulation	≥1.0mm	1.13 1.17	Qualified
3	<b>Neutral Conductor</b>			
3-1	1350AL	65/0.511mm	65/0.511	Qualified
3-2	20°C Max D.C Resistance Of Neutral Conductor	≤ 2.2 Ω /KM	1.925	Qualified
3-3	Polyester tape	0.05mm	0.05	Qualified
4	<b>Outer sheath</b>			
4-1	Material	XLPE	XLPE	Qualified
4-2	Color	Black	Black	Qualified
4-3	Average Thickness	1.52mm	1.68	Qualified
4-4	Min. Thickness	1.4mm	1.58	Qualified
4-5	Tensile Strength	≥12.5MPa	17.3	Qualified
4-6	Elongation	≥250%	500%	Qualified
4-7	Permanent deformation rate	≤5%	0	Qualified
5	<b>Finished Product</b>			
5-1	Approximate Overall Diameter Of Cable	11.3mm×18.2mm	12.0 ×18.7	Qualified
5-2	Approximate Total Weight Of Cable	230KG/KM	240KG/KM	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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