

Hangzhou Easy Electric Wire and Cable Co.,LTD

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

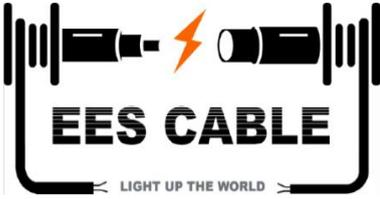
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Test Report

Products	Concentric Cable		Size	2*6AWG+6AWG		
Standard	UL 854 ICEA S 95-658 ASTM B800 ADTM B801		Invoice No.	20220720001	Date	2022.07.20
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*1.55	7*1.55	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.	4.66mm	4.70mm	Qualified		
2 Insulation						
2-1	Insulation Material	Weatherability-XLPE	Weatherability-XLPE	Qualified		
2-2	Color	Red Black	Red Black	Qualified		
2-3	Average Thickness Of Insulation	≥1.38mm	1.40mm	Qualified		
2-4	Min. Thickness Of Insulation	≥1.14mm	1.28mm	Qualified		
3 Neutral Conductor						
3-1	8000 AAAC Conductor Structure	24/0.511	24/0.511	Qualified		
3-2	PET	0.05	0.05	Qualified		
4 Outer Jacket						
4-1	Average Thickness	1.80mm	1.85mm	Qualified		
4-2	Min. Thickness	1.52mm	1.60mm	Qualified		
4-3	Tensile Strength	≥12.4MPA	14.5MPA	Qualified		
4-4	Elongation	≥250mm	310mm	Qualified		
5 Finished Product						
5-1	Approximate Overall Diameter Of Cable	12.34×18.82	13.16×19.65	Qualified		
5-2	Approximate Total Weight Of Cable	280KG/KM	285KG/KM	Qualified		
6 Electrical Performance						
6-1	20℃ Max D.C Resistance Of Phase Conductor	≤ 2.16 Ω /KM	2.07	Qualified		

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6-2	Max. Resistance Of Neutral Conductor at 20°C	$\leq 2.24 \Omega / \text{KM}$	2.06	Qualified
6-3	Alternating Voltage Stress Testing (3.5kv/5min)	No Breakdown	No Breakdown	Qualified
7	Insulation Machinery Performance			
7-1	Elongation At Stress	$\leq 175\%$	50	Qualified
7-2	Permanent Elongation After Cooling	$\leq 15\%$	1%	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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