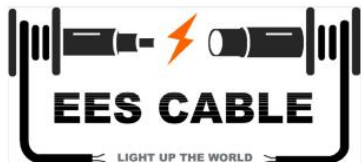


Test Report

Products	Concentric Cable		Size	2*6+6AWG	
Standard	UL 854 ICEA S 95-658 ASTM B800 ADTM B801	Invoice No.	20230521002	Date	2023.05.21
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*1.55mm		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		4.66 4.66	Qualified
1-6	20°C Max D.C Resistance Of Phase Conductor	≤ 2.16 Ω/KM		2.07 2.07	Qualified
2	Insulation				
2-1	Insulation Material	XLPE		XLPE	Qualified
2-2	Color	Red Black		Red Black	Qualified
2-3	Tensile Strength	≥12.5MPa		16.5 16.8	Qualified
2-4	Elongation	≥250%		470 450	Qualified
2-5	Permanent deformation rate	≤5%		0 0	Qualified
2-6	Average Thickness Of Insulation	≥1.14mm		1.23 1.21	Qualified
2-7	Min. Thickness Of Insulation	≥1.0mm		1.0 1.02	Qualified
3	Neutral Conductor				
3-1	1350AL	65/0.511mm		65/0.511	Qualified



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3-2	20°C Max D.C Resistance Of Neutral Conductor	$\leq 2.2 \Omega / \text{KM}$	2.046	Qualified
3-3	Polyester tape	0.05mm	0.05	Qualified
4	Outer sheath			
4-1	Material	XLPE	XLPE	Qualified
4-2	Color	Black	Black	Qualified
4-3	Average Thickness	1.52mm	1.56	Qualified
4-4	Min. Thickness	1.4mm	1.47	Qualified
4-5	Tensile Strength	$\geq 12.5 \text{MPa}$	16.7	Qualified
4-6	Elongation	$\geq 250\%$	460	Qualified
4-7	Permanent deformation rate	$\leq 5\%$	0	Qualified
5	Finished Product			
5-1	Approximate Overall Diameter Of Cable	11.3mm × 18.2mm	12.2 × 18.8	Qualified
5-2	Approximate Total Weight Of Cable	230KG/KM	235KG/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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