

TEST REPORT

Products	100mm ² AAAC OAK		Size	100mm ²	
Standard	BS 3242, BS EN50182, or IEC61089	Invoice No.		Date	2022/11/21
NO.	Item	Standards and Requirements	Test Results	Evaluation	
1	Conductor				
1-1	Diameter of conductor	13.95±0.139mm	13.98	Qualified	
1-2	Number of Aluminum Alloy wire	7	7	Qualified	
1-3	Diameter of Aluminum Alloy wire	4.65±0.047mm	4.625/4.630/ 4.630	Qualified	
1-4	Outer Stranding direction	Rightward	Rightward	Qualified	
1-5	Min. breaking load	35KN	37.55	Qualified	
1-6	20°C Max D.C Resistance	≤0.2769 Ω/km	0.2729	Qualified	
1-7	Surface quality of stranded wire	the surface shall be smooth, stranded compactly, no missing, broken, jumping or losing strands.	Smooth, compact	Qualified	
2	Performance of alloy wire				
2-1	Min. Tensile Strength	≥295MPa	313/320/ 324	Qualified	
2-2	Elongation(250mm)	≥3.5%	5.2/5.6/5.6	Qualified	
2-3	20°C Max D.C Resistivity	≤0.032841	0.031471/ 0.031707/0. 031992	Qualified	
2-4	Wrapping test	Eight turns shall be wrapped round a mandrel of diameter equal to the wire diameter, the wire shall not break	Not break	Qualified	

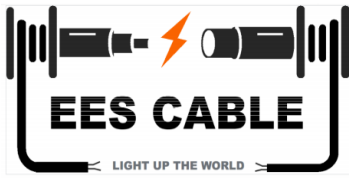
Tested by:

Checked by:

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

Hangzhou Easy Electric Wire and Cable Co.,LTD

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



TEST REPORT

Products	100mm2 AAAC OAK	Size	100mm2	
Standard	BS 3242, BS EN50182, or IEC61089	Invoice No.	Date	2022/11/21
NO.	Item	Standards and Requirements	Test Results	Evaluation
1	Conductor			
1-1	Diameter of conductor	13.95±0.139mm	13.98	Qualified
1-2	Number of Aluminum Alloy wire	7	7	Qualified
1-3	Diameter of Aluminum Alloy wire	4.65±0.047mm	4.630/4.625/ 4.625	Qualified
1-4	Outer Stranding direction	Rightward	Rightward	Qualified
1-5	Min. breaking load	35KN	37.67	Qualified
1-6	20°C Max D.C Resistance	≤0.2769 Ω/km	0.2716	Qualified
1-7	Surface quality of stranded wire	the surface shall be smooth, stranded compactly, no missing, broken, jumping or loosing strands.	Smooth, compact	Qualified
2	Performance of alloy wire			
2-1	Min. Tensile Strength	≥295MPa	315/314/ 331	Qualified
2-2	Elongation(250mm)	≥3.5%	5.2/5.2/4.8	Qualified
2-3	20°C Max D.C Resistivity	≤0.032841	0.031309/ 0.031859/ 0.031492	Qualified
2-4	Wrapping test	Eight turns shall be wrapped round a mandrel of diameter equal to the wire diameter, the wire shall not break	Not break	Qualified

Tested by:

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