



Test Report

Products	Conductor Twin 16 AAC/PVC		Size	2×16(0.6/1KV)	
Standard	BS 6485、BS EN 50182、IEC 61089、BS 215-1、BS 2627	Invoice No.	20230724001	Date	2023.07.24
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*1.7		7*1.7	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.	5.1		5.1	Qualified
1-7	20°C Max D.C Resistance Of Phase Conductor	≤ 1.81 Ω/KM		1.7	Qualified
1-8	Calculated Breaking Load	2.827KN		2.85KN	Qualified
2 Insulation					
2-1	Insulation Material	UV-PVC		UV-PVC	Qualified
2-2	Color	Black		Black	Qualified
2-3	Average Thickness Of Insulation	≥1.2		1.22	Qualified
2-4	Min. Thickness Of Insulation	≥0.8		1.0	Qualified
2-5	Surface Of Insulation	Smooth, Clean		Smooth, Clean	Qualified
2-6	Printing Of Insulation	Printing should contains manufacturer, product and size, voltage etc. Printing should be clear, easily recognized, fastness		Passed	Qualified
3 Completed Cable					
3-1	Shape	Flat		Flat	Qualified
3-2	Approx weight of completed cable	160Kg/km		162	Qualified
3-3	Alternating Voltage Stress Testing (3.0kv/1min)	No Breakdown		No Breakdown	Qualified

Tested by: Jingyan Zhao

Checked by: Guohui Xu

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