



Test Report

Products	OAK AAAC/PVC		Size	100mm ²		
Standard	BS 6485	BS215-1	Invoice No.	20221123003	Date	2022.11.23
NO.	Item	Standards and Requirements		Test Results	Evaluation	
Structure						
1	Phase Core					
1-1	Number of core	1		1	Qualified	
1-2	Conductor Structure	7/4.65		7/4.65	Qualified	
1-3	Conductor Material	Al alloy		Al alloy	Qualified	
1-4	Outer Stranding Direction Of Lay	Rightward		Rightward	Qualified	
1-5	Lay Ratio	12-14		13.3	Qualified	
1-6	Conductor Dia.	13.95		13.97	Qualified	
2	Insulation					
2-1	Insulation Material	UV-PVC		UV-PVC	Qualified	
2-2	Color	Black		Black	Qualified	
2-3	Normal Thickness Of Insulation	1.1		1.2	Qualified	
2-4	Min. Thickness Of Insulation	≥0.89		0.93	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	Electrical Performance					
3-1	20℃ Max D.C Resistance Of Phase Conductor	≤ 0.2767 Ω /KM		0.2702	Qualified	
3-2	Approximate Tensile Strength	35KN		37.4	Qualified	
3-3	Spark test 6KV	No Breakdown		No Breakdown	Qualified	

Tested by: Jingyan Zhao

Checked by: Guohui Xu