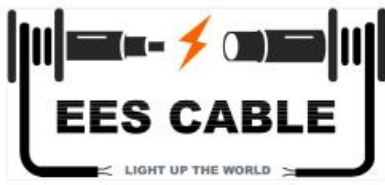


TEST REPORT

Product name	electric power cable		model	ABC CABLE	
Rated voltage	0.6/1 kV		specifications	2 ×4AWG+1	
The plate number/ number	1-2/1-2		product standard	The customer provides the technical parameters	
Date of manufacture	September 06,2023		length	5000m	
Order number	Inspecting item	Customer requirement	unit	result	conclusion
Hard aluminum conductor	Number of conductor / conductor diameter	7/1.96±0.02	mm/No.	7/1.96 7/1.96	√
	Conductor DC resistance (20°C)	≤ 1.363	Ω/km	1.347 1.351	√
	Conductor approximate outer diameter	5.88	mm	5.87 5.88	√
	Consecting direction	right		right, right	√
insulation	Insulation material	XLPE		XLPE	√
	Insulation color	black		black	
	Average insulation thickness	≥ 1.6	mm	1.6 1.7	√
	Minimum Thickness of the insulation	≥ 1.40	mm	1.50 1.52	√
	Insulation is approximate of outer diameter	9.08		9.14 9.10	√
	Elongation under the insulating load	≤ 175	%	60 50	
	Permanent deformation rate of insulation after cooling	≤ 15	%	0 0	
	Number of aluminum	6/2.12±0.02	mm/No.	6/2.13	√



Bare steel reinforced aluminum conductor	wires / diameter		No.		
	Number of steel wires / diameter	1/2.12±0.03	mm/No.	1/2.13	
	Conductor DC resistance (20°C)	≤ 1.360	Ω/km	1.326	√
	Conductor approximate outer diameter	6.36	mm	6.34	√
	Laying-up direction	right		right	√
	lay ratio	10-14	times	13.1	√
cabling	Cabling laying-up direction	right		right	√
	Cabling lay ratio	20-60	times	55	√
	Approximate outer diameter	17.6	mm	17.6	√
End product	Finished product cable surface sign	Correct, clear, rub-resistant		conformed	√
	Distance between phase markers	≤275	mm	180	√
	The AC-voltage test	3.5 / 5 no breakdown	kV/min	pass	√
Note: "√" means that the item is qualified, "×" means that the item is unqualified, and "—" means that the item does not require testing.					

Inspector:Feng Ruxia

Review: Xu Qiang

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