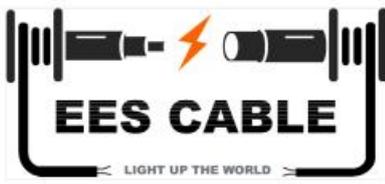


TEST REPORT

Product name	electric power cable		model	ABC CABLE	
Rated voltage	0.6/1 kV		specifications	2 × 1/0AW G +1	
The plate number/number	1-72/1-72		product standard	The Customer provides the technical parameters	
date of manufacture	September 06,2023		length	72000m	
order number	Inspecting item	Customer requirements	unit	result	conclusion
Hard aluminum conductor	Conductor No. / conductor diameter	7/3.12±0.03	mm/No.	7/3.11 7/3.12	√
	Conductor DC resistance (20°C)	≤ 0.5390	Ω/km	0.5220 0.5280	√
	conductor approximate outer diameter	9.36	mm	9.37 9.36	√
	Laying-up direction	right		right right	√
insulation	Insulation material	XLPE		XLPE	√
	Insulation color	black		black	
	Average insulation thickness	≥ 1.6	mm	1.6 1.6	√
	Minimum thickness of the insulation	≥ 1.40	mm	1.49 1.54	√
	Insulation approximate of outer diameter	12.56		12.56 12.53	√
	Elongation under the insulating load	≤ 175	%	50 50	
	Permanent deformation rate after insulation cooling	≤ 15	%	0 0	
	Number of aluminum wires / diameter	6/3.37±0.03	mm/No.	6/3.37	√



Bare steel reinforced aluminum conductor	Number of steel wires / diameter	1/3.37±0.05	mm/No.	1/3.36	
	Conductor DC resistance (20°C)	≤0.5343	Ω /km	0.5261	√
	Conductor approximate the outer diameter	10.11	mm	10.12	√
	Laying-up direction	right		right	√
	lay ratio	10-14	times	13.3	√
cabling	Cabling laying-up direction	right		right	√
	Cabling lay ratio	20-60	times	52	√
	Approximate outer diameter	25.4	mm	25.4	√
end product	Finished product cable surface sign	Correct, clear, and rub-resistant		accord with	√
	Distance between phase markers	≤275	mm	200	√
	The AC- voltage test	3.5 / 5 no breakdown	kV/min	pass	√

Review: Xu Qiang

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

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