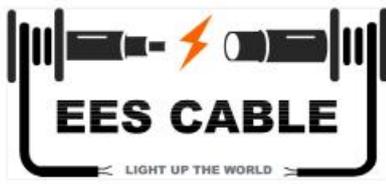


TEST REPORT

Product name		electric power cable	model	ABC CABLE	
Rated voltage		0.6/1 kV	specifications	1 × 6AWG+1	
The plate number / number		1-49/1-49	product standard	The Customer provides the technical parameters	
Date of manufacture		September 06,2023	length	245000m	
order number	inspecting item	Customer requirements	unit	result	conclusion
hard aluminum conductor	Conductor No./ conductor diameter	7/1.55±0.01	mm/No.	7/1.55	√
	Conductor DC resistance (20°C)	≤2.17	Ω/km	2.14	√
	Conductor approximate outer diameter	4.65	mm	4.66	√
	Laying-up direction	right		right	√
insulation	Insulation material	XLPE		XLPE	√
	Insulation color	black		black	
	Average insulation thickness	≥ 1.6	mm	1.6	√
	Minimum thickness of the insulation	≥ 1.40	mm	1.53	√
	Insulation approximate outer diameter	7.85		7.87	√
	Elongation under the insulating load	≤ 175	%	80	√
	Permanent deformation rate after insulation cooling	≤ 15	%	0	√
	Number of aluminum conductor / conductor diameter	6/1.68±0.01	mm/No.	6/1.68	√



Bare	Number of steel wires / steel diameter	1/1.68±0.03	mm/No.	1/1.68	
steel reinforced aluminum conductor	Conductor DC resistance (20°C)	≤2.16	Ω/km	2.11	√
	Conductor approximate outer diameter	5.04	mm	5.06	√
	Laying-up direction	right		right	√
	lay ratio	10-14	times	13.5	√
cabling	Cabling laying-up direction	right		right	√
	Cabling lay ratio	20-60	times	53	√
	Approximate outer diameter	12.9	mm	12.9	√
end product	Finished product cable surface sign	Correct, clear, rub-resistant		conformed	√
	Distance between phase markers	≤275	mm	201	√
	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.