

## TEST REPORT

Product name	Electric power cable		model	YJV	
Rated voltage	0.6/1kV		specifications	1 ×2AWG	
date of manufacture	September 06,2023		length	1410m	
Inspecting item	unit	Standard requirements	measured results	conclusion	
Color of the inspected insulation wire core		true quality	true quality		
Conductor material		copper	copper	qualified	
Minimum number of conductor	No.	19	19	qualified	
Conductor diameter	mm	1.53	1.53	qualified	
conductor approximate the outer diameter	mm	7.20	7.22	qualified	
Conductor DC resistance (20°C)	Ω/km	≤ 0.555	0.533	qualified	
Insulation material		XLPE	XLPE	qualified	
Average insulation thickness	mm	≥ 1.14	1.3	qualified	
Minimum thickness of the insulation	mm	≥ 1.02	1.20	qualified	
Elongation under the insulating load	%	≤ 175	50	qualified	
Permanent deformation rate after insulation cooling	%	≤ 15	0	qualified	
Cabling laying-up direction		-	-	-	
Sheath materials		PVC	PVC	qualified	



Sheath color		black	black	qualified
Average thickness of the sheath	mm	$\geq 0.76$	0.80	qualified
Minimum thickness of the sheath	mm	$\geq 0.64$	0.70	qualified
The AC- voltage test	kV/min	3.5 / 5 No breakdown	pass	qualified
Finished product cable surface sign		Correct, clear, rub-resistant	Conformed	qualified
Mark distance	mm	$\leq 500$	300	qualified
conclusion	This product meets the requirements of IEC 60502-1 IEC 60228 standard			

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.