

TEST REPORT

Product name		Nylon sheath cable		Report number	20230906	
Types specification		TSJ 600V 2 × 12AWG		Examination date	September 06, 2023	
Length		7000m		inspection standard	The Customer provides the technical parameters	
class	inspecting item	unit	Customer requirements	result	conclusion	
structure size	Conductor material		Annealing copper wire	Annealing copper wire	qualified	
	Number of conductor	No.	40	40 40	qualified	
	Conductor diameter	mm	0.320±0.01	0.320 0.320	qualified	
	Laying-up		left	left left	qualified	
	Color of the insulation wire core		red black	red black	qualified	
	Average insulation thickness	mm	≥0.98	1.07 1.11	qualified	
	Minimum thickness of the insulation	mm	≥0.88	0.93 0.93	qualified	
	Minimum thickness of nylon sheath	mm	≥0.10	0.19 0.20	qualified	
	Laying-up direction		right	right	qualified	
	Cabling lay ratio	times	≤25	23	qualified	
	Average thickness of the sheath	mm	≥ 1.2	1.2	qualified	



	Minimum thickness of the sheath	mm	≥0.90	1.17	qualified
Cable surface	Logo content	-	According to the technical agreement	Conformed	qualified
	Cable apparent	-	surface is smooth and uniform in color	Conformed	qualified
	Printing mark	-	Complete, clear, rub-resistant	Conformed	qualified
	Marker spacing	mm	Maximum of 500	280	qualified
electrical function	Conductor resistance of 20°C	Ω/km	≤ 5.43	5.29 5.33	qualified
	Finished product cable voltage test	kV/5min	3.5kV/5min no breakdown	pass	qualified

Conclusion: The test meets the requirements of technical parameters provided by customers

Inspector:, Feng Ruxia

Review: Xu Qiang

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