



220008343840



报告编号
Reference No



CT24-00970

中国认可
国际互认
检测
TESTING
CNAS L0207

检测报告

Test Report

样品名称 Name of sample	0.6/1kV Aerial Bundled Cable
样品型号 Type of sample	TRIPLEX Shrimp
委托方 Consigner	Hangzhou Easy Electric Wire and Cable Co., Ltd.
试验类型 Kind of test	Commission Test



上海国缆检测股份有限公司
SHANGHAI NATIONAL CENTER OF TESTING AND INSPECTION
FOR ELECTRIC CABLE AND WIRE CO., LTD


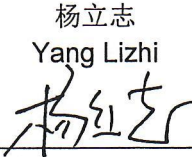
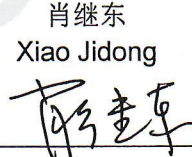
国家电线电缆质量检验检测中心
CHINA NATIONAL CENTRE OF TESTING AND INSPECTION
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Shanghai National Center of Testing and Inspection for Electric Cable and Wire Co., Ltd.
China National Centre of Testing and Inspection for Electric Cable and Wire
Test Report

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Kind of test	Commission Test		Reference No.	CT24-00970	
Name of sample	0.6/1kV Aerial Bundled Cable				
Type and Size	0.6/1kV Aerial Bundled Cable TRIPLEX Shrimp 2×2AWG+2AWG		Date of test	2024-03-12~2024-04-09	
Consigner	Name Hangzhou Easy Electric Wire and Cable Co., Ltd.				
	Address Room 305, Building 2, No. 380 Fengxin Road, Hangzhou, China				
	Tel.	19560490934	P.C.	311121	Unit No. 057129
Manufacturer	Name Hangzhou Easy Electric Wire and Cable Co., Ltd.				
	Address Room 305, Building 2, No. 380 Fengxin Road, Hangzhou, China				
	Tel.	19560490934	P.C.	311121	Unit No. 057129
Delivering mode	Supplied by consigner	Sample state at receiving	Normal	Receiving date	2024-03-08
Test standard	ICEA T-27-581-2020 Standard Test Methods for Extruded Dielectric Power, Control, Instrumentation, and Portable Cables for Test				
Verdict standard	1. ANSI/ICEA S-76-474-2020 Standard for Neutral-supported power cable assemblies with weather-resistant extruded insulation rated 600 Volts 2. Technical specification provided by the consigner				
Conclusion	Cable construction and the conductor DC resistance at 20°C complied with the requirements of technical specification provided by the consigner, other items tested complied with the requirements of ANSI/ICEA S-76-474-2020.				
Note	/				
Tested by	李娜 LTNa 	Checked by	杨立志 Yang Lizhi 	Approved by	肖继东 Xiao Jidong 
Date	2024.4.9	Date	2024.4.10	Date	2024.4.10

Type and size		0.6/1kV Aerial Bundled Cable TRIPLEX Shrimp 2×2AWG+2AWG		Reference.No	CT24-00970	
Cl.	Test Items	Unit	Requirements	Test Results		Verdict
	Inspected phase conductor identification(2AWG)		/	Black A	Black B	N
	Inspected neutral conductor identification (2AWG)		/	No covering		N
1	construction					
1.1	Phase cores					
1.1.1	Conductor					
	— Conductor material		Aluminum	Aluminum	Aluminum	P
	— Number of wires		7	7	7	P
	— Diameter of conductor	mm	/	7.02	7.01	N
	— Lay direction of the outer layer		Left hand	Left hand	Left hand	P
	— Lay length/diameter	times	8~16	16	16	P
1.1.2	Insulation					
	— Average thickness	mm	/	1.4	1.4	N
	— Minimum thickness at any point	mm	Min.1.00	1.39	1.33	P
1.2	Neutral conductor					
1.2.1	Conductor					
	— Conductor material		Aluminium	Aluminium		P
	— Number of wires		7	7		P
	— Diameter of conductor	mm	/	7.96		N
	— Lay direction		right hand	right hand		P
	— Lay length/conductor diameter	times	8~16	12		P
1.3	Laying-up of the cores					
	— lay length of cable assemblies/diameter of one phase core	times	20~60	31		P
	— Lay directon		Right hand	Right hand		P

Note: "P" means this item does meet the requirement, "F" means this item does not meet the requirement, "N" means this item does not require verdict. "/" means this item does not require testing.

Type and size		0.6/1kV Aerial Bundled Cable TRIPLEX Shrimp 2×2AWG+2AWG		Reference.No	CT24-00970	
Cl.	Test Items	Unit	Requirements	Test Results		Verdict
2	Electrical properties					
2.1	Conductor DC resistance at 20°C					
	— Phase cores	Ω /km	Max.0.875	0.859	0.860	P
	— Neutral core	Ω /km	Max.0.852	0.758		P
2.2	High voltage test on cores at 20°C (immersed in water 30min, AC 3kv, 1min)					
	— Phase cores		No breakdown	passed	passed	P
2.3	Insulation resistance constant K_i at 90°C					
	— Phase cores	MΩ · km /		18500	18400	N
3	Mechanical properties of the insulation before ageing					
3.1	Phase cores					
	— Tensile strength	MPa	Min.12.4	19.6	20.8	P
	— Elongation at break	%	Min.250	594	624	P
			Following blank			

Note: "P" means this item does meet the requirement, "F" means this item does not meet the requirement, "N" means this item does not require verdict. "/" means this item does not require testing.