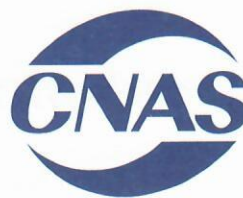




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中国认可
国际互认
检测
TESTING
CNAS L0207

报告编号

CT23-04562

Reference No.

检测报告

Test Report

样品名称

Name of sample

0.6/1kV架空绝缘电缆

0.6/1kV Aerial Bundled Cable

样品型号

Type of sample

AAC/XLPE+AAAC

委托方

Consigner

河南庆州电缆有限公司

Henan Qingzhou Cable Co., Ltd.

试验类型

Kind of test

委托试验

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
FOR ELECTRIC CABLE AND WIRE



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检测报告

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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试验类型 Kind of test		委托检验 Commission Test		报告编号 Reference No.		CT23-04562	
样品名称 Name of sample		0.6/1kV架空绝缘电缆 0.6/1kVAerial Bundled Cable					
型号规格 Type and Size		AAC/XLPE+AAAC 2×2/0+2/0		检测日期 Date of test		2023-11-03 ~ 2023-12-19	
委托方 Consigner	名称 Name	河南庆州电缆有限公司 Henan Qingzhou Cable Co., Ltd.					
	地址 Address	河南省巩义市竹林镇西工业区 Zhulin Town, Gongyi City, Henan Province, China					
	电话号码 Tel.	0371-6117683 0	邮政编码 P.C.	451200	单位编号 Unit No.	037129	
生产单位 Manufacturer	名称 Name	河南庆州电缆有限公司 Henan Qingzhou Cable Co., Ltd.					
	地址 Address	河南省巩义市竹林镇西工业区 Zhulin Town, Gongyi City, Henan Province, China					
	电话号码 Tel.	0371-6117683 0	邮政编码 P.C.	451200	单位编号 Unit No.	037129	
来样方式 Delivering mode		送样 Supplied by consigner	接收状态 Sample state at receiving	正常 Normal	收样日期 Receiving date	2023-09-27	
检测依据 Test standard		1. ICEA T-27-581-2016 挤包绝缘电力电缆、控制电缆、仪表电缆和移动用电缆测试方法 Standard Test Methods for Extruded Dielectric Power, Control, Instrumentation, and Portable Cables for Test 2. 参照UL 2556:2015 电线电缆试验方法 Refer to UL 2556:2015 Wire and Cable Test Methods					
判定依据 Verdict standard		ANSI/ICEA S-76-474-2020 额定电压600V耐候挤包绝缘中性线支撑电力电缆组件标准 Standard for Neutral-supported power cable assemblies with weather-resistant extruded insulation rated 600 Volts					
检测结论 Conclusion		该样品所测项目符合ANSI/ICEA S-76-474-2020的标准要求。 The items tested complied with the requirements of ANSI/ICEA S-76-474-2020.					
备注 Note		/					
主检 Tested by	李娜 Li Na	审核 Checked by	杨立志 Yang Lizhi	批准 Approved by	肖继东 Xiao Jidong		
日期 Date	2023.12.19	日期 Date	2023.12.20	日期 Date	2023.12.20		

型号规格 Type and size		AAC/XLPE+AAAC 2×2/0+2/0		报告编号 Reference.No.	CT23-04562	
序号 No.	检测项目 Test Items	单位 Unit	要求 Requirements	检测结果 Test Results		判定 Verdict
1	受检绝缘线芯标志 Inspected cores identification			黑A Black A	黑B Black B	N
	— 相线 phase cores		/			
	结构尺寸 Construction					
	1.1 相线导体 phase conductors					
	— 铝线根数 number of aluminum wires		19	19	19	P
	— 最外层绞合方向 direction of lay of outer layer		左向 left hand	左向 left hand	左向 left hand	P
	— 导体外径 diameter of the conductor	mm	10.09~10.51	10.30	10.28	P
	1.2 中性导体 neutral conductor					
	— 铝合金线根数 number of aluminum-alloy wires	mm	7	7		P
	— 导体单线直径 diameter of wires	mm	/	3.78		N
1.3	— 最外层绞合方向 direction of lay of outer layer		右向 Right hand	右向 Right hand		P
	— 导体外径 diameter of the conductor	mm	/	11.39		N
	绝缘 Covering					
	— 平均厚度 average thickness	mm	/	1.8	1.7	N
	— 最薄处厚度 minimum thickness at any point	mm	≥1.4	1.6	1.6	P
	1.4 成缆 Cable assemblies					
	— 成缆绞合方向 twist direction		右向 right hand	右向 right hand		P
	— 成缆节距/单根相线芯外径 lay length of cable assemblies/diameter of one phase core	倍 times	25~60	49		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.

型号规格 Type and size		AAC/XLPE+AAAC 2×2/0+2/0		报告编号 Reference.No.	CT23-04562	
序号 No.	检测项目 Test Items	单位 Unit	要求 Requirements	检测结果 Test Results		判定 Verdict
2	电性能 Electrical requirements					
2.1	相线导体直流电阻 D.C resistance of phase conductors (25℃)	Ω/km	≤0.445	0.408	0.411	P
2.2	中性线导体直流电阻 D.C resistance of neutral core (25℃)	Ω/km	≤0.435		0.411	P
2.3	交流耐压试验 AC Voltage test (浸水 immersed in water 30min, AC3kV, 1min)		不击穿 no breakdown	未击穿 no breakdown	未击穿 no breakdown	P
3	绝缘物理性能 insulation physical requirements					
3.1	原始机械性能 Initial tensile test					
	— 抗张强度 tensile strength	MPa	≥12.4	25.5	24.4	P
	— 断裂伸长率 elongation at rupture	%	≥250	624	578	P
3.2	空气烘箱老化后 After ageing in air oven (121℃, 168h)					
	— 抗张强度保留率 Percent of unaged value of tensile strength	%	≥75	91	102	P
	— 断裂伸长率保留率 Percent of unaged value of elongation at rupture	%	≥75	95	107	P
3.3	绝缘热延伸试验 Hot creep test (150℃, 15min, 0.2MPa)					
	— 负载下伸长率 elongation under load	%	≤175	48	44	P
	— 冷却后永久变形 hot set	%	≤10	0	0	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.

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