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中国认可
国际互认
检测
TESTING
CNAS L6673



Inspection Report

No. : AJDB226W00016

Product Name All Aluminum Alloy Conductor

Inspected Unit /

Produce Unit HENAN GUOWANG CABLE GROUP CO., LTD

Client HENAN GUOWANG CABLE GROUP CO., LTD

Inspection Classification Entrusted Inspection

Chengdu Institute of Product Quality Inspection Co.Ltd
National Quality Inspection and Testing Center for Wire and Cable
Products (Sichuan)

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Product Name	All Aluminum Alloy Conductor	Brand	_____
date of production/Lot	_____	Specification	AAAC-95mm ²
Sample No.	AJDB226W00016	Sample Grade	_____
Sample Quantity	30m	Sample State	Intact
Arrival Date of Sample	2026-01-07	Sample Deliverer	Fan Wang
Client	HENAN GUOWANG CABLE GROUP CO., LTD	Produce Unit	HENAN GUOWANG CABLE GROUP CO., LTD
Address of Client	56 Fuju Road, Weishi County, Kaifeng City, Henan Province, China	Address of Produce Unit	56 Fuju Road, Weishi County, Kaifeng City, Henan Province, China
Post Code of Client	_____	Post Code of Produce Unit	_____
Phone of Client	_____	Phone of Produce Unit	_____
Test Address	16 Xingmao street, Longquanyi District, Chengdu, Sichuan, China	Date of Test	2026-01-08~2026-01-13
Testing Basis	IEC 61089:1991+A1:1997 Round wire concentric lay overhead electrical stranded conductors IEC 60104:1987 Aluminium-magnesium-silicon alloy wire for overhead line conductors		
Evaluation Basis	IEC 61089:1991+A1:1997 Round wire concentric lay overhead electrical stranded conductors IEC 60104:1987 Aluminium-magnesium-silicon alloy wire for overhead line conductors		
T e s t R e s u l t	<p>After inspection, the tested results for the items of "Surface condition", "Diameter of conductor", "Lay ratio", "Direction of lay", "Number of aluminum alloy wires ", "Mass per unit length of the conductor" of the sample are shown on the following page, the remaining items of the sample comply with the requirements of IEC 61089:1991+A1:1997 and IEC 60104:1987 standard.</p> <p style="text-align: center;">  (Special Seal for Inspection and Testing) Issured Date: 2026-01-20 </p>		
Note	1、Confirmed by the client, the class of the aluminum alloy wire in this sample is Type A in the standard IEC 60104:1987.		

Approver :

刘亚杰

Auditor:

张雅利

Inspector:

陶基朋

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NO.	Test Items		Technical Requirements	Unit	Test Results			Results ^a
					1#	2#	3#	
1	Surface condition		/	/	The surface of the conductor is free from all imperfections visible to the unaided eye, such as nicks, indentations, etc., not consistent with good commercial practice.			/
2	Diameter of conductor		/	mm	12.4			/
3	Lay ratio	Outside layer	/	/	11.9			/
		Inner layer	/	/	15.7			/
4	Direction of lay		/	/	Adjacent wire layers are stranded with reverse lay directions. The direction of lay of the external layer is "right-hand".			/
5	Number of aluminum alloy wires		/	No.	19			/
6	Mass per unit length of the conductor		/	kg/km	255.0			/
7	Diameter of aluminum alloy wire		2.50±0.03	mm	2.50	2.50	2.50	P
8	Tensile strength of aluminum alloy wire		≥309 (325×0.95)	MPa	329	329	330	P
9	Elongation after fracture of aluminum alloy wire (L ₀ =250mm)		≥3.0	%	6.5	6.7	6.7	P
10	DC resistivity at 20°C of aluminum alloy wire		≤32.840	nΩ·m	31.797	31.782	31.773	P
11	Wrapping test of aluminum alloy wire		The wire shall not break.	✓	Pass	Pass	Pass	P



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NO.	Test Items	Technical Requirements	Unit	Test Results			Results ^a
				1#	2#	3#	
12	Tensile strength of aluminum alloy wire joint	≥ 130	MPa		317		P

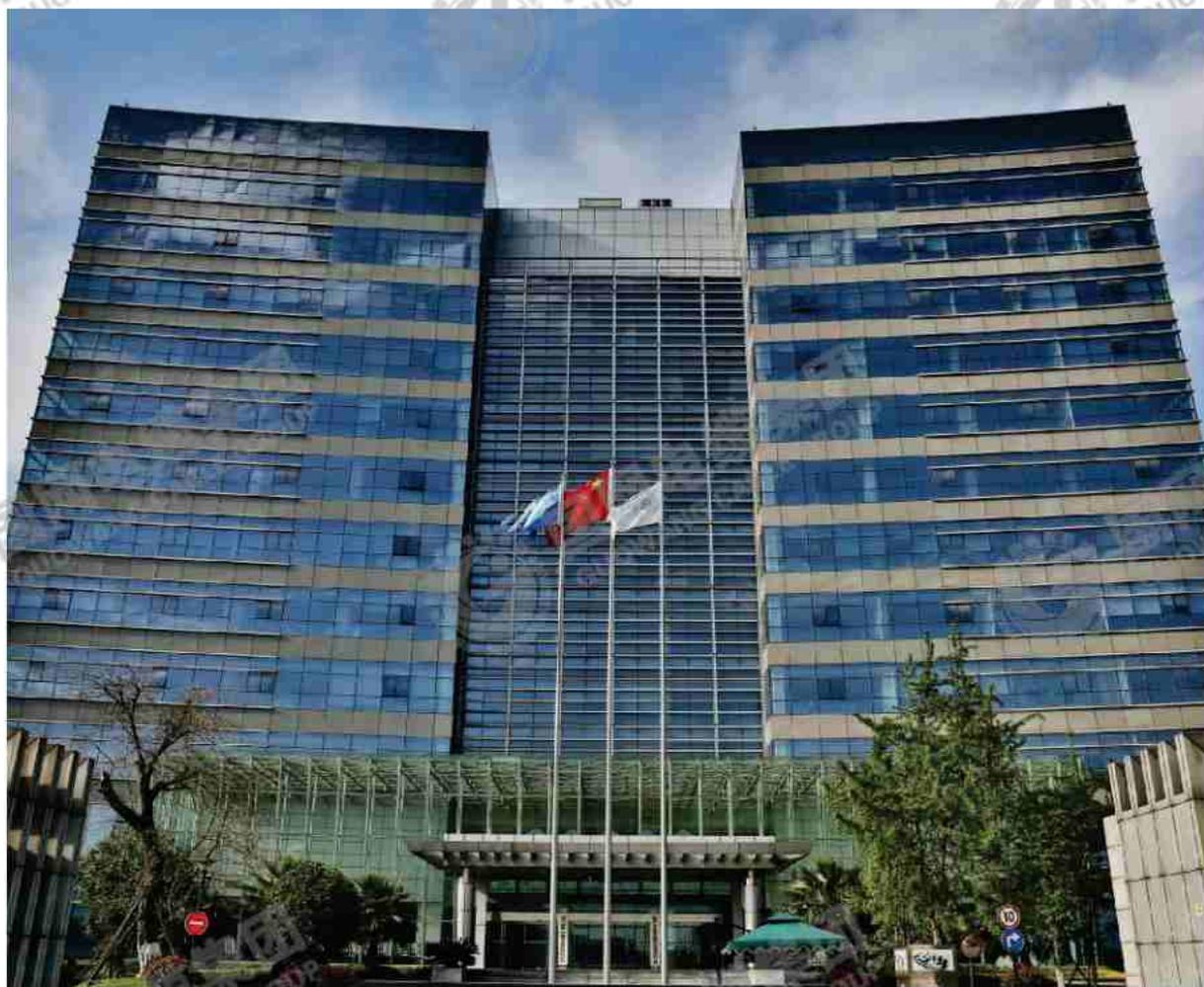
a: "P" means pass;"F" means fail;"/" means no value requirement.

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Notice

1. This institution guarantees the scientific nature, impartiality, and accuracy of inspection and testing. It is responsible for the inspection and testing data and results issued, and shall keep confidential any state secrets, commercial secrets, and technical secrets learned during inspection and testing activities.
2. An inspection and testing report is invalid without the institution's "Special Seal for Inspection and Testing".
3. An inspection and testing report is invalid without the signatures of the Lead Inspector, Reviewer, and Approver.
4. An inspection and testing report is invalid if altered.
5. A duplicated inspection and testing report is invalid without being re-stamped with the institution's "Special Seal for Inspection and Testing".
6. Dispute Handling
 - 6.1. If there is a dispute regarding a supervision inspection and testing report, a written dispute application, along with relevant materials, must be submitted to the administrative supervision department that organized the supervision sampling within the specified period (5 working days for agricultural products, 7 working days for food products, 15 days for industrial products) from the date of receiving the report. Applications submitted after the deadline will not be accepted.
 - 6.2. If there is a dispute regarding a commissioned inspection and testing report, a written dispute application must be submitted to this institution within the specified period (5 working days for agricultural products, 7 working days for food, 15 days for industrial products) from the date of receiving the report. Applications submitted after the deadline will not be accepted. Contact number for dispute acceptance: +86-028-65099083.
7. For samples submitted by the client for testing, the inspection and testing results are only applicable to the received samples. The client is responsible for the representativeness, authenticity, and relevant information of the samples.



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