



TEST REPORT

Product name: ACSR Batch

Quantity: 2 piece

Specification Model: 2/0AWG

Batch Quantity: 3000m

No: PUO.20230321002

Date of report: April 16, 2023

No	Test items	Unit	standard requirement	Inspection result
1	structure size			
1.1	The number of Aluminum wire diameter	根 mm	6 3.78±0.02mm	6 3.78 3.78 3.77
1.2	Aluminum wire twist		right	right
1.3	Aluminum pitch ratio	倍	12-14	13.4
1.4	The number of Wire diameter	根 mm	1 3.78±0.02mm	1 3.77 3.78 3.76
1.5	Strand direction		/	/
1.6	Steel wire pitch ratio	倍	/	/
2	Theoretical kilometer weight	Kg/Km	/	/
3	Workmanship quality		Bright and clean. Twisted tightly	accord
4	Aluminum wire properties			
4.1	Tensile strength (before stranding)	MPa	Average not less than170	187
4.2	winding experiment		1d, 8 turns, 6 turns, rewinding without breaking	PASS
4.3	Conductor DC Resistance (20°C)	Ω/km	Not more than0.4247Ω/km	0.4086
5	Steel wire properties			
5.1	Tensile strength	N/mm ²	Not less than1410	1510
5.2	Stress at 1% elongation	N/mm ²	Not less than1240	1302
5.3	Elongation	%	Not less than3.0%	4.8
5.4	winding test		(1d, 8 circles) no break	PASS
5.5	Zinc layer weight test	g/m ²	260	278
5.6	Zinc layer adhesion test		No cracks, no falling off	accord
6	Stranded wire outer diameter	mm	11.341	11.36

Conclusion: After inspection, the above items are in line with the standard requirements of the technical agreement.

Inspection: Zhang Xuedian

Reviewer: Zhao Youyou

Approval: Wang Aihong

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