



TEST REPORT

Product name: ACSR Batchquantity: 2 pieceSpecification Model: 2AWG 2.67/6+2.67/1Batch Quantity: 6000mNo: PUO.20230321002Date of report: April 15, 2023

No	Test items	Unit	standard requirement	Inspection result
1	structure size			
1.1	The number of Aluminum wire diameter	root mm	6 2.67±0.02mm	6 2.67 2.66 2.66
1.2	Aluminum wire twist		right	right
1.3	Aluminum pitch ratio	times	10-14	13.6
1.4	The number of Wire diameter	root mm	1 2.67±0.02mm	1 2.67 2.66 2.65
1.5	Strand direction		/	/
1.6	Steel wire pitch ratio	times	/	/
2	Theoretical kilometer weight	Kg/Km	/	/
3	Workmanship quality		Bright and clean. Twisted tightly	accord
4	Aluminum wire properties			
4.1	tensile strength	MPa	Average not less than 175	185
4.2	winding experiment		1d, 8 turns, 6 turns, rewinding without breaking	PASS
4.3	Conductor DC Resistance (20°C)	Ω/km	Not more than 0.8512Ω/km	0.8237
5	Steel wire properties			
5.1	tensile strength	N/mm ²	Not less than 1410	1619
5.2	Stress at 1% elongation	N/mm ²	Not less than 1210	1280
5.3	Elongation	%	Not less than 3.0%	4.8
5.4	winding test		(1d, 8 circles) no break	PASS
5.5	Zinc layer weight test	g/m ²	245	253
5.6	Zinc layer adhesion test		No cracks, no falling off	accord
6	Stranded wire outer diameter	mm	8.01	8.0
Conclusion: After inspection, the above items all meet the standard requirements of the technical agreement.				

Inspection: Zhang Xuedian

Reviewer: Zhao Youyou

Approval: Wang Aihong

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