



Hangzhou Easy Electric Wire and Cable Co.,LTD

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TEST REPORT

Model	ACSS 26*2.89+7*2.25		Number	2212058	
NO.	Test items	unit	standard requirement	test result	single judgment
1	structure size				
	Number of aluminum single wires	root	26	26	√
	Number of steel single wires	root	7	7	√
	Aluminum single wire diameter	mm	2.89+ $\sqrt{-0.03}$	2.878 2.895 2.891	√
	Steel single wire diameter	mm	2.25+ $\sqrt{-0.0}$	2.251 2.255 2.253	√
	Wire outer diameter	mm	22.4	18.31	√
2	Pitch ratio				
	outermost layer (aluminum)	times	10-13	11.82	√
	Proximal outer layer (aluminum)	times	10-16	13.27	√
	6 layers (steel strands)	times	16-26	18.55	√
3	twist		The outermost layer should be twisted to the right	pass	√
4	Exterior		The surface of the stranded wire shall not have visible defects, such as obvious scratches, indentations, etc., and shall not have any defects that are disproportionate to good goods.	pass	√
5	Aluminum wire performance				
	20° C single wire DC resistance	n Ω • m	≦27.889	27.14	√
	Tensile strength before	Mpa	60-95	72 69 75	√
	winding test		At a speed not exceeding 60r/min, the 1D core is wound for 8 turns, backed up by 6 turns, and then tightly wound for 8 turns. The duralumin wire should not break.	pass	√

6	Steel wire properties				√
	Minimum tensile strength	Mpa	1450	1633	√
	1% Elongation Stress	Mpa	1310	1389	√
	250mm gauge length elongation	%	≅ 3%	4	√
	Zinc coating	g/m ²	≅ 220	282	√
	winding test		The galvanized steel wire is tightly wound on the mandrel (1 times the diameter of the conductor) for 8 turns at a speed not exceeding 15r/min, and the galvanized steel wire does not break	pass	√
7	Oiled weight	kg/km	-	-	-
	Oiled - except for the single line of the outer layer, the inner layer is fully oiled		-	-	-
	oil drop point	°C	-	-	-
8	Overall performance				
	Weight per unit length	kg/km	689	688	√
	breaking load	kN	49.82	54.17	√
	20°C DC resistance	Ω/km	≅ 0.1637	0.1602	√
Note: "√" means that the item is qualified "×" means that the item is unqualified "-" means that the item does not require testing					
Conclusion: The tested test items meet the requirements of the technical agreement and pass the inspection.					
Inspectors: Fengmei Zhang		audit: Meishuai Liu		Date: 2023.1.9	

杭州益睿电线电缆有限公司
HANGZHOU EASY ELECTRIC WIRE AND CABLE CO., LTD.