



Hangzhou Easy Electric Wire and Cable Co.,LTD

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www.eescable.com

Inspection Report

Inspection Report					
Model	ACSR 1/0		Number	2209013	
NO.	Test items	unit	standard requirement	test result	single judgment
1	structure size				
	Number of aluminum single wires	root	6	6	√
	Number of steel single wires	root	1	1	√
	Aluminum single wire diameter	mm	3.37±0.03	3.372 3.375 3.371	√
	Steel single wire diameter	mm	3.37±0.08	3.377 3.372 3.374	√
	Wire outer diameter	mm	10.11	10.12	√
2	Pitch ratio				
	outermost layer (aluminum)	times	12-14	13	√
	inner layer (aluminum)	times			
	inner layer (steel)	times			
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	pass	√
5	Aluminum wire performance				
	20° C single wire DC resistance	n Ω·m	≅28.264	27.878	√
	tensile strength	Mpa	≅163	168 171 172	√
	winding test		At a speed of no more than 60r/min, the 3D core is tightly wound for 8 turns, backed up by 6 turns, and then tightly wound, and the duralumin wire should not break.	pass	√
6	Steel wire properties				
	Minimum tensile strength	Mpa	≅1410	1577	√
	1% Elongation Stress	Mpa	≅1240	1289	√

	Zinc coating	g/m ²	≧270	332	√
	250mm gauge length elongation	%	≧4	5.2	√
	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	216.3	216	-
	breaking load	kn	≧19.49	24.07	√
	20°C DC resistance	Ω/km	≤0.5232	0.5109	√
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		Date:	2022.9.27

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