



TEST REPORT

Model		ACSR 26*3.44+7*2.68		Number		2209014	
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	3.44+ $\sqrt{-0.03}$	3.449 3.441 3.445	√		
	Steel single wire diameter	mm	2.68+ $\sqrt{-0.05}$	2.677 2.692 2.689	√		
	Wire outer diameter	mm	21.79	21.8	√		
2	Pitch ratio						
	outermost layer (aluminum)	times	10-14	12.3	√		
	inner layer (aluminum)	times	10-16	14.5	√		
	inner layer (steel)	times	16-26	19.2	√		
3	twist		The outermost layer should be twisted to the right	pass	√		
			Adjacent layers should be twisted in opposite directions	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	≅ 28.264	27.878	√		
	tensile strength	Mpa	≅ 163	185 188 193	√		

	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	1523	√
	1% Elongation Stress	Mpa	≥ 1280	1311	√
	Zinc coating	g/m ²	≥ 230	246	√
	250mm gauge length elongation	%	≥ 4	4.5	√
	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	974.3	974	√
	breaking load	kn	≥ 86.73	92.9	√
	20°C DC resistance	Ω/km	≤ 0.1195	0.1087	√
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.					
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