



检测报告 Test Report

样 品 名 Aluminum conductor steel reinforced Name of sample 品 样 型 **ACSR** Type of sample HANGZHOU EASY ELECTRIC WIRE AND CABLE 方 Consigner CO., LTD 试 验 类 型 Commission test Kind of test

上海国缆检测股份有限公司
SHANGHAI NATIONAL CENTER OF TESTING AND INSPECTION
FOR ELECTRIC CABLE AND WIRE CO., LTD

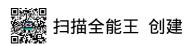
国家电线电缆质量检验检测中心

CHINA NATIONAL CENTRE OF TESTING AND INSPECTION FOR ELECTRIC CABLE AND WIRE



地址:上海市宝山区真陈路888号 邮编:200444 电话:021-65493333 传真:021-65490171

电子邮箱:ewec@ticw.com.cn 报告查询网站:www.ticw.com.cn



Shanghai National Center of Testing and Inspection for Electric Cable and Wire Co., Ltd. China National Centre of Testing and Inspection for Electric Cable and Wire Test Report

lage lola	Page	1	of	4
-----------	------	---	----	---

							Page 1 01 4				
Kind of test Commission test				Reference N	No. C	Г22-03241-1					
	lame of sample	Aluminum conducto	r steel reinforced		· •						
Ty	pe and Size	ACSR 1272MCM (I	Bittern)	Date of test 2022-09-19~2022-11-21							
ē	Name	HANGZHOU EASY	ELECTRIC WIRE A	AND CABLE CO., LTD							
Consigner	Address	Room 305, Building	2, No. 380 Fengxin	Road, Hangzho	u, China						
ပိ	Tel.	158 6927 4963	P.C.	1		Unit No.	057129				
ırer	Name	HANGZHOU EASY	ELECTRIC WIRE A	., LTD	•						
Manufacturer	Address	Room 305, Building	Room 305, Building 2, No. 380 Fengxin Road, Hangzhou, China								
Mar	Tel.	158 6927 4963	P.C.	1		Unit No.	057129				
	elivering mode	Supplied by consigner	Sample state at receiving	Normal		Receiving date	2022-09-13				
s	Test tandard	ASTM B232/E	3232M-17 Standard S Conductors, C	Specification for coated-Steel Re	r Concer einforced	ntric-Lay-Strand (ACSR)	led Aluminum				
	/erdict tandard		69	me at test stan	dard	大學	27				
Co	nclusion	"Mass per unit leng the sample supplied 232/B232M-17.	th of the conductor" d with test results, ar	and "DC resistand other items of	ance at comply w	20°C of the contitle the contitle the contitle continue to the continue to th	nductor" tested for pentss of ASTM B				
	Note	1. The consigner su 2. Consigner reques 232/B232M-17.	pplied name, type ar st to verdict accordin	nd size of the sa g to the require	ample ar ment of	nd is responsibl ACSR/GA2 in A	e for them; ASTM B				
		Wang HongMei	of talls	Wu Min	A	pproved by	Wang Xu				
Те	sted by	4 1 34	Checked by	2022/1/2			& 1×1				

Page 2 of 4

			9.5				Pa	ge 2 of 4
Туре	e and size	ACSR 12	272MCM	(Bittern)	Reference No		CT22-03	241-1
No.	Test Items Unit		Unit	Requirements		Test	Results	Verdict
1	Structure	\						
1.1	Number of AI w	vires	No.	45			45	Р
1.2	Number of stee	el wires	No.	7			7	Р
2	Conductor dian	neter	mm	34.16±0.3	4	3	4.42	Р
3	Area of cross	section of	mm²	≥631.6		6	42.3	Р
h .	aluminium			(644.5×0	0.98)			
4	Surface			The conduc	ctor shall be clean and	F	Pass	Р
				free of	imperfections not			
				consistent	with good commercial			
				practice.				,
5	Lay	\)''						
5.1	Direction of lay			The direction	on of lay of the outside	Re	verse,	Р
				layer shall	be right hand, the	"righ	nt-hand"	
				direction of	lay shall be reversed			
				in successi	ve layers.			
5.2	Inertness			The wires	in each layer shall be	Evenly a	and Closely	Р
				evenly an	nd closely stranded			1
				1	underlying wire or the			
•				1	e the conductor is cut,			
		-			hall remain in position			
r i	•				fily replaced by hand			
					emain approximately in			
				position.				
5.3	Lay ratio				f every layer should not	F	Pass	Р
					the close inner one.			
5.3.1	Steel core			16~26		'	18.8	Р
5.3.2	Al wires layer							
5.3.2.1	Inner layer			10~17			16.8	Р
5.3.2.2	Adjacent outer	layer		10~16	·		13.3	Р
5.3.2.3	Outer layer			10~13			10.5	Р

Note: "P" means this item does meet the requirement, "F" means this item does not meet the requirement, "N" mear item does not require to the verdict.

Type and size ACSR 1272		2MCM (Bittern) Reference No.		CT22-03241-1				
No.	Tes	st Items	Unit	F	Requirements	Tes	st Results	Verdict
6 6.1	Properties (stranded) Diameter	of Steel wire			(5)			
6.1.1	Core wire		mm	2.85±0.0	051	1	2.885	P
6.1.2	6-wires lay	er er	mm	2.85±0.0		2.863 2.883		P
6.2	Tensile stre			2.00 ± 0.0				
6.2.1	Core wire		MPa	≥1340 (1410×	0.95)		1447	Р
6.2.2	6-wires lay	er	MPa	≥1340 (1410×		148	1 1461	Р
6.3	Stress at 1	% extension	MPa	≥1280			1285	P
6.4	Elongation	after (L ₀ =250 mm)	%	≥3.5			4.6	P
6.5 6.6	Wrapping (2d, 8turn	test	1	No fractu	re shall occur.	No fract	ture occurred.	P
6.6.1	Mass of zin	-	g/m²	≥244			335	Р
6.6.2	Adherence coating (40	e of zinc		nor flake any zinc	coating shall not crack to such an extent that can be removed by with bare fingers.	no	o cracking, o flaking	P
7	Properties (stranded)	of Al wires						
7.1	Diameter		mm	4.27±0.0	04		4.26	P
7.2	Tensile stre	ength	+.					
7.2.1	Individual t	ests	MPa	≥152 (160×0.9	95)		169	P
7.2.2	Average fo	r a lot	MPa	≥157 (165×0.9	95)		174	P

Note: "P" means this item does meet the requirement, "F" means this item does not meet the requirement, "N" means this item does not require to the verdict.

D	_		-5	
Pag	U	4	OI	4

Type and size	ACSR 12	272MCM (Bi	ittern)	Reference I	Vo.	Page 4 CT22-03241	
	est Items	Unit	Requirer			est Results	Verdict
7.3 DC resistiv	rity at 20℃						
7.3.1 Individual t		Ω·mm²/m	≤0.028265		(0.027961	Р
7.3.2 Average fo	r a lot	Ω·mm²/m	≤0.028172			0.027909	P
7.4 Bending (1	d)		The wire shall	not break.		akage occurred.	P
8 Mass per u	ınit length of the	kg/km	1			2116.4	N
9 DC resista	nce at 20℃ of	Ω/km	1			0.04252	N
the conduc	ctor		End of Report				
			C				10000000000000000000000000000000000000

Note: "P" means this item does meet the requirement, "F" means this item does not meet the requirement, "N" means this item does not require to the verdict.