



**CABLE MANUFACTURER**  
HENAN SANHENG INDUSTRIAL CO., LTD.

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## ACSR Conductor



### Description

Description	Aluminum Conductor Steel Reinforced(ACSR)
Conductor	Aluminum/Steel
Standard	IEC61089, BS EN 50182, ASTM B232

### Application :

Used as bare overhead transmission cable and primary and secondary distribution cable.ACSR offers optional strength for line design without sacrificing ampacity.

Technical data :

Dimensions – nominal cross-section	Calculated cross-sections	Construction	Construction	External diameter	Weight	Permitted stress	Conductor resistance at 20 °C
Al/Steel		Al	Steel				max.
mm <sup>2</sup>	mm <sup>2</sup>			mm	kg/km	N	Ω/km
16/2,5	17,8	6x1,80	1x1,80	5,4	62	5,825	1,878
25/4	27,8	6x2,25	1x2,25	6,8	97	9,030	1,200
35/6	40,0	6x2,70	1x2,70	8,1	140	12,660	0,835
44/32	75,7	14x2,00	7x2,40	11,2	378	45,500	0,657
50/8	56,3	6x3,20	1x3,20	9,6	196	17,140	0,595
50/30	81,0	12x2,33	7x2,33	11,7	383	44,225	0,564
70/12	81,3	26x1,85	7x1,44	11,7	285	26,315	0,413
95/15	109,7	26x2,15	7x1,67	13,6	384	35,140	0,306
95/55	152,8	12x3,20	7x3,20	16,0	722	80,200	0,299
105/75	181,5	14x3,10	19x2,25	17,5	907	106,635	0,274
120/20	141,4	26x2,44	7x1,90	15,5	496	44,885	0,237
120/70	193,3	12x3,60	7x3,60	18,0	913	98,195	0,236
125/30	157,7	30x2,33	7x2,33	16,3	595	57,800	0,226
150/25	173,1	26x2,70	7x3,10	17,1	607	54,315	0,194
170/40	211,9	30x2,70	7x2,70	18,9	798	77,040	0,168
185/30	213,6	26x3,00	7x2,33	19,0	748	66,225	0,157
210/35	243,2	26x3,20	7x2,49	20,3	852	74,950	0,138
210/50	261,6	30x3,00	7x3,00	21,0	986	92,275	0,136
230/30	260,7	24x3,50	7x2,33	21,0	878	73,030	0,125
240/40	282,5	26x3,45	7x2,68	21,8	990	86,460	0,119
265/35	297,8	24x3,74	7x2,49	22,4	1,003	82,955	0,109



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300/50	353,7	26x3,86	7x3,00	24,4	1,239	105,120	0,949
305/40	344,1	54x2,68	7x2,68	24,1	1,160	99,305	0,949
340/30	369,1	48x3,00	7x2,33	25,0	1,177	92,505	0,085
360/57	416,5	26x4,20	7x3,20	26,4	1,449	125,245	0,080
360/57	417,5	26x4,20	19x1,96	26,6	1,468	125,245	0,080
380/50	431,5	54x3,00	7x3,00	27,0	1,454	120,990	0,076
385/35	420,1	48x3,20	7x2,49	26,7	1,341	104,315	0,075
435/55	490,6	54x3,20	7x3,20	28,8	1,654	136,275	0,059
450/40	488,2	48x3,45	7x2,68	28,7	1,557	120,195	0,064
490/65	553,9	54x3,40	7x3,40	30,6	1,868	152,915	0,059
495/35	528,2	45x3,74	7x2,49	29,9	1,639	120,280	0,058
510/45	555,5	48x3,68	7x2,87	30,7	1,775	134,295	0,057
550/70	621,3	54x3,60	7x3,60	32,4	2,094	167,530	0,051
560/50	611,2	48x3,86	7x3,00	32,2	1,950	146,300	0,051
570/40	610,3	45x4,02	7x2,68	32,2	1,895	138,000	0,051
650/45	698,5	45x4,30	7x2,87	34,4	2,169	155,550	0,044
680/85	764,8	54x4,00	19x2,40	36,0	2,573	210,055	0,043