



ACAR Aluminum Conductor Aluminum Alloy Reinforced

CABLE STRUCTURE:

Aluminium alloy core
Aluminium strand

CODE DESIGNATION:

ACAR

STANDARD:

IEC 61089

APPLICATION:

The advantages of ACAR are wide adaptability, strong bearing capacity and good corrosion resistance. It is often used in high-temperature areas, high-altitude areas and other high-intensity occasions.

CERTIFICATES:

We hold SAA, CE, TUV and CCC certifications for our product categories. Additionally, we possess other authoritative certifications recognized in various countries and regions. For further details on our certification portfolio, please do not hesitate to contact us.





ACAR Aluminum Conductor Aluminum Alloy Reinforced

Specifications

IEC 61089

Code Number	Diameter		Number of Wires		Area		Linear Mass	Rated Strength	Max D.C. Resistance at 20°C
	Wire	Cond.	Al.	Alloy	Al.	Alloy			
	mm	mm	mm	mm	mm ²	mm ²	kg/km	kN	Ω/km
16	1.76	5.28	4	3	9.73	7.3	46.6	3.85	1.7896
25	2.2	6.6	4	3	15.2	11.4	72.8	5.93	1.1453
40	2.78	8.35	4	3	24.3	18.3	116.5	9.25	0.7158
63	3.49	10.5	4	3	38.3	28.7	183.5	14.38	0.4545
100	4.4	13.2	4	3	60.8	45.6	291.2	22.52	0.2863
125	2.97	14.9	12	7	83.3	48.6	362.7	27.79	0.2302
160	3.36	16.8	12	7	107	62.2	464.2	35.04	0.1798
200	3.76	18.8	12	7	133	77.8	580.3	43.13	0.1439
250	4.21	21	12	7	167	97.2	725.3	53.92	0.1151
250	3.04	21.3	18	19	131	138	742.2	60.39	0.1154
315	3.34	23.4	30	7	263	61.3	892.6	60.52	0.0916
315	3.42	23.9	18	19	165	174	935.1	76.09	0.0916
400	3.76	26.3	30	7	334	77.8	1133.5	75.19	0.0721
400	3.85	27	18	19	210	221	1187.5	95.58	0.0721
450	3.99	27.9	30	7	375	87.6	1275.2	84.59	0.0641
450	4.08	28.6	18	19	236	249	1335.9	107.52	0.0641
500	4.21	29.4	30	7	417	97.3	1416.9	93.98	0.0577
500	4.31	30.1	18	19	262	277	1484.3	119.47	0.0577
560	4.45	31.2	30	7	467	109	1586.9	105.26	0.0515
560	3.45	31	54	7	504	65.4	1571.9	101.54	0.0516
630	3.71	33.4	42	19	454	205	1820	130.25	0.0458
630	3.79	34.1	24	37	271	417	1897.5	160.19	0.0458
710	3.94	35.5	42	19	512	232	2051.2	146.78	0.0407
710	4.02	36.2	24	37	305	470	2138.4	180.53	0.0407
800	4.18	37.6	42	19	577	261	2311.2	165.39	0.0361
800	4.27	38.4	24	37	344	530	2409.5	203.41	0.0361
900	4.43	39.9	42	19	649	294	2600.1	186.06	0.0321
900	3.66	40.2	54	37	567	388	2638.4	199.54	0.0321
1000	3.8	41.8	72	19	816	215	2849.1	190.94	0.0289
1000	3.85	42.4	54	37	630	432	2931.6	221.71	0.0289
1120	4.02	44.2	72	19	914	241	3191	213.85	0.0258
1120	4.08	44.9	54	37	705	483	3283.4	248.32	0.0258
1250	4.25	46.7	72	19	1020	269	3561.4	238.68	0.0231
1250	4.31	47.4	54	37	787	539	3664.5	277.14	0.0231
1400	4.5	49.4	72	19	1143	302	3988.8	267.32	0.0207