

ALL ALUMINIUM ALLOY CONDUCTORS



6201 Aluminum
Alloy Wires

APPLICATIONS:

Used as bare overhead conductor for power transmission and distribution lines on aerial circuit that require a larger mechanical resistance than AAC, and a better corrosion resistance than the one produced by the ACSR. The sag characteristics and the strength-to-weight ratio is better than AAC/ACSR.

SPECIFICATIONS:

Anvil's bare All Aluminium Alloy Conductors meet the following specifications:

- ASTM B 399
- BS 3242
- DIN 48201
- IEC 1089

CONSTRUCTION:

This bare concentric-lay-stranded conductor, made from round aluminum alloy 6201-T81 wires, is constructed with a central core surrounded by one or more layers of helically laid wires.



ANVIL CABLES PVT. LTD.

Manufacturers of Cables, Conductors, Earth / Stay Wires
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AMERICAN SIZES: ASTM B 399

Size	Alloy Area	Number of Strands	Diameter	Overall Diameter of Conductor	Lineal Weight	Rated Strength	Maximum Resistance @ 20°C
mm ²	mm ²		mm	mm	kg / km	kg	Ω / km
16	16.07	7	1.71	5.13	44.1	519	2.094
25	24.95	7	2.13	6.39	68.5	805	1.340
35	34.91	7	2.52	7.56	95.8	1,127	0.957
50	50.14	7	3.02	9.06	140.3	1,620	0.670
50	49.97	19	1.83	9.15	137.1	1,563	0.670
70	70.26	19	2.17	10.5	192.7	2,198	0.478
95	94.76	19	2.52	12.6	260	2,965	0.352
120	119.51	19	2.83	14.15	327.9	3,740	0.279
150	150.01	37	2.27	15.75	411.6	4,593	0.223
185	184.54	37	2.52	17.5	506	5,650	0.181
240	240.4	61	2.24	20.25	659.6	7,280	0.139
300	299.43	61	2.50	22.5	821.6	9,068	0.111
400	400.14	61	2.89	26.01	1,098	11,727	0.0837
500	499.83	61	3.23	29.07	1,371	14,582	0.0670
625	630.4	91	2.97	32.56	1,730	18,456	0.0532
800	802.09	91	3.35	36.85	2,200	23,180	0.0419
1000	999.71	91	3.74	41.14	2,743	28,890	0.0335



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