

AAAC Stranded Aluminum-alloy 6201-T81 Conductors

Application

This standard covers stranded aluminum-alloy 6201-T81 conductors which could high tensile load to be used mainly fo overhead distribution wire.

Construction

Stranded aluminum-alloy conductor

Description	Specification
Conductivity	52.5 %IACS
Density at 20°C	2703 kg/m ³
Resistivity at 20°C	0.032840 Ωmm ² /m



AAAC Technical Characters Based on Standard ASTM B398, ASTM 399, IEC 1089 NTP 370.258, IEC 60104

Nominal Area (mm ²)	Cross section (mm ²)	Stranding and wires Dia. (mm)	Overall Dia. (mm)	Weight (kg/km)	Rated strength (KN)	Max. D.C. Resistance (ohm/km 20°C)
16	16.07	7/1.71	5.12	43.8	4.94	2.1111
25	24.94	7/2.13	6.40	68.4	7.72	1.3511
35	34.91	7/2.52	7.57	95.7	10.81	0.9651
50	50.14	7/3.02	9.05	136.8	15.44	0.6755
70	70.06	7/3.57	10.70	191.5	20.95	0.4825
70	70.26	19/2.17	10.85	187.5	20.98	0.4902
95	94.76	19/2.52	12.62	261.1	29.33	0.3573
120	120.35	19/2.84	14.2	329.8	37.05	0.2828
150	149.95	19/3.17	15.85	412.3	46.31	0.2263
185	184.49	19/3.52	17.60	508.5	57.12	0.1835
240	240.39	19/4.01	20.05	659.7	71.82	0.1414
300	304.24	37/3.21	22.49	826.5	92.63	0.1134