



CABLE MANUFACTURER
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AAC Conductor



Description :

Description	AAC Conductor
Conductor:	Stranded Aluminum Conductor of Class 1/2 (Solid)
Insulation:	PE/XLPE/PVC Compound
Insulation Color	Black
Nominal Voltage:	600/1000V
Test Voltage:	4000 V
Minimal Bending Radius:	4D for D < 25 mm 6D for D > 25mm
Standard	GB/T12527-2008

Application :

AAC cable are widely used in power transmission lines with various voltage levels, since they have such good characteristics as simple structure, convenient installation and maintenance, low cost for the line, large transmission capacity and are also suitable for laying across rivers and valleys where special geographical features exist.



Technical data :

Nominal Section	Calculated Cross Section	No./ Dia. of Stranding Wire	Overall Diameter	Weight	Calculated Breaking Load	Max. D.C. Resistance at 20°C
mm ²	mm ²	mm	mm	kg/km	kN	Ω/km
10	10.02	7/1.35	4.1	27.4	1.95	
16	16.08	7/1.71	5.1	44	3.04	1.8018
25	24.94	7/2.13	6.3	67	4.5	1.1808
35	34.36	7/2.50	7.5	94	6.01	0.8332
40	40.08	7/2.7	8.1	109.4	6.8	
50	49.48	7/3.00	9	135	8.41	0.5786
63	63.18	7/3.39	10.2	172.3	10.39	0.4545
70	65.82	19/2.10	10.5	181	11.4	0.4371
95	93.27	19/2.50	12.5	256	15.22	0.3084
100	100.1	19/2.59	12.9	274.8	17	0.2877
120	117	19/2.80	14	322	20.61	0.2459
125	124.6	19/2.89	14.5	343.6	21.25	0.2302
150	147.1	37/2.25	15.2	406	24.43	0.196
160	159.6	19/3.27	16.4	439.8	26.4	0.1978
185	181.6	37/2.50	17.5	501	30.16	0.1587
240	242.54	61/2.25	20.2	670	38.2	0.1191
300	299.43	61/2.50	22.5	827	49.1	0.0965
400	400.14	61/2.89	26	1105	64	0.0722
500	499.83	61/3.23	29.1	1381	80	0.0578
630	626.2	91/2.96	32.6	1733	100.8	0.04625
800	802.1	91/3.35	36.8	2219	128	0.0361
1000	999.71	91/3.74	41.1	2766	160	0.029