

ALL ALUMINIUM CONDUCTOR

American Sizes ASTM B231M-04

Code Word	Stranding&Wire Diameter	Overall Diameter	Sectional Area	Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
	mm	mm	mm ²	kg/km	kN	ohm/km	A
Iris	7/2.47	7.41	33.60	92.6	5.99	0.8574	185
Pansy	7/2.78	8.34	42.40	116.6	7.30	0.6801	214
Poppy	7/3.12	9.36	53.50	147.2	8.84	0.5390	247
Aster	7/3.50	10.50	67.40	185.7	11.10	0.4276	286
Phlox	7/3.93	11.79	85.00	233.9	13.50	0.3390	331
Oxlip	7/4.42	13.26	107.20	295.2	17.00	0.2688	383
Valerian	19/2.91	14.55	126.70	348.6	20.70	0.2275	425
Sneezewort	7/4.80	14.40	126.70	348.8	20.10	0.2275	425
Laurel	19/3.10	15.05	127.70	372.2	22.10	0.2133	443
Daisy	7/4.96	14.88	135.20	372.2	21.40	0.2133	443
Peony	19/3.19	15.95	135.20	418.3	24.30	0.1896	478
Tulip	19/3.38	16.90	152.00	469.5	27.30	0.1695	513
Daffodil	19/3.45	17.25	170.50	487.9	28.40	0.1625	526
Canna	19/3.67	18.35	177.30	554.9	31.60	0.1423	570
Goldentuft	19/3.91	19.55	201.40	627.6	35.00	0.1264	616

British Sizes BS EN 50182:2001(BS215 Part 1:1970)

Code Word	Old Code	Stranding&Wire Diameter	Overall Diameter	Sectional Area	Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
		mm	mm	mm ²	kg/km	kN	ohm/km	A
23-AL1	Midge	7/2.06	6.18	22	64	3.99	1.22700	114
27-AL1	Gnat	7/2.21	6.63	--	73	4.83	1.0643	124
37-AL1	Mosquito	7/2.59	7.77	--	101	6.27	0.7749	144
43-AL1	Ladybird	7/2.79	8.37	--	117	7.28	0.6678	159
53-AL1	Ant	7/3.10	9.30	50	145	8.28	0.54190	181
64-AL1	Fly	7/3.40	10.20	60	174	9.9	0.45050	199

IEC Sizes IEC 61089:1991

Code Word	Stranding&Wire Diameter	Overall Diameter	Sectional Area	Approximate Weight	Breaking Load	DC Resistance
	mm	mm	mm ²	kg/km	kN	ohm/km
10	7/1.35	4.05	10	27.4	1.95	2.8633
16	7/1.71	5.12	16	43.8	3.04	1.7896
25	7/2.13	6.40	25	68.4	4.50	1.1453
40	7/2.70	8.09	40	109.4	6.80	0.7158
63	7/3.39	10.20	63	172.3	10.39	0.4545
100	19/2.59	12.90	100	274.8	17.00	0.2877