Inventta Energy
MANUFACTURING

CONDUCTOR DATA SHEET

ACSR CONDUCTORS

METRIC UNITS
BS 215-2 · DIN 48204 · IEC 61089

Code name	Area			Stranding and wire diameter		Approx. overall	Approx.	Rated	Max. DC resistance
	Aluminium	Steel	Total	Aluminium	Steel	diameter	weight	strength	at 20 °C
	mm²	mm²	mm²	no./mm	no./mm	mm	kg/km	kN	Ω/km
16/2.5	15.3	2.5	17.8	6/1.80	1/1.80	5.40	62	5.6	1.8880
25/4	23.9	4.0	27.8	6/2.25	1/2.25	6.75	97	8.8	1.2083
35/6	34.4	5.7	40.1	6/2.70	1/2.70	8.10	140	12.7	0.8393
FOX	36.7	6.1	42.8	6/2.79	1/2.79	8.37	150	13.5	0.7860
LA 56	46.8	7.8	54.5	6/3.15	1/3.15	9.45	191	17.2	0.6165
50/8	48.2	8.0	56.3	6/3.20	1/3.20	9.60	197	17.8	0.5975
RABBIT	52.9	8.8	61.7	6/3.35	1/3.35	10.05	216	19.5	0.5452
MINK	63.1	10.5	73.7	6/3.66	1/3.66	10.98	258	23.3	0.4567
70/12	69.9	11.4	81.3	26/1.85	7/1.44	11.72	283	25.5	0.4125
LA 110 (Canna 116)	94.2	22.0	116.2	30/2.00	7/2.00	14.00	435	42.8	0.3059
95/15	94.4	15.3	109.7	26/2.15	7/1.67	13.61	382	34.3	0.3054
DOG	105.0	13.6	118.5	6/4.72	7/1.57	14.15	397	33.7	0.2746
HARE	105.0	17.5	122.5	6/4.72	1/4.72	14.16	429	38.7	0.2746
120/20	121.6	19.9	141.4	26/2.44	7/1.90	15.46	493	44.3	0.2371
PARTRIDGE	134.9	22.0	156.9	26/2.57	7/2.00	16.28	547	49.1	0.2138
150/25	148.9	24.2	173.1	26/2.70	7/2.10	17.10	603	54.2	0.1937
WOLF	158.1	36.9	194.9	30/2.59	7/2.59	18.13	729	71.7	0.1824
DINGO	158.7	8.8	167.5	18/3.35	1/3.35	16.75	508	36.1	0.1817
185/30	183.8	29.9	213.6	26/3.00	7/2.33	18.99	744	66.8	0.1569
210/35	209.1	34.1	243.2	26/3.20	7/2.49	20.27	848	76.2	0.1379
JAGUAR	210.6	11.7	222.3	18/3.86	1/3.86	19.30	674	47.9	0.1369
PANTHER	212.1	49.5	261.5	30/3.00	7/3.00	21.00	978	96.2	0.1359
230/30	230.9	29.9	260.8	24/3.50	7/2.33	20.99	874	74.2	0.1249
PELICAN	242.3	13.5	255.8	18/4.14	1/4.14	20.70	775	55.1	0.1190
240/40	243.1	39.5	282.5	26/3.45	7/2.68	21.84	984	88.4	0.1186
265/35	263.7	34.1	297.8	24/3.74	7/2.49	22.43	998	84.7	0.1093
BEAR	264.4	61.7	326.1	30/3.35	7/3.35	23.45	1,220	120.0	0.1090
300/50	302.7	49.5	352.2	26/3.85	7/3.00	24.40	1,228	110.4	0.0952
305/40	304.6	39.5	344.1	54/2.68	7/2.68	24.12	1,154	98.0	0.0946
KINGBIRD	323.0	17.9	341.0	18/4.78	1/4.78	23.90	1,033	73.5	0.0893
SHEEP	375.1	87.5	462.6	30/3.99	7/3.99	27.93	1,731	170.2	0.0769
BISON (380/50)	381.7	49.5	431.2	54/3.00	7/3.00	27.00	1,446	122.8	0.0755

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435/55	434.3	56.3	490.6	54/3.20	7/3.20	28.80	1,645	139.7	0.0664
ELK	477.1	111.3	588.5	30/4.50	7/4.50	31.50	2,201	216.5	0.0604
MOOSE	528.5	68.5	597.0	54/3.53	7/3.53	31.77	2,002	170.1	0.0546

Note: all data in this data sheet is nominal and for information purposes only, calculated from the standard construction (Al 1350 61 % IACS, Al alloy 52.5 % IACS, galvanised steel). Final values are given in the approved Technical Data Sheet (TDS) for each order. ACSR available greased or non-greased. Other sizes and customer specifications on request. Drum lengths to customer requirements. Prices on request. Cables are manufactured according to the applicable customer specifications and relevant technical standards. Compliance with specific EN standards is subject to verification and confirmation through the required testing.