

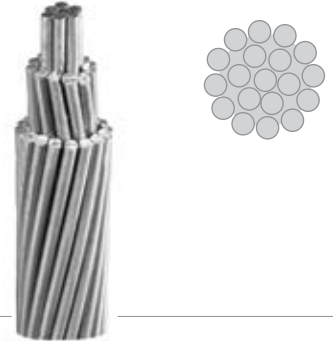
7 Overhead Lines

7.4 Aluminium Conductors Steel Reinforced (ACSR)

Application: ACSR are widely used for transmission of electricity over long distances.

Engineering Specifications

Type	: All Aluminium Conductors Steel Reinforced
Standard	: BS 215
Packing	: The ACSR are delivered on non-returnable wooden drums as per customer requirements



Technical Information

Code Word	Nominal Aluminium Area mm ²	No./Standing Wire Diameter.		Approximate Overall Diameter mm	Approximate Weight kg/km	Maximum DC Resistance at 20°C Ω/km	Nominal Breaking Load kN
		Aluminium x/mm	Steel x/mm				
GOPHER	25	6/2.36	1/2.36	7.08	106	1.093	9.60
WEASEL	30	6/2.59	1/2.59	7.77	128	0.9077	11.40
FERRET	40	6/3.00	1/3.00	9.00	172	0.6766	15.20
RABBIT	50	6/3.35	1/3.35	10.05	214	0.5426	18.40
HORSE	70	12/2.79	7/2.79	13.95	538	0.3936	61.20
RACON	80	6/4.09	1/4.09	12.30	320	0.3623	27.20
DOG	100	6/4.72	7/1.57	14.15	394	0.2733	32.70
WOLF	150	30/2.59	7/2.59	18.13	726	0.1828	69.20
DINGO	150	18/3.35	1/3.35	16.75	506	0.1815	35.70
CARACAL	175	18/3.61	1/3.61	18.05	587	0.1563	41.00
LYNX	185	30/2.79	7/2.79	19.53	842	0.1576	79.80
PANTHER	200	30/3.00	7/3.00	21.00	974	0.1363	92.20
JAGUAR	200	18/3.86	1/3.86	19.30	671	0.1367	46.06
GOAT	300	30/3.71	7/3.71	25.97	1489	0.08910	135.70
ZEBRA	400	54/3.18	7/3.18	28.62	1621	0.0674	131.90