



• Application

Aerial aluminum conductors steel reinforced (ACSR) are commonly specified for transmission and distribution lines, particularly in scenarios where extensive distances need to be covered, and where positioning the cables out of reach is essential. Factors such as distance, environmental conditions, and location play pivotal roles in determining the appropriate cable selection.

• Advantages

ACSR transmission conductors, fortified with steel reinforcement, offer enhanced strength, particularly beneficial for spanning longer distances, such as across rivers. The inclusion of a king wire further bolsters ACSR conductors by ensuring a secure fit of the surrounding wires onto the central wire. ACSR conductors are well-suited for environments prone to corrosion, such as industrial zones with high pollution levels or coastal areas exposed to salt spray.

• Construction

ACSR conductors comprise one or more strands of aluminum wire, concentrically stranded with successive layers having an alternating direction of lay, with the outermost layer being right-handed.

• Specifications

-BS 215 Part 2

• Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction. CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

• Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rheinland and CCS.



• National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China. We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

Code Name	Section Area			Total	Stranding Wires		Nominal Overall Diameter	Nominal Weight			Nominal Breaking Load	Max.D.C. Resistance at 20°C
	Nominal Alum.	Calculated Alum.	Calculated Steel		Alum.	Steel		Alum.	Steel	Total		
-	mm ²	mm ²	mm ²	mm ²	No./mm	No./mm	mm	kg/km	kg/km	kg/km	kN	Ω/km
Mole	10	10.62	1.77	12.39	6/1.50	1/1.50	4.50	29	14	43	4.14	2.0760
Squirrel	20	20.94	3.49	24.43	6/2.11	6/2.11	6.33	58	27	85	7.88	1.368
Gopher	25	26.25	4.37	30.62	6/2.36	1/2.36	7.08	72	34	106	9.61	1.093
Weasel	30	31.61	5.27	36.88	6/2.59	1/2.59	7.77	87	41	128	11.45	0.9077
Fox	35	36.66	6.11	42.77	6/2.79	1/2.79	8.37	101	48	149	13.20	0.7822
Ferret	40	42.41	7.07	49.48	6/3.00	1/3.00	9.00	117	55	172	15.20	0.67660
Rabbit	50	52.88	8.28	61.70	6/3.35	1/3.35	10.05	145	69	214	18.35	0.5426
Mink	60	63.18	10.53	73.71	6/3.66	1/3.66	10.98	173	82	255	21.80	0.4545
Skunk	60	63.27	36.93	100.30	12/2.59	7/2.59	12.95	175	290	4645	53.00	0.4567
Beaver	70	74.82	12.47	87.29	6/3.99	1/3.99	11.97	205	97	302	25.70	0.3825
Horse	70	73.37	42.80	116.17	12/2.79	7/2.79	13.95	203	335	538	61.20	0.39360
Raccoon	75	79.20	13.20	92.40	6/4.10	1/4.10	12.30	217	103	320	27.20	0.36220
Otter	80	83.88	13.98	97.86	6/4.22	1/4.22	12.66	230	109	339	28.80	0.3419
Cat	90	95.40	15.90	111.30	6/4.50	1/4.50	13.50	262	124	386	32.70	0.3007
Hare	100	105.00	17.50	122.50	6/4.72	1/4.72	14.16	288	137	425	36.00	0.2733
Dog	100	105.00	13.50	118.50	6/4.72	7/1.57	14.15	288	106	394	32.70	0.2733
Hyena	100	105.80	20.44	126.20	7/4.39	7/1.93	14.57	290	160	450	40.90	0.2712
Leopard	125	131.30	16.80	148.10	6/5.28	7/1.75	15.81	360	132	492	40.70	0.2184
Coyote	125	132.10	20.10	152.20	26/2.54	7/1.91	15.89	365	157	522	46.40	0.2187
Cougar	125	130.30	7.25	137.50	18/3.05	1/3.05	15.25	362	57	419	29.80	0.2189
Tiger	125	131.10	30.60	161.70	30/2.36	7/2.36	16.52	362	240	602	58.00	0.2202
Wolf	150	158.00	36.90	194.90	30/2.59	7/2.59	18.13	437	289	726	69.20	0.1828
Dingo	150	158.70	8.80	167.50	18/3.35	1/3.35	16.75	437	69	506	35.70	0.1815
Lynx	175	183.40	42.80	226.20	30/2.79	7/2.79	19.53	507	335	842	79.80	0.1576
Caracal	175	184.20	10.30	194.50	18/3.61	1/3.61	18.05	507	80	587	41.10	0.1563
Panther	200	212.00	49.50	261.50	30/3.00	7/3.00	21.00	586	388	974	92.25	0.1563
Lion	255	238.50	55.60	294.20	30/3.18	7/3.18	22.26	659	436	1095	109.60	0.1212
Bear	250	264.00	61.60	325.60	30/3.35	7/3.35	23.45	730	483	1213	111.10	0.1093
Goat	300	324.30	75.70	400.00	30/3.71	7/3.71	25.97	896	593	1489	135.70	0.0891
Sheep	350	374.10	87.30	461.40	30/3.99	7/3.99	27.93	1034	684	1718	155.90	0.07704
Antelope	350	373.10	48.40	421.50	54/2.97	7/2.97	26.73	1032	379	1411	118.20	0.07727
Bison	350	381.80	49.50	431.30	54/3.00	7/3.00	27.00	1056	388	1444	120.90	0.07573
Jaguar	200	210.60	11.70	222.30	18/3.86	1/3.86	19.3	580	91	671	46.55	0.1367
Deer	40	429.30	100.20	529.50	30/4.27	7/4.27	29.89	1186	785	1971	178.50	0.06726
Zebra	400	428.90	55.60	484.50	24/3.18	7/3.18	28.62	1186	435	1621	131.90	0.0674
Elk	450	477.00	111.30	588.30	30/4.50	7/4.50	31.5	1318	872	2190	198.20	0.06056
Camel	450	475.20	61.60	536.80	54/3.35	7/3.35	30.15	1314	483	1797	145.70	0.6073
Moose	500	528.70	68.50	597.20	54/3.53	7/3.53	31.77	1462	537	1999	161.10	0.05470