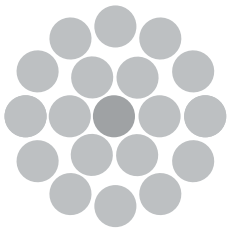
Aluminum Conductors Steel Reinforced (ACSR)

For transmission and distribution in electrical networks over long spans

Standard : ASTM B 232
Conductor : A center galvanized steel wire(s) and Hard drawn stranded aluminum wires*
Packing : Non returnable wooden drums as per customer requirements



TECHNICAL INFORMATION

Code Name	Nominal Cross Section	Number & nominal wire diameter N*d (mm)		Approx. Overall diameter	Approx. Conductor weight Kg/km		Max DC Resistance at 20°C	Calculated Breaking Load
Name	mm^2	Al	Steel	mm	Al	Steel	ohm/km	KN
GROUSE	40.5	8*2.54	1*4.24	9.3	110	110	0.7112	23.1
PETREL	51.6	12*2.34	7*2.34	11.7	140	235	0.5614	46.2
MINORCA	56.1	12*2.44	7*2.44	12.2	155	255	0.5163	50.2
LEGHORN	68.2	12*2.69	7*2.69	13.45	190	310	0.4248	60.5
GUINEA	80.4	12*2.92	7*2.92	14.6	225	370	0.3605	71.1
DOTTEREL	89.4	12*3.08	7*3.08	15.4	250	410	0.3240	76.9
DORKING	96.5	12*3.20	7*3.20	16	265	445	0.3002	83.1
BRAHMA	102.8	16*2.86	19*2.48	18.1	285	720	0.2819	126.3
COCHIN	107.1	12*3.37	7*3.37	16.9	300	490	0.2707	92.0
TURKEY	13.3	6*1.70	1*1.70	5.0	35	15	2.157	5.3
SWAN	21.2	6*2.12	1*2.12	6.36	60	25	1.3545	8.3
SWANATE	21.1	7*1.96	1*2.61	6.5	60	45	1.3583	10.5
SPARROW	33.6	6*2.67	1*2.67	8.0	90	45	0.8540	12.7
SPARATE	33.5	7*2.47	1*3.30	8.3	90	70	0.8553	16.1
ROBIN	42.4	6*3.00	1*3.00	9.0	115	55	0.6764	15.8
RAVEN	53.5	6*3.37	1*3.37	10.1	150	70	0.5360	19.4
QUAIL	67.4	6*3.78	1*3.78	11.4	190	90	0.4261	23.6
PIGEON	85.1	6*4.25	1*4.25	12.7	235	110	0.337	29.4
PENGUIN	107.2	6*4.77	1*4.77	14.3	295	140	0.2676	37.1
WAXWING	135.0	18*3.09	1*3.09	15.5	375	60	0.2136	30.3
PARTIRIDGE	134.9	26*2.57	7*2.0	16.3	374	175	0.2148	50.2
OSTRICH	152.2	26*2.73	7*2.12	17.3	420	195	0.1904	56.6
MERLIN	170.2	18*3.47	1*3.47	17.4	470	75	0.1694	38.2
LINNET	170.6	26*2.89	7*2.25	18.3	475	215	0.1699	62.8
ORIOLE	170.5	30*2.69	7*2.69	18.8	475	315	0.1703	77.4
CHICKADDEE	200.9	18*3.77	1*3.77	18.9	545	85	0.1435	44.3
BRANT	201.6	24*3.27	7*2.18	19.6	560	205	0.1437	64.7
IBIS	201.3	26*3.14	7*2.44	19.8	560	255	0.1439	72.1
LARK	200.9	30*2.92	7*2.92	20.5	560	370	0.1446	90.3
PELICAN	241.70	18*4.14	1*4.14	20.7	657	105	0.1190	52.3
FLICKLER	241.6	24*3.58	7*2.39	21.5	670	245	0.1199	76.8
HAWK	241.7	26*3.44	7*2.67	21.8	670	310	0.1199	86.4
HEN	241.3	30*3.20	7*3.20	22.4	670	440	0.1204	105.2
OSPREY	282.5	18*4.47	1*4.47	22.3	780	125	0.1021	61.0
PARAKEET	282.3	24*3.87	7*2.58	23.2	785	285	0.1026	88.3
DOVE	282.6	26*3.72	7*2.89	23.5	780	360	0.1025	101.1

* Grease may be applied for anti-corrosive purposes if required.

Aluminum Conductors Steel Reinforced (ACSR)

TECHNICAL INFORMATION

Code Name	Nominal Cross Section	Number & nominal wire diameter N*d (mm)		Approx. Overall diameter	Approx. Conductor weight Kg/km		Max DC Resistance at 20°C	Calculated Breaking Load
Name	mm^2	Al	Steel	mm	Al	Steel	ohm/km	KN
EAGLE	282.6	30*3.45	7*3.45	24.15	775	511	0.1030	1229
PEACOCK	306.1	24*4.03	7*2.69	24.2	850	310	0.0946	95.9
SWAB	305.8	26*3.87	7*3.01	24.5	850	390	0.0947	108.1
WOODDUCK	307.1	30*3.61	7*3.61	25.3	850	660	0.0946	129.0
TEAL	307.1	30*3.61	19*2.16	25.21	850	550	0.0946	133.4
SWIFT	323.0	36*3.38	1*3.38	23.7	890	70	0.0893	60.7
KINGBIRD	323.0	18*4.78	1*4.78	23.9	890	140	0.0893	69.7
ROOK	323.1	24*4.14	7*2.76	24.8	895	325	0.0897	101.0
GROSSBEAK	322.7	26*3.97	7*3.09	25.12	895	410	0.0900	111.9
SCOTER	322.7	30*3.70	7*3.70	25.9	895	600	0.0900	135.5
EGRET	322.6	30*3.70	19*2.22	25.9	895	575	0.0900	140.6
FLAMINGO	337.3	24*4.23	7*2.82	25.4	935	345	0.859	105.5
GANNET	338.3	26*4.07	7*3.16	25.8	935	430	0.0857	117.3
STILT	363.3	24*4.39	7*2.92	26.3	1005	370	0.0798	113.3
STARLING	361.9	26*4.21	7*3.28	26.68	1005	460	0.0800	126.0
REDWING	362.1	30*3.92	19*2.35	27.5	1005	645	0.0802	153.7
CUCKOO	402.8	24*4.62	7*3.08	27.72	1115	440	0.0720	123.8
DRAKE	402.6	26*4.44	7*3.45	28.11	1115	510	0.0720	139.7
TERN	402.8	45*3.38	7*2.25	27.03	1120	220	0.0718	97.5
COOT	401.9	36*3.77	1*3.77	26.4	1110	90	0.0717	74.7
CONDOR	402.8	54*3.08	7*3.08	27.72	1116	410	0.0720	124.3
MALLARD	403.8	30*4.14	19*2.48	29.0	1120	720	0.0719	171.2
RUDDY	455.5	45*3.59	7*2.40	28.7	1265	245	0.0636	109.4
CANARY	456.4	54*3.28	7*3.28	29.52	1265	460	0.0635	141.0
RAIL	483.4	45*3.70	7*2.47	29.61	1340	260	0.0599	116.1
CATIBIRD	484.6	36*4.14	1*4.14	29.0	1335	105	0.0595	87.9
CARDINAL	484.5	54*3.38	7*3.38	30.4	1340	490	0.0598	149.7
ORTOLAN	523.9	45*3.85	7*2.57	30.8	1450	285	0.0553	123.3
TANAGER	522.8	36*4.30	1*4.30	30.1	1445	115	0.0551	94.8
CURLEW	522.5	54*3.51	7*3.51	31.59	1440	530	0.0554	161.5
BLUEJAY	564.0	45*4.00	7*2.66	32.0	1565	305	0.0512	132.7
FINCH	565.0	54*3.65	19*2.19	32.8	1570	560	0.0515	174.6
BUNTING	605.8	45*4.14	7*2.76	33.1	1675	325	0.0478	142.4
GRAKCLE	602.8	54*3.77	19*2.27	34.0	1680	600	0.0483	186.9
BITTERN	644.4	45*4.27	7*2.85	43.2	1785	350	0.0450	151.6
PHEASANT	645.1	54*3.90	19*2.34	35.1	1785	640	0.0451	194.1
SKYLARK	643.3	36*4.77	1*4.77	33.4	1775	140	0.0448	116.7
DIPPER	684.2	45*4.40	7*2.93	35.2	1895	370	0.0423	160.7
MARTIN	685.4	54*4.02	19*2.41	36.2	1905	680	0.0425	206.1
BOBOLINK	725.2	45*4.53	7*3.02	36.3	2010	390	0.0399	170.5
PLOVER	726.9	54*4.14	19*2.48	37.2	2020	720	0.0401	218.4
NUTHATCH	746.2	45*4.65	7*3.10	37.2	2120	415	0.0379	177.6
PARROT	766.1	54*4.25	19*2.55	38.2	2130	760	0.0380	230.5
LAPWING	807.5	45*4.78	7*3.18	38.2	2230	435	0.0359	187.4
FALCON	806.2	54*4.36	19*2.62	39.2	2240	800	0.0361	243.0