

PRODUCT CATALOG – ACSR/SD (Aluminum Conductor, Steel Reinforced, Self-Damping)

ACSR/SD - PHYSICAL CHARACTERISTICS									
Code Word	Type	Cross Section			Stranding			Diameter, In	
		Aluminum		Total In ²	Aluminum		Steel Wires Number & Diameter, In.	Complete Cond.	Steel Core
		Cmils	In ²		Round Wires Number & Diameter In.	Trapezoidal Wires, Number			
Titmouse/SD	5	266800	0.2095	0.2203		10/6	1 x 0.1171	0.6016	0.1171
Spoonbill/SD	10	266800	0.2095	0.2301		12/7	1 x 0.1619	0.6224	0.1619
Paaridge/SD	16	266800	0.2095	0.2430		12/10	7 x 0.0788	0.6580	0.2364
Cowbird/SD	5	336400	0.2642	0.2778		10/6	1 x 0.1315	0.6726	0.1315
Woodcock/SD	10	336400	0.2642	0.2901		12/8	7 x 0.0687	0.6985	0.2601
Linne//SD	16	336400	0.2642	0.3072		12/10	7 x 0.0884	0.7260	0.2652
Erne/SD	5	397500	0.3122	0.3283		10/6	1 x 0.1430	0.7269	0.1430
Stork/SD	10	397500	0.3122	0.3429		12/7	7 x 0.0747	0.7620	0.2241
Ibis/SD	16	397500	0.3122	0.3630		13/10	7 x 0.0961	0.7824	0.2883
	5	477000	0.3746	0.3939		10/6	1 x 0.1566	0.7869	0.1566
Toucan/SD	10	477000	0.3746	0.4114		12/7	7 x 0.0818	0.8241	0.2454
Flicker/SD	13	477000	0.3746	0.4232		13/8	7 x 0.0940	0.8426	0.2820
Hawk/SD	16	477000	0.3746	0.4356		13/9	7 x 0.1053	0.8596	0.3159
	5	556500	0.4371	0.4596		10/6	1 x 0.1692	0.8424	0.1692
Sapsucker/SD	10	556500	0.4371	0.4801		12/7	7 x 0.0884	0.8816	0.2652
Parakeet/SD	13	556500	0.4371	0.4937		13/8	7 x 0.1015	0.9009	0.3045
Dove/SD	16	556500	0.4371	0.5083		13/9	7 x 0.1138	0.9194	0.3414
	5	636000	0.4995	0.5252		10/6	1 x 0.1809	0.8943	0.1809
	7	636000	0.4995	0.5341		11/7	7 x 0.0793	0.9162	0.2379
Goldfinch/SD	10	636000	0.4995	0.5486		12/7	7 x 0.0945	0.9353	0.2835
Rook/SD	13	636000	0.4995	0.5642		12/8	7 x 0.1085	0.9546	0.3255
Grossbeak/SD	16	636000	0.4995	0.5808		13/9	7 x 0.1216	0.9750	0.3648
Macaw/SD	5	795000	0.6244	0.6565		10/6	7 x 0.0764	0.9880	0.2292
Tern/SD	7	795000	0.6244	0.6676		11/7	7 x 0.0886	1.0130	0.2658
	10	795000	0.6244	0.6857		12/7	7 x 0.1056	1.0337	0.3168

ACSR/SD - PHYSICAL CHARACTERISTICS								
Code Word	Type	Cross Section		Stranding			Diameter, mm.	
		Aluminum Mm ²	Total Mm ²	Aluminum Round Wires Number & Diameter	Trapezoidal Wires Number	Steel Wires Number & Diameter, mm	Complete Cond.	Steel Core
Titmouse/SD	5	135.2	142.1		10/6	1 x 2.97	15.28	2.97
Spoonbill/SD	10	135.2	148.5		12/7	1 x 4.11	15.81	4.11
Paqridge/SD	16	135.2	157.2		12/10	7 x 2.00	16.71	6.00
Cowbird/SD	5	170.5	179.3		10/6	1 x 3.34	17.08	3.34
Woodcock/SD	10	170.5	187.2		12/8	7 x 1.74	17.74	5.22
Linne/SD	16	170.5	198.1		12/10	7 x 2.24	18.44	6.72
Erne/SD	5	201.4	211.7		10/6	1 x 3.63	18.46	3.63
Stork/SD	10	201.4	221.2		12/7	7 x 1.90	18.44	5.70
Ibis/SD	16	201.4	234.1		13/10	7 x 2.44	19.87	7.32
	5	241.7	254.0		10/6	1 x 3.95	19.99	3.95
Toucan/SD	10	241.7	2655		12/7	7 x 2.08	20.93	6.24
Flicker/SD	13	241.7	273.1		13/8	7 x 2.39	21.40	7.17
Hawk/SD	16	241.7	281.2		13/9	7 x 2.68	21.83	8.04
	5	282.0	296.5		10/6	1 x 4.30	21.40	4.30
Sapsucker/SD	10	282.0	309.6		12/7	7 x 2.24	22.39	6.72
Parakee/SD	13	282.0	318.6		13/8	7 x 2.58	22.88	7.74
Dove/SD	16	282.0	327.9		13/9	7 x 2.89	23.35	8.67
	5	322.3	338.8		10/6	1 x 4.59	22.71	4.59
	7	322.3	344.5		11/7	7 x 2,01	23.27	6.03
Goldfinch/SD	10	322.3	354.0		12/7	7 x 2.40	23.76	7.20
Rook/SD	13	322.3	364.2		12/8	7 x 2.76	24.25	8.28
Grossbeak/SD	16	322.3	374.8		13/9	7 x 3.09	24.77	9.27
Macaw/SD	5	402.8	423.5		10/6	7 x 1.94	25.35	5.82
Tern/SD	7	402.8	430.6		11/7	7 x 2.25	25.73	6.75
	10	402.8	442.3		12/7	7 x 2.68	26.26	8.04

ACSR/SD - PHYSICAL CHARACTERISTICS									
Code Word	Nominal Mass Pounds								Rated Strength Pounds
	Total	Per 1,000 Feet		Total	Per mile		Percent of Total Mass		
		Al	Steel		Al	Steel	Al	steel	
Titmouse/SD	287.3	251.0	36.3	1517	1325	192	87.3	12.7	6920
Spoonbill/SD	320.5	251.1	69.4	1692	1326	366	78.3	21.7	8440
Patidge/SD	367.0	251.4	115.6	1938	1327	611	65.5	31.5	11300
Cowbird/SD	361.8	316.0	45.8	1910	1668	242	87.3	12.7	8540
Woodcock/SD	404.6	316.7	87.9	2136	1672	464	78.3	21.7	11000
Linne/SD	462.4	316.9	145.5	2441	1673	768	68.5	31.5	14200
Erne/SD	427.6	373.4	54.2	2258	1972	286	87.3	12.7	9740
Stork/SD	477.9	374.0	103.9	2523	1975	548	78.3	21.7	12900
Ibis/SD	546.2	374.3	171.9	2884	1976	908	68.5	31.5	16500
	513.0	448.0	65.0	2709	2366	343	87.3	12.7	11700
Toucan/SD	573.3	448.7	124.6	3027	2369	658	78.3	21.7	15300
Flicker/SD	613.6	449.1	164.5	3240	2371	869	73.2	26.8	17200
Hawk/SD	655.9	449.5	206.4	3463	2373	1090	68.5	31.5	19400
	599.0	523.0	76.0	3163	2761	402	87.3	12.7	13600
Sapsucker/SD	669.0	524.0	145.0	3532	2767	765	78.3	21.7	17800
Parakee/SD	716.0	524.0	192.0	3781	2767	1014	73.2	26.8	20000
Dove/SD	765.0	524.0	241.0	4039	2767	1272	68.5	31.5	22600
	684.0	597.0	87.0	3612	3152	460	87.3	12.7	15600
	715.0	598.0	117.0	3775	3158	617	83.7	16.3	17700
Goldfinch/SD	764.0	598.0	166.0	4034	3158	876	78.3	21.7	20100
Rook/SD	818.0	599.0	219.0	4319	3163	1156	73.2	26.8	22900
Grossbeak/SD	874.0	599.0	275.0	4615	3163	1452	68.5	31.5	25400
Macaw/SD	856.0	747.0	109.0	4520	3944	576	87.3	12.7	19800
Tern/SD	893.0	747.0	146.0	4715	3944	771	83.7	16.3	21900
	956.0	748.0	208.0	5048	3950	1098	78.3	21.7	25100

ACSR/SD - PHYSICAL CHARACTERISTICS							
Code Word	Nominal Mass Kilograms Per 1,000 Meters			Percent of Total Mass		Rated Strength kN	
	Total	Al	Steel	Al	Steel		
Titmouse/SD	427.6	373.5	54.1	87.3	12.7	30.54	
Spoonbill/SD	477.3	373.7	103.6	78.3	21.7	37.38	
Partridge/SD	545.9	374.1	171.8	68.5	31.5	50.08	
Cowbird/SD	538.7	470.3	68.4	87.3	12.7	37.97	
Woodcock/SD	601.3	471.3	130.0	78.3	21.7	48.47	
Linne/SD	687.5	471.6	215.5	68.5	31.5	62.73	
Erne/SD	636.5	555.7	80.8	87.3	12.7	43.19	
Stork/SD	711.6	556.6	155.0	78.3	21.7	57.49	
Ibis/SD	812.7	557.0	255.7	68.5	31.5	73.33	
	962.4	666.7	95.7	87.3	12.7	51.65	
Toucan/SD	853.5	667.7	185.8	78.3	21.7	67.80	
Flicker/SD	914.4	668.3	245.5	73.2	26.8	76.48	
Hawk/SD	977.3	668.9	308.4	68.5	31.5	86.84	
	819.4	778.0	113.4	87.3	12.7	60.49	
Sapsucker/SD	995.8	780.3	215.5	78.3	21.7	78.91	
Parakee/SD	1066.0	780.3	286.1	73.2	26.8	89.17	
Dove/SD	1139.0	780.3	358.7	68.5	31.5	100.6	
	1017.0	888.0	129.2	87.3	12.7	69.05	
	1064.0	890.0	173.5	83.7	16.3	7844	
Godinch/SD	1137.0	890.0	247.4	78.3	21.7	89.47	
Rook/SD	1218.0	891.0	327.4	73.2	26.8	102.0	
Grossbeak/SD	1301.0	891.0	410.0	68.5	31.5	113.0	
Macaw/SD	1274.0	1112.0	161.6	87.3	12.7	87.26	
Tern/SD	1329.0	1112.0	217.4	83.7	16.3	96.90	
	1421.0	1113.0	308.4	78.3	21.7	111.7	

ACSR/SD - PHYSICAL CHARACTERISTICS									
Code Word	Type	Cross Section			Stranding			Diameter, in.	
		Cmils	Aluminum In ²	Total in ²	Aluminum Round Wires Number & Diameter, In	Trapezoidal Wires Number	Steel Wires, Number & Diameter, In	Complete Cond.	Steel Core
Condor/SD	13	795000	0.6244	0.7053		12/8	7 X 0.1213	1.0549	0.3639
Drake/SD	16	795000	0.6244	0.7261		13/9	7 x 0.1360	1.0771	0.4080
Phoenix/SD	5	954000	0.7493	0.7878		13/7	7 x 0.0837	1.0886	0.2511
Rail/SD	7	954000	0.7493	0.8011		13/8	7 x 0.0971	1.1033	0.2913
Cardinal/M	13	954000	0.7493	0.8464		13/8	7 x 0.1329	1.1468	0.3987
Snowbird/SD	5	1033500	0.8117	0.8534		13/7	7 x 0.0871	1.1294	0.2613
Ortolan/SD	7	1033500	0.8117	0.8678		13/8	7 x 0.1010	1.1445	0.3030
Curlew/SD	13	1033500	0.8117	0.9169		14/9	7 x 0.1383	1.1910	0.4149
Avoce/SD	5	1113000	0.8742	0.9191	21 x 0. 1532	11/7	7 x 0.0904	1.2256	0.2712
Bluejay/SD	7	1113000	0.8742	0.9347	-	14/8	7 x 0.1049	1.1853	0.3147
Finch/SD	13	1113000	0.8742	0.9851		15/9	19 x 0.0862	1.2330	0.4310
Oxbird/SD	5	1192500	0.9366	0.9848	21 x 0. 1582	11/7	7 x 0.0936	1.2657	0.2808
Bunting/M	7	1192500	0.9366	1.0013	21 x 0. 1604	12/8	7 x 0.1085	1.2834	0.3255
Grackle/SD	13	1192500	0.9366	1.0553	-	16/10	19 x 0.0892	1.2740	0.4460
Scissortail/SD	5	1272000	0.9990	1.0504	21 x 0. 1631	11/7	7 x 0.0967	1.3045	0.2901
BiUern/SD	7	1272000	0.9990	1.0681	21 x 0. 1653	12/8	7 x 0.1121	1.3228	0.3363
Pheasant/SD	13	1272000	0.9990	1.1256	-	16/10	19 x 0.0921	1.3124	0.4605
Bobolink/SD	7	1431000	1.1239	1.2016	21 x 0. 1747	12/8	7 x 0.1189	1.3977	0.3567
Plover/SD	13	1431000	1.1239	1.2663	24 x 0.1609	14/10	19 x 0.0977	1.4479	0.4885
Lapwing/SD	7	1590000	1.2488	1.3351	21 x 0. 1836	12/8	7 x 0.1253	1.4687	0.3759
Falcon/SD	13	1590000	1.2488	1.4071	24 x 0.1690	14/10	19 x 0.1030	1.5211	0.5150
Chukar/SD	8	1780000	1.3890	1.5120	21 x 0. 1957	13/9	19 x 0.0874	1.5652	0.4370
Bluebird/SD	8	2156000	1.6933	1,8311	21 x 0.2145	15/10	19 x 0.0961	1.7160	0.4805

ACSR/SD - PHYSICAL CHARACTERISTICS								
Code Word	Type	Cross Section		Stranding			Diameter, mm. Complete Cond.	Steel Core
		Aluminum Mm ²	Total Mm ²	Aluminum		Steel Wires, Number & Diameter, mm		
				Round Wires Number & Diameter, mm	Trapezoidal Wires Number			
Condor/SD	13	402.8	455.0		12/8	7 X 3.08	26.79	9.24
Drake/SD	16	402.8	468.2		13/9	7 x 3.45	27.36	10.35
Phoenix/SD	5	483.4	508.3		13/7	7 x 2.13	27.65	6.39
Rail/SD	7	483.4	516.9		13/8	7 x 2.47	28.02	7.41
Cardinal/M	13	483.4	546.2		13/8	7 x 3.38	29.13	10.14
Snowbird/SD	5	523.7	550.6		13/7	7 x 2.21	28.69	6.63
Ortolan/SD	7	523.7	560.0		13/8	7 x 2.57	29.07	7.71
Curlew/SD	13	523.7	591.4		14/9	7 x 3.51	30.25	10.53
AvoceUSD	5	564.0	593.1	21 x 3.89	11/7	7 x 2.30	31.13	6.90
Bluejay/SD	7	564.0	602.9	-	14/8	7 x 2.66	30.13	7.98
Finch/SD	13	564.0	635.6	-	15/9	19 x 2.19	31.31	10.95
Oxbird/SD	5	604.3	635.2	21 x 4.02	11/7	7 x 2.37	32.15	7.11
Bunting/M	7	604.3	646.2	21 x 4.07	12/8	7 x 2.76	32.60	8.28
Grackle/SD	13	604.3	681.2		16/10	19 x 2.27	32.36	11.35
Scissortail/M	5	644.5	677.8	21 x 4.14	11/7	7 x 2.46	33.13	7.38
Bittern/SD	7	644.5	689.2	21 z 4.20	12/8	7 x 2.85	33.60	8.55
Pheasant/SD	13	644.5	726.2	-	16/10	19 x 2.34	33.34	11.70
Bobolink./SD	7	725.1	775.2	21 x 4.43	12/8	7 x 3.02	35.50	9.06
Plover/SD	13	725.1	816.9	24 x 4.09	14/10	19 x 2.48	36.78	12.40
Lapwing/SD	7	805.7	861.3	21 x 4.66	12/8	7 x 3.18	37.30	9.54
Falcon/SD	13	805.7	908.1	24 x 4.29	14/10	19 x 2.62	38.64	13.10
Chukar/SD	8	901.9	975.4	21 x 4.97	13/9	19 x 2.22	39.76	11.10
Bluebird/SD	8	1092.0	1181.0	21 x 5.45	15/10	19 x 2.44	12.21	12.20

ACSR/SD - PHYSICAL CHARACTERISTICS									
Code Word	Total	Nominal Mass, Pounds			Per mile		Percent of Total Mass		Rated Strength Pounds
		Per 1,000 Feet	Steel		Al	Steel	Al	Steel	
Condor/SD	1022	748	274	5396	3950	1446	73.2	26.8	28200
Drake/SD	1093	749	344	5771	3955	1816	68.5	31.5	31800
Phoenix/SD	1027	896	131	5423	4731	692	87.3	12.7	23800
Rail/SD	1072	896	176	5660	4731	929	83.7	16.3	26100
Cardinal/W	1227	898	329	6479	4742	1737	73.2	26.8	33500
Snowbird/SD	1112	971	141	5871	5127	744	87.3	12.7	25700
Ortolan/SD	1161	971	190	6130	5127	1003	83.7	16.3	27700
Curlew/SD	1328	972	356	7012	5132	1880	73.2	26.8	36300
AvoceUSD	1200	1048	152	6336	5533	803	87.3	12.7	27500
Bluejay/SD	1251	1046	205	6605	5523	1082	83.7	16.3	30300
Finch/SD	1424	1048	376	7519	5533	1986	73.6	26.4	39100
Oxbird/SD	1286	1123	163	6970	5929	861	87.3	12.7	29500
Buntin/SD	1343	1124	219	7091	5935	1156	83.7	16.3	32400
Grackle/SD	1525	1122	403	8052	5924	2128	73.6	26.4	41900
Scissortail/SD	1372	1198	174	7244	6325	919	87.3	12.7	31400
Biftern/SD	1433	1199	234	7566	6331	1235	83.7	16.3	34600
Pheasant/SD	1626	1197	429	8585	6320	2265	73.6	26.4	44100
Bobolink/SD	1611	1348	263	8506	7117	1389	83.7	16.3	38900
Plover/SD	1835	1352	483	9689	7139	2250	73.7	26.3	49600
Lapwin/SD	1790	1498	292	9451	7909	1542	83.7	16.3	42600
Falcon/SD	2039	1502	537	10766	7931	2835	73.7	26.3	55100
Chukar/SD	2067	1680	387	10914	8871	2043	81.3	18.7	51100
Bluebird/SD	2503	2035	468	13216	10745	2471	81.3	18.7	60700

ACSR/SD - PHYSICAL CHARACTERISTICS								
Code Word	Nominal Mass, Kilograms Per 1,000 Meters			Percent of Total Mass		Rated Strength kN		
	Total	Al	Steel	Al	Steel			
Condor/SD	1521	1113	408		73.2	26.8	125.3	
Drake/SD	1626	1115	511		68.5	31.5	141.0	
Phoenix/SD	1528	1333	195		87.3	12.7	104.8	
Rail/SD	1595	1333	262		83.7	16.3	115.4	
Cardinal/SD	1827	1336	491		73.2	26.8	148.2	
Snowbird/SD	1655	1445	210		87.3	12.7	113.4	
Orlolan/SD	1729	1445	284		83.7	16.3	124.2	
Curlew/SD	1975	1446	529		73.2	26.8	160.2	
AvoceVSD	1788	1560	228		87.3	12.7	122.3	
Bluejay/SD	1861	1557	304		83.7	16.3	133.5	
Finch/SD	2120	1560	560		73.6	26.4	172.9	
Oxbird/SD	1915	1671	242		87.3	12.7	130.7	
Bunting/SD	2001	1673	328		83.7	16.3	144.2	
Grackle/SD	2272	1670	602		73.6	26.4	185.5	
Scissotlail/SD	2043	1783	260		87.3	12.7	139.8	
BiUern/SD	2134	1784	350		83.7	16.3	153.8	
Pheasan/SD	2421	1781	640		73.6	26.4	195.2	
Bobolink./SD	2398	2006	392		83.7	16.3	172.8	
Plover/SD	2730	2012	718		73.7	26.3	220.5	
Lapwing/SD	2664	2229	435		83.7	16.3	190.5	
Falcon/SD	3037	2235	802		73.7	26.3	245.5	
Chukar/SD	3076	2500	576		81.3	18.7	226.5	
Bluebird/SD	3723	3028	695		81.3	187	268.4	