

PRODUCT CATALOG – ACSR/TW

TABLE I-ACSR/TW- PHYSICAL CHARACTERISTICS								
Code Word	Type	Aluminum Cmils	Cross Section Inches	Total Inches	Stranding		Diameter Inches Complete Cond	Steel Core
					Aluminum	Steel Wires		
					Trapezoidal Wires Number	Number Diameter Inches		
Partridge/TW	16	266800	0.2095	0.2436	11/7	7 x 0.0788	0.588	0.5516
Merlin/TW	5	336400	0.2644	0.2790	9/5	1 x 0.1367	0.614	0.1367
Linnet/TW	16	336400	0.2642	0.3072	12/8	7 x 0.0884	0.658	0.7956
Oriole/TW	23	336400	0.2643	0.3260	12/9	7 x 0.1059	0.682	0.3177
Bran/TW	13	397500	0.3123	0.3528	13/8	7 x 0.0858	0.702	0.2574
Lbis/TW	16	397500	0.3123	0.3631	12/8	7 x 0.0961	0.714	0.2883
Lark7/TW	23	397500	0.3123	0.3851	13/9	7 x 0.1151	0.740	0.3453
Pelican/TW	5	477000	0.3747	0.3955	9/5	1 x 0.1628	0.736	0.1628
Flicker/TW	13	477000	0.3748	0.4234	13/8	7 x 0.0940	0.767	0.2820
Hawk/TW	16	477000	0.3748	0.4358	12/8	7 x 0.1053	0.781	0.3159
Hen/TW	23	477000	0.3746	0.4620	13/9	7 x 0.1261	0.808	0.3783
Parakee/TW	13	556500	0.4369	0.4935	13/8	7 x 0.1015	0.837	0.3045
Dove/TW	16	556500	0.4370	0.5082	12/8	7 x 0.1138	0.851	0.3414
Eagle/TW	23	556500	0.4370	0.5390	13/9	7 x 0.1362	0.870	0.4086
Peacock/M	13	605000	0.4752	0.5369	13/8	7 x 0.1059	0.871	0.3177
Squab/TW	16	605000	0.4751	0.5524	12/8	7 x 0.1186	0.885	0.3558
Teal/TW	23	605000	0.4750	0.5833	13/9	19 x 0.0852	0.917	0.4260
Rook/TW	13	636000	0.4995	0.5643	13/8	7 x 0.1085	0.892	0.3255
Grosbeak/TW	16	636000	0.4995	0.5808	12/8	7 x 0.1216	0.906	0.3648
Egret/TW	23	636000	0.4995	0.6135	13/9	19 x 0.0874	0.939	0.4370
Flamingo/TW	13	666600	0.5235	0.5914	13/8	7 x 0.1111	0.912	0.3333
Gannet/TW	16	666600	0.5235	0.6087	12/8	7 x 0.1245	0.926	0.3735
Starling/TW	16	715500	0.5618	0.6533	12/8	1 x 0.1290	0.958	0.3870
Redwing/TW	23	715500	0.5619	0.6898	13/9	19 x 0.0926	0.994	0.4630
Macaw/TW	5	795000	0.6244	0.6565	14/10/6	7 x 0.0764	0.961	0.2292
Tern/TW	7	795000	0.6243	0.6675	11/6	7 x 0.0886	0.957	0.2658
Puffin/TW	10	795000	0.6244	0.6857	12/7	7 x 0.1056	0.975	0.3168
Cuckoo/TW	13	795000	0.6244	0.7053	12/8	7 x 0.1213	0.992	0.3639
Drake/TW	16	795000	0.6246	0.7263	13/9	7 x 0.1360	1.011	0.4080
Mallard/TW	23	795000	0.6245	0.7669	13/9	19 x 0.0977	1.045	0.4885
Ruddy/TW	7	900000	0.7070	0.7559	12/7	7 x 0.0943	1.018	0.2829
Canary/TW	13	900000	0.7067	0.7983	12/8	7 x 0.1291	1.053	0.3873
Phoenix/TW	5	954000	0.7492	0.7877	14/10/6	7 x 0.0837	1.047	0.2511
Rail/TW	7	954000	0.7493	0.8011	14/10/7	7 x 0.0971	1.058	0.2913
Cardinal/TW	13	954000	0.7491	0.8462	13/8	7 x 0.1329	1.084	0.3987
Snowbir/TW	5	1033500	0.8119	0.8536	14/10/16	7 x 0.0871	1.088	0.2613

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Code Word	Type	Aluminum Cmils	Cross Section Inches	Total Inches	Stranding		Diameter Inches Complete Cond	Steel Core
					Aluminum	Steel Wires		
					Trapezoidal Wires Number	Number Diameter Inches		
Otloian/TW	7	1033500	0.8117	0.8678	14/10/7	7 x 0.1010	1.101	0.3030
Curlew/TW	13	1033500	0.8116	0.9167	14/9	7 x 0.1383	1.129	0.4149
Avocet/TW	5	1113000	0.8740	0.9189	14/10/6	7 x 0.0904	1.127	0.2712
Bluejay/TW	7	1113000	0.8740	0.9345	15/11/7	7 x 0.1049	1.140	0.3147
Finch/TW	13	1113000	0.8742	0.9851	17/13/9	19 x 0.0862	1.182	0.4310
Oxbird/TW	5	1192500	0.9368	0.9850	14/10/6	7 x 0.0936	1.165	0.2808
Bunting/TW	7	1192500	0.9360	1.001	15/11/7	7 x 0.1085	1.178	0.3255
Grackle/TW	13	1192500	0.9360	1.055	17/13/9	19 x 0.0892	1.221	0.4460
Scissortail/TW	5	1272000	0.9986	1.050	14/10/6	7 x 0.0967	1.201	0.2901
Biftern/TW	7	1272000	0.9990	1.068	15/11/7	7 x 0.1121	1.215	0.3363
Pheasant/TW	13	1272000	0.9989	1.126	17/13/19	19 x 0.0921	1.259	0.4605
Ringdove/TW	5	1351500	1.061	1.116	14/10/6	7 x 0.0997	1.237	0.2991
Dipper/TW	7	1351500	1.061	1.134	15/11/7	7 x 0.1155	1.251	0.3465
Martin/TW	13	1351500	1.061	1.196	17/13/9	19 x 0.0949	1.297	0.4745
Popinjay/TW	5	1431000	1.124	1.182	14/10/6	7 x 0.1025	1.272	0,3075
Bobolink/TW	7	1431000	1.124	1.202	15/11/7	7 x 0.1189	1.286	0,3567
Plover/TW	13	1431000	1.124	1.267	17/13/9	19 x 0.0977	1.333	0.4885
Nuthatch/TW	7	1510500	1.186	1.268	16/12/8	7 x 0.1771	1.322	0.3663
Ratite/TW	5	1590000	1.249	1.313	16/11/7	7 x 0.1083	1.341	0.3249
Lapwing/TW	7	1590000	1.249	1.335	16/12/8	7 x 0.1253	1.355	0.3759
Falcon/TW	13	1590000	1.249	1.407	17/13/9	19 x 0.1030	1.402	0.5150
Chukar/TW	8	1780000	1.398	1.512	27/18/14/10	19 x 0.0874	1.460	0.4370
Seahawk/TW	3	1868800	1.468	1.514	20/16/12/7	7 x 0.0921	1.446	0.2763
Bluebird/TW	8	2156000	1.694	1.831	22/18/14/10	19 x 0.0961	1.599	0.4805
Kiwi/TW	4	2167000	1.702	1.775	19/15/11/7	7 x 0.1157	1.562	0.3471
Thrasher/TW	5	2312000	1.816	1.915	23/19/14/9	19 x 0.0814	1.629	0.4070
Joree/TW	5	2515000	1.975	2.083	23/19/14/9	19 x 0.0849	1.696	0.4245

TW= area equivalent i.e., Drake-795 Kcmil, 1.108" dia.; Drake/TW.795 Kcmil. 1.011" dia.

TABLE I-ACSR/TW-PHYSICAL CHARACTERISTICS									
Code Word	Per 1000 ft			Nominal Weight ¹			Percent Total Weight		Rated Strength Pounds ²
	Total	Al	Steel	Total	Al	Steel	Al	Steel	
Partridge/TW	367.3	251.7	115.6	1939	1329	610	68.5	31.4	11100
Merlin/TW	366.0	316.5	49.5	1932	1671	261	86.5	13.5	8560
Linnet/TW	462.0	316.5	145.5	2439	1671	768	68.5	31.5	14100
Oriole/TW	526.0	317.0	209.0	2777	1674	1103	60.2	13.7	17200
Bran/TW	511.1	374.0	137.1	2699	1975	724	73.2	26.8	14800
Lbis/TW	546.2	374.3	171.9	2884	1976	908	68.5	31.5	16300
Lark7/TW	621.5	374.6	246.9	3282	1978	1304	60.3	39.7	20400
Pelican/TW	518.8	448.6	70.2	2739	2369	317	86.5	13.5	11900
Flicker/TW	613.5	449.0	164.5	3239	2371	869	73.2	26.8	17200
Hawk/TW	655.4	449.0	206.4	3461	2371	1090	68.5	31.5	19400
Hen/TW	745.7	449.4	296.3	3937	2373	1564	60.3	39.7	23800
Parakee/TW	715.1	523.3	191.8	3776	2763	1013	73.2	26.8	20000
Dove/TW	766.1	525.0	241.1	4045	2772	1273	68.5	31.5	22600
Eagle/TW	869.9	524.2	345.7	4593	2768	1825	60.3	39.7	27600
Peacock/M	778.0	569.2	208.8	4108	3005	1102	73.2	26.8	21800
Squab/TW	831.3	569.4	261.9	4389	3006	1383	68.5	31.5	24600
Teal/TW	937.3	569.8	367.5	4949	3009	1940	60.8	39.2	30000
Rook/TW	817.6	598.4	219.2	4317	3160	1157	73.2	26.8	22900
Grosbeak/TW	873.9	598.6	275.3	4614	3161	1454	68.5	31.5	25400
Egret/TW	986.0	599.2	386.8	5206	3164	2042	60.8	39.2	31500
Flamingo/TW	856.9	627.1	229.8	4524	3311	1213	73.2	26.8	24000
Gannet/TW	916.0	627.4	288.6	4836	3313	1524	68.5	31.5	26700
Starling/TW	983.1	673.3	409.8	5191	3555	1636	68.5	31.5	28600
Redwing/TW	1108	674	434	5850	3559	2292	60.8	39.2	34800
Macaw/TW	858.5	749.8	108.7	4533	3959	574	87.3	12.7	19800
Tern/TW	894.5	748.4	146.1	4723	3952	771	83.7	16.3	21800
Puffin/TW	957.1	749.6	207.6	5053	3958	1095	78.3	21.7	25100
Cuckoo/TW	1024	750	274	5407	3960	1449	73.2	26.8	28200
Drake/TW	1094	750	344	5776	3960	1816	68.6	31.4	31800
Mallard/TW	1232	749	483	6505	3955	2550	60.8	39.2	38700
Ruddy/TW	1014	848	166	5354	4477	876	83.6	16.4	24500
Canary/TW	1159	849	310	6120	4483	1637	73.3	26.7	31700
Phoenix/TW	1030	900	130	5438	4752	686	87.4	12.6	23700
Rail/TW	1075	899	176	5676	4747	929	83.6	16.4	25900
Cardinal/TW	1229	899	329	5961	4747	1737	73.2	26.8	33500
Snowbir/TW	1116	975	141	5892	5148	744	87.4	12.6	25700
Otlolan/TW	1164	974	190	6146	5143	1003	83.7	16.3	28100
Curlew/TW	1330	974	356	7022	5143	1880	73.2	26.8	36300
Avocet/TW	1202	1050	152	6347	5544	803	87.4	12.6	27500
Bluejay/TW	1254	1049	205	6621	5539	1082	83.7	16.3	30300
Finch/TW	1427	1051	376	7535	5549	1985	73.7	26.3	39100
Oxbird/TW	1288	1125	163	6801	5940	861	87.3	12.7	29500
Bunting/TW	1343	1124	219	7091	5935	1156	83.7	16.3	32400

TABLE I-ACSR/TW-PHYSICAL CHARACTERISTICS									
Code Word	Nominal Weight ¹						Percent Total Weight		Rated Strength Pounds ²
	Total	Al	Per 1000 ft Steel	Pounds Total	Per Mile Al	Steel	Al	Steel	
Grackle/TW	1528	1125	403	8068	5940	2128	73.6	26.4	41900
Scissortail/TW	1373	1199	174	7249	6331	919	87.3	12.7	31400
Biftern/TW	1433	1199	234	7566	6331	1236	83.7	16.3	34600
Pheasant/TW	1629	1200	429	8601	6336	2265	73.7	26.3	44100
Ringdove/TW	1460	1275	185	7709	6732	660	87.3	12.7	32900
Dipper/TW	1522	1274	248	8036	6727	1309	83.7	16.3	36700
Martin/TW	1731	1275	456	9140	6732	2408	73.7	26.3	46800
Popinjay/TW	1546	1350	196	8163	7128	1035	87.3	12.7	38000
Bobolink/TW	1612	1349	263	8511	7123	1389	83.7	16.3	38900
Plover/TW	1834	1351	483	9684	7133	2550	73.7	26.3	49600
Nuthatch/TW	1702	1424	278	8987	7519	1468	83.7	16.3	40600
Ratite/TW	1718	1500	218	9071	7920	1151	87.3	12.7	38700
Lapwing/TW	1791	1499	292	9456	7915	1542	83.7	16.3	42300
Falcon/TW	2038	1501	537	10761	7925	2835	73.7	26.4	55100
Chukar/TW	2069	1682	387	10924	8881	2043	81.3	18.7	50700
Seahawk/TW	1922	1764	158	10148	9314	834	91.8	8.2	40300
Bluebird/TW	2505	2037	468	13226	10755	2471	81.3	18.6	60700
Kiwi/TW	2296	2047	249	12123	10808	1315	89.2	10.8	50200
Thrasher/TW	2517	2182	335	13290	11521	1769	86.7	13.3	57100
Joree/TW	2738	2373	365	14457	12529	1927	86.7	13.3	62100

- ¹ Nominal conductor weights are based on nominal lengths. Actual weights will vary within wire tolerances and lay lengths. Invoicing will be based on actual weights.
- ² Rated strength with standard weight zinc coated steel core.