



CONDUCTOR DATA SHEET

Aluminum Conductors Steel Supported-Trapezoidal (ACSS/TW)



ACSS/TW (Diameter Equal to Standard ACSR Sizes)

Metric units

Code Word	Size (kcmil)	Cross Sectional Area mm ²		Type No.	Stranding			Diameter (mm)		Weight (kg/km)			Rated Breaking strength (kN)		Resistance Ω/km	
		Alum.	Total		No. of Layers of Alum.	No. of Alum. Wires	No. & Dia. Individual Steel Wire	Complete Cable	Steel core	Total	Alum.	steel	Standard Strength	High Strength	R _{dc} at 20°C	R _{ac} at 75°C
Flicker/ACSS/TW	477.0	241.7	273.1	13	2	18	7 x 2.388	19.71	7.16	912	667	245	57.83	63.16	0.1160	0.1423
Hawk/ACSS/TW	477.0	241.7	281.0	16	2	18	7 x 2.675	20.04	8.02	975	668	307	69.39	76.06	0.1153	0.1420
Parakeet/ACSS/TW	556.5	282.0	318.5	13	2	18	7 x 2.578	21.21	7.73	1064	779	285	67.61	73.84	0.0990	0.1220
Dove/ACSS/TW	556.5	282.0	327.9	16	2	20	7 x 2.891	21.64	8.67	1138	779	359	80.96	88.52	0.0987	0.1217
Rook/ACSS/TW	636.0	322.3	364.1	13	2	20	7 x 2.756	22.61	8.27	1214	890	326	76.95	84.52	0.0867	0.1070
Grosbeak/ACSS/TW	636.0	322.3	374.7	16	2	20	7 x 3.089	23.06	9.27	1300	890	409	92.08	99.64	0.0863	0.1067
Tern/ACSS/TW	795.0	402.8	430.6	7	2	17	7 x 2.250	24.38	6.75	1327	1110	217	63.16	67.61	0.0697	0.0867
Puffin/ACSS/TW	795.0	402.8	446.4	10	2	18	7 x 2.814	24.89	8.44	1451	1111	340	84.07	91.63	0.0697	0.0863
Condor/ACSS/TW	795.0	402.8	455.0	13	2	20	7 x 3.081	25.22	9.24	1519	1112	407	96.53	103.64	0.0693	0.0860
Drake/ACSS/TW	795.0	402.8	468.5	16	2	20	7 x 3.454	25.65	10.36	1625	1113	512	115.21	124.55	0.0690	0.0857
Phoenix/ACSS/TW	954.0	483.4	508.1	5	3	30	7 x 2.126	26.52	6.38	1536	1342	194	63.16	67.61	0.0587	0.0730
Rail/ACSS/TW	954.0	483.4	516.8	7	3	32	7 x 2.466	26.95	7.40	1600	1339	260	74.29	80.07	0.0583	0.0730
Cardinal/ACSS/TW	954.0	483.4	546.1	13	2	20	7 x 3.376	27.53	10.13	1824	1335	489	115.65	124.55	0.0577	0.0720
Snowbird/ACSS/TW	1033.5	523.7	550.6	5	3	30	7 x 2.212	27.66	6.64	1659	1449	210	68.50	72.95	0.0540	0.0677
Ortolan/ACSS/TW	1033.5	523.7	559.9	7	3	32	7 x 2.565	27.99	7.70	1734	1451	282	80.51	86.74	0.0540	0.0673
Curlew/ACSS/TW	1033.5	523.7	591.5	13	2	20	7 x 3.513	28.68	10.54	1975	1445	530	125.44	134.78	0.0533	0.0663
Avocet/ACSS/TW	1113.0	564.0	593.0	5	3	30	7 x 2.296	28.68	6.89	1787	1561	226	72.51	77.84	0.0500	0.0630

Note: All the data set out in this catalogue is given for information purpose only and Midal Cables shall not be held responsible for its accuracy



CONDUCTOR DATA SHEET

Aluminum Conductors Steel Supported-Trapezoidal (ACSS/TW)



ACSS/TW (Diameter Equal to Standard ACSR Sizes)

Metric units

Code Word	Size (kcmil)	Cross Sectional Area mm ²		Type No.	Stranding			Diameter (mm)		Weight (kg/km)			Rated Breaking strength (kN)		Resistance Ω/km	
		Alum.	Total		No. of Layers of Alum.	No. of Alum. Wires	No. & Dia. Individual Steel Wire	Complete Cable	Steel core	Total	Alum.	steel	Standard Strength	High Strength	R _{dc} at 20°C	R _{ac} at 75°C
Bluejay/ACSS/TW	1113.0	564.0	603.0	7	3	33	7 x 2.664	29.03	7.99	1870	1566	305	86.74	93.41	0.0500	0.0630
Finch/ACSS/TW	1113.0	564.0	635.5	13	3	38	19 x 2.189	30.10	10.95	2126	1566	560	135.23	147.68	0.0497	0.0623
Oxbird/ACSS/TW	1192.5	604.3	635.4	5	3	30	7 x 2.377	29.64	7.13	1914	1671	243	77.84	83.18	0.0467	0.0590
Bunting/ACSS/TW	1192.5	604.3	646.0	7	3	33	7 x 2.756	30.00	8.27	1998	1673	326	92.97	100.09	0.0467	0.0590
Grackle/ACSS/TW	1192.5	604.3	680.9	13	3	38	19 x 2.266	31.12	11.33	2277	1677	600	145.01	157.91	0.0467	0.0583
Scissortail/ACSS/T	1272.0	644.6	677.7	5	3	30	7 x 2.456	30.56	7.37	2042	1783	259	83.18	88.96	0.0440	0.0557
Bittern/ACSS/TW	1272.0	644.5	689.1	7	3	35	7 x 2.847	30.99	8.54	2132	1784	348	99.20	106.76	0.0437	0.0553
Pheasant/ACSS/TW	1272.0	644.5	726.2	13	3	39	19 x 2.339	32.11	11.70	2428	1789	640	151.68	165.92	0.0437	0.0547
Dipper/ACSS/TW	1351.5	684.8	732.1	7	3	35	7 x 2.934	31.90	8.80	2265	1896	369	105.42	113.43	0.0413	0.0523
Martin/ACSS/TW	1351.5	684.8	771.5	13	3	39	19 x 2.410	33.02	12.05	2580	1902	679	161.03	176.15	0.0410	0.0517
Bobolink/ACSS/TW	1431.0	724.9	775.3	7	3	36	7 x 3.020	32.79	9.06	2400	2009	391	111.65	120.10	0.0390	0.0497
Plover/ACSS/TW	1431.0	725.1	817.0	13	3	37	19 x 2.482	33.96	12.41	2732	2013	719	170.81	186.38	0.0387	0.0490
Lapwing/ACSS/TW	1590.0	805.7	861.4	7	3	36	7 x 3.183	34.49	9.55	2665	2231	434	124.11	131.67	0.0350	0.0450
Falcon/ACSS/TW	1590.0	805.7	907.8	13	3	42	19 x 2.616	35.76	13.08	3036	2236	799	189.49	207.29	0.0350	0.0443
Chukar/ACSS/TW	1780.0	902.3	975.5	8	3	37	19 x 2.220	36.70	11.10	3070	2494	576	157.02	169.92	0.0313	0.0403
Bluebird/ACSS/TW	2156.0	705.4	1182.0	8	4	64	19 x 2.441	40.84	12.20	3742	3046	696	187.27	202.39	0.2600	0.0343

Note: All the data set out in this catalogue is given for information purpose only and Midal Cables shall not be held responsible for its accuracy



CONDUCTOR DATA SHEET

Aluminum Conductors Steel Supported-Trapezoidal (ACSS/TW)



ACSS/TW (Area Equal to Standard ACSR Sizes)

Metric units

Code Word	Size (kcmil)	Cross Sectional Area mm ²		Type No.	Stranding			Diameter (mm)		Weight (kg/km)			Rated Breaking strength (kN)		Resistance /km	
		Alum.	Total		No. of Layers of Alum.	No. of Alum. Wires	No. & Dia. Individual Steel Wire	Complete Cable	Steel core	Total	Alum.	steel	Standard Strength	High Strength	R _{dc} at 20°C	R _{ac} at 75°C
Mohawk/ACSS/TW	571.7	289.7	327.4	13	2	18	7 x 2.616	21.49	7.85	1093	800	294	69.39	76.06	0.0963	0.1190
Calumet/ACSS/TW	565.3	286.4	333.2	16	2	20	7 x 2.911	21.84	8.73	1154	790	364	81.85	89.85	0.0973	0.1197
Mystic/ACSS/TW	666.6	337.8	381.5	13	2	20	7 x 2.822	23.19	8.46	1274	932	342	80.96	88.52	0.0827	0.1023
Oswego/ACSS/TW	664.8	336.8	391.7	16	2	20	7 x 3.160	23.55	9.48	1359	931	429	96.53	104.09	0.0827	0.1020
Maumee/ACSS/TW	768.2	389.3	439.9	13	2	20	7 x 3.035	24.82	9.11	1470	1074	395	93.41	102.31	0.0717	0.0887
Wabash/ACSS/TW	762.8	386.6	449.4	16	2	20	7 x 3.381	25.15	10.14	1558	1067	491	110.76	119.21	0.0720	0.0890
Kettle/ACSS/TW	957.2	485.0	518.6	7	3	32	7 x 2.471	26.92	7.41	1606	1343	262	74.73	80.51	0.0583	0.0727
Fraser/ACSS/TW	946.7	479.7	527.0	10	3	35	7 x 2.921	27.36	8.79	1699	1330	369	93.86	101.86	0.0587	0.0733
Columbia/ACSS/TW	966.2	489.6	553.1	13	2	21	7 x 3.399	27.74	10.20	1847	1351	496	117.43	125.88	0.0593	0.0710
Suwannee/ACSS/TW	959.6	486.3	565.3	16	2	22	7 x 3.792	28.14	11.38	1961	1344	618	136.56	147.24	0.0573	0.0710
Cheyenne/ACSS/TW	1168.1	591.9	622.3	5	2	30	7 x 2.352	29.34	7.06	1875	1637	237	76.51	81.40	0.0477	0.0603
Genesee/ACSS/TW	1158.0	586.8	627.9	7	3	33	7 x 2.738	29.59	8.21	1946	1625	321	91.19	98.31	0.0480	0.0607
Hudson/ACSS/TW	1158.4	587.0	663.3	13	3	26	7 x 3.726	30.38	11.18	2216	1620	595	138.34	149.02	0.0477	0.0597
Catawba/ACSS/TW	1272.0	644.6	677.7	5	2	30	7 x 2.456	30.56	7.37	2042	1783	259	83.18	88.96	0.0440	0.0557
Nelson/ACSS/TW	1257.1	637.0	681.1	7	3	35	7 x 2.832	30.81	8.50	2108	1764	344	98.31	105.87	0.0443	0.0560
Yukon/ACSS/TW	1233.6	625.1	704.8	13	3	38	19 x 23.114	31.62	11.56	2360	1736	624	147.68	161.47	0.0450	0.0563
Truckee/ACSS/TW	1372.5	695.5	731.2	5	3	30	7 x 2.550	31.70	7.65	2204	1925	279	89.85	95.64	0.0407	0.0517
Mackenzie/ACSS/TW	1359.7	689.0	736.6	7	3	36	7 x 2.944	31.98	8.83	2277	1905	372	106.31	114.32	0.0410	0.0520

Note: All the data set out in this catalogue is given for information purpose only and Midal Cables shall not be held responsible for its accuracy



CONDUCTOR DATA SHEET

Aluminum Conductors Steel Supported-Trapezoidal (ACSS/TW)



ACSS/TW (Area Equal to Standard ACSR Sizes)

Metric units

Code Word	Size (kcmil)	Cross Sectional Area mm ²		Type No.	Stranding			Diameter (mm)		Weight (kg/km)			Rated Breaking strength (kN)		Resistance /km	
		Alum.	Total		No. of Layers of Alum.	No. of Alum. Wires	No. & Dia. Individual Steel Wire	Complete Cable	Steel core	Total	Alum.	steel	Standard Strength	High Strength	R _{dc} at 20°C	R _{ac} at 75°C
Thames/ACSS/TW	1334.6	676.1	761.9	13	3	39	19 x 2.398	32.77	11.99	2549	1877	672	159.25	173.93	0.0417	0.0523
St.Croix/ACSS/TW	1467.8	743.8	782.2	5	3	33	7 x 2.644	32.82	7.93	2358	2058	301	96.08	102.75	0.0380	0.0487
Miramichi/ACSS/TW	1455.3	737.4	788.4	7	3	36	7 x 3.048	33.07	9.14	2440	2042	399	113.87	120.55	0.0383	0.0487
Merrimack/ACSS/TW	1433.6	725.8	817.9	13	3	39	19 x 2.484	34.04	12.42	2738	2018	646	170.81	186.83	0.0387	0.0490
Platte/ACSS/TW	1569.0	795.0	835.9	5	3	33	7 x 2.728	33.88	8.18	2519	2199	320	102.75	109.43	0.0357	0.0457
Potomac/ACSS/TW	1557.4	789.2	843.8	7	3	36	7 x 3.152	34.16	9.46	2611	2184	427	121.44	129.00	0.0357	0.0460
Rio	1533.3	777.0	875.5	13	3	39	19 x 2.570	35.10	12.85	2928	2156	772	183.27	200.17	0.0363	0.0460
Schuykill/ACSS/TW	1657.4	840.0	898.1	7	3	36	7 x 3.251	35.20	9.75	2780	2326	454	129.44	137.45	0.0337	0.0433
Pecos/ACSS/TW	1622.0	821.9	930.9	13	3	39	19 x 2.703	36.17	13.51	3135	2281	854	200.17	219.30	0.0340	0.0433
Pee Dee/ACSS/TW	1758.6	891.0	952.9	7	3	37	7 x 3.350	36.25	10.05	2949	2467	482	137.45	145.90	0.0317	0.0410
James/ACSS/TW	1730.6	876.8	988.0	13	3	34	19 x 2.731	37.34	13.65	3305	2434	870	206.40	225.97	0.0320	0.0410
Athabaska/ACSS/TW	1949.6	987.9	1056.6	7	3	42	7 x 3.536	38.20	10.61	3272	2735	537	152.57	162.36	0.0287	0.0373
Cumberland/ACSS/T	1926.9	976.4	1099.9	13	3	42	19 x 2.878	39.24	14.39	3677	2710	967	229.53	250.88	0.0357	0.0450
Powder/ACSS/TW	2153.8	1091.1	1180.0	8	4	64	19 x 2.441	40.69	12.20	3717	3021	696	187.27	202.39	0.0260	0.0343
Santee/ACSS/TW	2627.3	1331.0	1436.6	8	4	64	19 x 2.697	44.75	13.49	4535	3686	850	228.19	247.32	0.0213	0.0290

Note: All the data set out in this catalogue is given for information purpose only and Midal Cables shall not be held responsible for its accuracy