

# STRANDED CABLE - AWA AND AWAC

## PHYSICAL AND ELECTRICAL *characteristics*

MATERIAL DESIGNATION	CONSTRUCTION		Each AW and AL diameter		Total Cable Diameter Inches	Weight #/Mft	Break Load (lbs)	DC Resistance @ 20°C Ohm/Mft
	AW = Aluminum Clad Steel AL = Aluminum		Inches	mm	Nominal			
<b>AWA</b>								
234 AWA	3 AW / 4 AL -.1144		.1144	2.91	.343	138	6,355	.2624
252 AWA	5 AW / 2 AL -.1285		.1285	3.26	.385	218	11,960	.2836
052 AWA	5 AW / 2 AL -.1620		.1620	4.11	.486	346	17,120	.1785
0052 AWA	5 AW / 2 AL -.1819		.1819	4.62	.546	436	20,420	.1415
0000127 AWA	12 AW / 7 AL -.1443		.1443	3.67	.721	699	32,670	.0885
<b>AWAC</b>								
#4-5/2 AWAC	2 AW / 5 AL-.0871		.0871	2.21	.261	69.7	2,790	.4026
#4-4/3 AWAC	3 AW / 4 AL-.0937		.0937	2.38	.281	92.4	4,190	.3935
#4-3/4 AWAC	4 AW / 3 AL-.1022		.1022	2.60	.307	123.7	6,130	.3809
#4-2/5 AWAC	5 AW / 2 AL-.1133		.1133	2.88	.340	169.4	8,960	.3656
#3-5/2 AWAC	2 AW / 5 AL-.0978		.0978	2.48	.293	87.8	3,500	.3193
#3-4/3 AWAC	3 AW / 4 AL-.1053		.1053	2.67	.316	116.5	5,260	.3116
#3-3/4 AWAC	4 AW / 3 AL-.1147		.1147	2.91	.344	155.9	7,700	.3024
#3-2/5 AWAC	5 AW / 2 AL-.1273		.1273	3.23	.382	213.5	11,300	.2896
#2-5/2 AWAC	2 AW / 5 AL-.1099		.1099	2.79	.330	110.8	4,370	.2529
#2-4/3 AWAC	3 AW / 4 AL-.1182		.1182	3.00	.355	146.9	6,600	.2473
#2-3/4 AWAC	4 AW / 3 AL-.1288		.1288	3.27	.386	196.6	9,690	.2398
#2-2/5 AWAC	5 AW / 2 AL-.1429		.1429	3.63	.429	269.3	13,500	.2298
#1-5/2 AWAC	2 AW / 5 AL-.1234		.1234	3.13	.370	139.7	5,450	.2006
#1-4/3 AWAC	3 AW / 4 AL-.1327		.1327	3.37	.398	185.3	8,100	.1962
#1-3/4 AWAC	4 AW / 3 AL-.1446		.1446	3.67	.434	247.9	11,200	.1903
#1-2/5 AWAC	5 AW / 2 AL-.1605		.1605	4.08	.482	339.6	16,500	.1822
#1/0-5/2 AWAC	2 AW / 5 AL-.1385		.1385	3.52	.416	176.1	6,580	.1592
#1/0-4/3 AWAC	3 AW / 4 AL-.1490		.1490	3.78	.447	233.5	9,680	.1556
#1/0-3/4 AWAC	4 AW / 3 AL-.1624		.1624	4.12	.487	312.6	13,800	.1509
#1/0-2/5 AWAC	5 AW / 2 AL-.1802		.1802	4.58	.541	428.0	19,500	.1445
#2/0-5/2 AWAC	2 AW / 5 AL-.1556		.1556	3.95	.467	222.1	8,030	.1262
#2/0-4/3 AWAC	3 AW / 4 AL-.1674		.1674	4.25	.502	294.6	11,900	.1233
#2/0-3/4 AWAC	4 AW / 3 AL-.1824		.1824	4.63	.547	394.3	16,400	.1196
#3/0-5/2 AWAC	2 AW / 5 AL-.1747		.1747	4.44	.524	280.6	9,660	.1001
#3/0-4/3 AWAC	3 AW / 4 AL-.1880		.1880	4.78	.564	371.4	14,200	.09775
#4/0-15/4 AWAC	4 AW / 15 AL-.1150		.1150	2.92	.575	305.4	10,800	.08076

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