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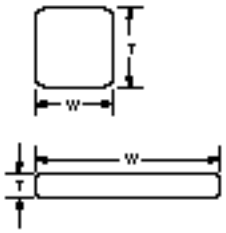
How to Compute Circular Mil Area of Various Wire Shapes

Square or Rectangular Wire



U.S. Customary Dimensions

Multiply the width of the wire cross section in mils by the thickness of the wire cross section in mils by 1.2732 and subtract the radius factor shown below.

CMA = W x T x 1.2732 – radius factor

Metric Dimensions

Multiply the width of the wire cross section in millimetres by the thickness of the wire cross section in millimetres by 1973.525 and subtract the radius factor shown below.

CMA = W x T x 1973.525 – radius factor

Round Solid Wire AWG

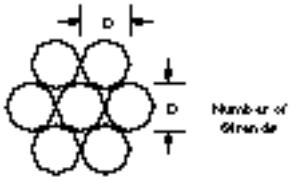
Multiply the diameter in mils by itself.

CMA = D^2

Multiply the diameter in milllimetres by itself by 1550.003

CMA = D^2 x 1550.003

Stranded Wire AWG



Multiply the diameter of one strand (in mils) by itself, and then multiply the result by the total number of strands.

CMA = D^2 x N

Multiply the diameter of one strand in millimetres by itself by the number of strands by 1550.003.

CMA = D^2 x N x 1550.003

Conversion Table

To Convert From	To	Multiply By
CMA	mm^2	.0005067075
CMA	in^2	.0000007854
mm^2	in^2	.001550003
mm^2	CMA	1973.525

Note: Refer to table listing for circular mil area for common wire sizes.

Radius Factor, U.S. Customary

Radius (in.)	Radius Factor To Subtract (CMA)
.010	110
.012	158
.016	280
.020	438
.026	740
.032	1121
.040	1752
.063	4346
.094	9675

Radius must be measured.

Radius Factor, Metric

Radius (mm)	Radius Factor To Subtract (CMA)
0.25	106
0.3	153
0.35	208
0.4	272
0.5	424
0.6	611
0.8	1086
1.2	2444

Radius must be measured.

Table of SOLISTRAND and Budget Standard Wire Ranges

Use to select the proper size terminals or splices.

Terminal Connector Size	CMA Range
26–22	202–810
24–20	320–1,290
22–16	509–3,260
16–14 & 16–14 HD	2,050–5,180
14–12	3,260–8,230
12–10	5,180–13,100
8 & 8 HD	13,100–20,800
6 & 6 HD	20,800–33,100
4 & 4 HD	33,100–52,600

Terminal Connector Size	CMA Range
2 & 2 HD	52,600–83,700
1/0 & 1/0 HD	83,700–119,500
2/0	119,500–150,500
3/0	150,500–190,000
4/0	190,000–231,000
250–300 MCM	231,000–300,000
300–350 MCM	300,000–380,000
400 MCM	350,000–478,000
500–600 MCM	478,000–600,000

HD-Denotes Heavy Duty Terminal.

Wire Sizes in AWG and mm² to CMA

Note: The following tables are applicable to single and multiple strand, round, conductors only.

Computing Circular Mil Area

For best results, the proper AMP terminal or splice must be selected not by the "fit" of wire or wires in the terminal barrel, but by the total circular mil area in cross section of the wires used. For this purpose AMP has prepared convenient tables to assist in the calculation of circular mil areas. When the totals are known, the proper AMP terminal or splice can be determined quickly.

Unusual combinations or special applications should be submitted to AMP engineering department for size recommendation. In any application, the careful selection of terminals by the circular mil area method will insure the highest possible performance, both electrically and mechanically, in your AMP terminations.

Example of multiple wire configurations used in one termination

ALWAYS SELECT TERMINALS BY THE CIRCULAR MIL AREA METHOD. For example, a No. 18 AWG 16-strand conductor (1600 CMA) and a No. 16 AWG 19-strand conductor (2426 CMA) will have a combined total of 4026 CMA. This total CMA is equivalent to a No. 14 AWG conductor.

Table listing: Circular Mil Area for common wire sizes

CMA	Nominal Wire Size		Strands			Approximate Conductor Diameter	
			No.	Diameter			
	AWG	mm²		Inch	mm	Inch	mm
3.8	44	0.002	1	0.00195	0.050	0.002	0.051
4.0	44	0.002	1	0.002	0.051	0.002	0.051
4.8	43	0.002	1	0.0022	0.056	0.0022	0.056
6.3	42	0.003	1	0.0025	0.064	0.0025	0.064
7.8	41	0.004	1	0.0028	0.071	0.0028	0.071
9.6	40	0.005	1	0.0031	0.079	0.0031	0.079
12.3	39	0.006	1	0.0035	0.089	0.0035	0.089
15.2	38	0.008	1	0.0039	0.099	0.0039	0.099
16.0	38	0.008	1	0.004	0.102	0.004	0.102
20.2	37	0.010	1	0.0045	0.114	0.0045	0.114
25.0	36	0.013	1	0.005	0.127	0.005	0.127
31.4	35	0.016	1	0.0056	0.142	0.0056	0.142
39.7	34	0.020	1	0.0063	0.160	0.0063	0.160
50.0	33	0.025	1	0.00707	0.180	0.0071	0.180
50.4	33	0.026	1	0.0071	0.180	0.0071	0.180
64.0	32	0.032	1	0.008	0.203	0.008	0.203
79.2	31	0.040	1	0.0089	0.226	0.0089	0.226
100.0	30	0.051	1	0.01	0.254	0.01	0.254
104.0	30	0.053	26	0.002	0.051	0.012	0.305
127.7	29	0.064	1	0.0113	0.287	0.011	0.279
152.1	29	0.077	10	0.0039	0.099	0.013	0.330
158.8	29	0.080	1	0.0126	0.320	0.013	0.330
175.0	28	0.089	7	0.005	0.127	0.015	0.381
182.6	28	0.093	19	0.0031	0.079	0.016	0.406
202	27	0.102	1	0.0142	0.361	0.014	0.356
204	27	0.103	51	0.002	0.051	0.016	0.406
238	26	0.121	6	0.0063	0.160	0.018	0.457
250	26	0.127	26	0.0031	0.079	0.018	0.457
250	26	0.127	10	0.005	0.127	0.018	0.457
251	26	0.127	8	0.0056	0.142	0.018	0.457
253	26	0.128	1	0.0159	0.404	0.016	0.406
256	26	0.130	16	0.004	0.102	0.018	0.457
274	26	0.139	18	0.0039	0.099	0.022	0.558
278	26	0.141	7	0.0063	0.160	0.019	0.483
288	26	0.146	72	0.002	0.051	0.022	0.559
300	26	0.152	3	0.01	0.254	0.02	0.508
304	26	0.154	19	0.004	0.102	0.02	0.508
313	25	0.159	1	0.0177	0.450	0.018	0.457
314	25	0.159	10	0.0056	0.142	0.02	0.508
318	25	0.161	8	0.0063	0.160	0.021	0.533
320	25	0.162	1	0.0179	0.455	0.018	0.457
388	24	0.197	1	0.0197	0.500	0.02	0.508
397	24	0.201	10	0.0063	0.160	0.023	0.584
400	24	0.203	16	0.005	0.127	0.023	0.584
400	24	0.203	4	0.01	0.254	0.023	0.584
403	24	0.204	8	0.0071	0.180	0.023	0.584
404	24	0.205	1	0.0201	0.511	0.02	0.508
408	24	0.207	13	0.0056	0.142	0.023	0.584
408	24	0.207	102	0.002	0.051	0.02	0.508
475	24	0.241	19	0.005	0.127	0.023	0.584
634	22	0.321	8	0.0089	0.226	0.029	0.737
635	22	0.322	16	0.0063	0.160	0.029	0.737
640	22	0.324	10	0.008	0.203	0.029	0.737
640	22	0.324	1	0.0253	0.643	0.025	0.635
650	22	0.329	26	0.005	0.127	0.033	0.838
700	22	0.355	7	0.01	0.254	0.03	0.762
754	22	0.382	19	0.0063	0.160	0.033	0.838
812	21	0.411	1	0.0285	0.724	0.029	0.737
992	20	0.503	1	0.0315	0.800	0.032	0.813
1000	20	0.507	10	0.01	0.254	0.038	0.965
1008	20	0.511	20	0.0071	0.180	0.039	0.991
1024	20	0.519	16	0.008	0.203	0.039	0.991
1024	20	0.519	1	0.032	0.813	0.032	0.813
1024	20	0.519	256	0.002	0.051	0.039	0.991
1025	20	0.519	41	0.005	0.127	0.038	0.965
1032	20	0.523	26	0.0063	0.160	0.039	0.991
1111	20	0.563	7	0.0126	0.320	0.039	0.991
1186	20	0.601	19	0.0079	0.201	0.041	1.041
1289	19	0.653	1	0.0359	0.912	0.036	0.914
1492	18.5	0.756	7	0.0146	0.371	0.047	1.194
1512	18.5	0.766	30	0.0071	0.180	0.047	1.194
1536	18.5	0.778	384	0.002	0.051	0.047	1.194
1536	18.5	0.778	24	0.008	0.203	0.047	1.194
1600	18	0.811	16	0.01	0.254	0.049	1.245
1608	18	0.815	19	0.0092	0.234	0.049	1.245

Table listing: Circular Mil Area for common wire sizes (Continued)

Wire Sizes in AWG and mm² to CMA

Note: The following tables are applicable to single and multiple strand, round, conductors only.

CMA	Nominal Wire Size		Strands			Approximate Conductor Diameter	
			No.	Diameter			
	AWG	mm²		Inch	mm	Inch	mm
1617	18	0.819	7	0.0152	0.386	0.042	1.067
1624	18	0.823	1	0.0403	1.024	0.04	1.016
1625	18	0.823	65	0.005	0.127	0.04	1.016
1627	18	0.824	41	0.0063	.0160	0.049	1.245
1639	18	0.830	7	0.0153	0.389	0.042	1.067
1770	18	0.897	7	0.0159	0.404	0.048	1.219
1900	18	0.963	19	0.01	0.254	0.052	1.321
1980	17	1.003	1	0.0445	1.130	0.045	1.143
1999	17	1.013	7	0.0169	0.429	0.047	1.194
2048	17	1.038	32	0.008	0.203	0.047	1.194
2048	17	1.038	512	0.002	0.051	0.049	1.245
2052	17	1.040	1	0.0453	1.151	0.045	1.143
2426	16	1.229	19	0.0113	0.287	0.061	1.549
2521	16	1.277	50	0.0071	0.180	0.059	1.499
2540	16	1.287	16	0.0126	0.320	0.059	1.499
2580	16	1.307	65	0.0063	0.160	0.059	1.499
2581	16	1.308	1	0.0508	1.290	0.051	1.295
2600	16	1.317	26	0.01	0.254	0.061	1.549
2625	16	1.330	105	0.005	0.127	0.059	1.499
2800	16	1.419	7	0.02	0.508	0.061	1.549
2942	15.5	1.491	7	0.0205	0.521	0.059	1.499
2948	15.5	1.494	1	0.0543	1.379	0.054	1.372
3000	15.5	1.520	30	0.01	0.254	0.059	1.499
3073	15.5	1.557	392	0.0028	0.071	0.061	1.549
3260	15	1.652	1	0.0571	1.450	0.057	1.448
3831	14	1.941	19	0.0142	0.361	0.076	1.930
3899	14	1.976	7	0.0236	0.599	0.071	1.803
4079	14	2.067	37	0.0105	0.267	0.073	1.854
4099	14	2.077	7	0.0242	0.615	0.076	1.930
4100	14	2.077	41	0.01	0.254	0.077	1.956
4106	14	2.081	19	0.0147	0.373	0.076	1.930
4109	14	2.082	1	0.0641	1.628	0.064	1.626
4128	14	2.092	26	0.0126	0.320	0.075	1.905
4167	14	2.111	105	0.0063	0.160	0.073	1.854
4234	14	2.145	84	0.0071	0.180	0.074	1.880
4802	13.5	2.433	50	0.0098	0.249	0.087	2.210
4842	13.5	2.453	7	0.0263	0.668	0.079	2.007
4914	13.5	2.490	1	0.0701	1.781	0.07	1.778
5184	13	2.627	1	0.072	1.829	0.072	1.829
6088	12	3.085	19	0.0179	0.455	0.096	2.438
6343	12	3.214	165	0.0062	0.157	0.095	2.413
6475	12	3.281	259	0.005	0.127	0.105	2.667
6500	12	3.294	65	0.01	0.254	0.096	2.438
6503	12	3.295	19	0.0185	0.470	0.092	2.337
6509	12	3.298	41	0.0126	0.320	0.094	2.388
6512	12	3.300	7	0.0305	0.775	0.086	2.184
6529	12	3.308	1	0.0808	2.052	0.081	2.057
6545	12	3.316	37	0.0133	0.338	0.093	2.362
6654	12	3.372	84	0.0089	0.226	0.094	2.388
6946	11.5	3.520	7	0.0315	0.800	0.094	2.388
7856	11.5	3.981	7	0.0335	0.851	0.1	2.540
7985	11.5	4.046	19	0.0205	0.521	0.101	2.565
8064	11.5	4.086	56	0.012	0.305	0.102	2.591
8226	11	4.168	1	0.0907	2.304	0.091	2.311
9072	10	4.597	7	0.036	0.914	0.096	2.438
9472	10	4.799	37	0.016	0.406	0.109	2.769
10080	10	5.108	1	0.1004	2.550	0.1	2.540
10319	10	5.229	37	0.0167	0.424	0.109	2.769
10319	10	5.229	65	0.0126	0.320	0.118	2.997
10365	10	5.252	41	0.0159	0.404	0.122	3.099
10376	10	5.258	7	0.0385	0.978	0.096	2.438
10384	10	5.262	1	0.1019	2.588	0.102	2.591
10404	10	5.272	19	0.0234	0.594	0.117	2.972
10500	10	5.320	105	0.01	0.254	0.116	2.946
10867	10	5.506	7	0.0394	1.001	0.118	2.997
11696	10	5.926	84	0.0118	0.300	0.13	3.302
11710	10	5.933	7	0.0409	1.039	0.128	3.251
11816	10	5.987	1	0.1087	2.761	0.109	2.769
12066	10	6.114	19	0.0252	0.640	0.126	3.200
13087	9	6.5	1	0.1144	2.91	0.114	2.90
13125	9	7	525	.0050	0.13	0.140	3.56
14175	8	7	7	.0450	1.14	0.146	3.71
14368	8	7.5	19	.0275	0.70	0.145	3.68
15595	8	8	7	.0472	1.20	0.142	3.60
15665	8	8	50	.0177	0.45	0.146	3.70

Table listing: Circular Mil Area for common wire sizes (Continued)

Wire Sizes in AWG and mm² to CMA

Note: The following tables are applicable to single and multiple strand, round, conductors only.

CMA	Nominal Wire Size		Strands			Approximate Conductor Diameter	
			No.	Diameter			
	AWG	mm²		Inch	mm	Inch	mm
16387	8	8	133	.0111	0.28	0.167	4.24
16473	8	8	37	.0211	0.54	0.150	3.81
16512	8	8	1	.1285	3.26	0.129	3.26
16533	8	8	7	.0486	1.23	0.146	3.71
16535	8	8	19	.0295	0.75	0.148	3.76
16589	8	8	49	.0184	0.47	0.150	3.81
16983	8	8.5	133	.0113	0.29	0.167	4.24
18853	7	10	19	.0315	0.80	0.161	4.10
19719	7	10	80	.0157	0.40	0.165	4.20
19737	7	10	7	.0531	1.35	0.159	4.05
19768	7	10	1	.1406	3.57	0.141	3.57
19796	7	10	49	.0201	0.51	0.161	4.10
26179	6	13	37	.0266	0.68	0.174	4.42
26218	6	13	7	.0612	1.55	0.184	4.67
26244	6	13	1	.1620	4.11	0.162	4.11
26292	6	15	19	.0372	0.94	0.202	5.13
26818	6	14	133	.0142	0.36	0.210	5.33
27783	6	14	7	.0630	1.60	0.189	4.80
31057	5.5	16	126	.0157	0.400	0.209	5.30
31329	5.5	16	7	.0669	1.700	0.197	5.00
31400	5.5	16	1	.1772	4.500	0.177	4.50
32199	5	16	37	.0295	0.750	0.197	5.00
33088	5	15.5	1	.1819	4.620	0.182	4.62
40682	4.5	20	41	.0315	0.800	0.236	6.00
41616	4	21	1	.2040	5.182	0.204	5.18
41718	4	21	7	.0772	1.961	0.232	5.89
41771	4	21	37	.0336	0.853	0.240	6.10
41792	4	21	19	.0469	1.191	0.226	5.74
42615	4	21	133	.0179	0.455	0.272	6.90
43356	3.5	22	7	.0787	2.000	0.236	6.00
48312	3	25	196	.0157	0.400	0.260	6.60
48867	3	25	783	.0079	0.200	0.280	7.10
49745	3	25	7	.0843	2.140	0.253	6.42
50010	3	25	84	.0244	0.620	0.260	6.60
57205	2.5	34	7	.0904	2.296	0.292	7.42
57459	2.5	30	7	.0906	2.300	0.272	6.90
66049	2	34	1	.2570	6.528	0.257	6.53
66139	2	34	19	.0590	1.499	0.332	8.43
66500	2	35	665	.0100	0.254	0.345	8.76
66517	2	34	37	.0424	1.077	0.300	7.62
68031	2	35	276	.0157	0.400	0.307	7.80
68857	2	35	19	.0602	1.530	0.301	7.65
69088	2	35	1107	.0079	0.200	0.335	8.50
73400	1.5	38	7	.1024	2.600	0.307	7.80
81700	1	41	817	.0100	0.254	0.382	9.70
83600	1	42	836	.0100	0.254	0.386	9.80
84341	1	40	85	.0315	0.800	0.339	8.60
95509	0	50	19	.0709	1.800	0.354	9.00
97610	0	50	396	.0157	0.400	0.406	10.30
98409	0	50	702	.0118	0.300	0.370	9.40
104500	0	53	1045	.0100	0.254	0.431	10.95
106400	0	54	1064	.0100	0.254	0.435	11.05
117680	0	60	19	.0787	2.000	0.394	10.00
133000	00	67	1330	.0100	0.254	0.486	12.34
135023	00	70	19	.0843	2.140	0.421	10.70
139101	00	70	999	.0118	0.300	0.488	12.40
139712	00	70	360	.0197	0.500	0.488	12.40
155959	000	80	19	.0906	2.300	0.453	11.50
167200	000	85	1672	.0100	0.254	0.545	13.84
184343	000	95	475	.0197	0.500	0.571	14.50
185468	000	95	1332	.0118	0.300	0.571	14.50
186972	000	95	19	.0992	2.520	0.496	12.60
199229	0000	100	19	.1024	2.600	0.512	13.00
210900	0000	105	2109	.0100	0.254	0.635	16.13
235959	0000	120	608	.0197	0.500	0.630	16.00
236208	0000	120	37	.0799	2.030	0.571	14.50
247791	0000	125	19	.1142	2.900	0.571	14.50
249856	250	127	61	.0640	1.623	0.576	14.63
249864	250	127	91	.0524	1.331	0.576	14.63
249870	250	127	12	.1443	3.665	0.600	15.24
249966	250	127	19	.1147	2.913	0.574	14.58
250003	250	127	37	.0822	2.088	0.575	14.61
299700	300	152	37	.0900	2.29	0.630	16.0
299755	300	152	61	.0701	1.781	0.631	16.03
299823	300	152	91	.0574	1.458	0.631	16.03

Table listing: Circular Mil Area for common wire sizes (Continued)

Wire Sizes in AWG and mm² to CMA

Note: The following tables are applicable to single and multiple strand, round, conductors only.

CMA	Nominal Wire Size		Strands			Approximate Conductor Diameter	
			No.	Diameter			
	AWG	mm²		Inch	mm	Inch	mm
299947	300	152	12	.1581	4.016	0.657	14.66
300209	300	152	19	.1257	3.193	0.629	15.98
349560	350	177	61	.0757	1.923	0.681	17.3
349804	350	177	91	.0620	1.575	0.682	17.32
349875	350	177	19	.1357	3.447	0.679	17.25
350072	350	177	12	.1708	4.338	0.710	18.03
350290	350	177	37	.0973	2.471	0.681	17.3
400026	400	203	19	.1451	3.686	0.726	18.44
400192	400	203	37	.1040	2.642	0.728	18.49
400221	400	203	61	.0810	2.057	0.729	18.49
400008	400	203	91	.0663	1.684	0.729	18.49
499868	500	253	19	.1622	4.12	0.811	20.6
499590	500	253	37	.1162	2.951	0.813	20.65
499605	500	253	61	.0905	2.299	0.815	20.7
499664	500	253	91	.0741	1.882	0.815	20.7
599401	600	304	127	.0687	1.745	0.893	22.68
599596	600	304	37	.1273	3.233	0.891	22.63
600003	600	304	91	.0812	2.062	0.893	22.68
600279	600	304	61	.0992	2.52	0.893	22.68
699216	700	355	127	.0742	1.885	0.965	24.51
699531	700	355	37	.1375	3.493	0.963	24.46
699695	700	355	61	.1071	2.72	0.964	24.49
699907	700	355	91	.0877	2.228	0.965	24.51
750227	750	405	61	.1109	2.817	0.998	25.35
750262	750	405	91	.0908	2.306	0.999	25.37
750277	750	405	37	.1424	3.617	0.997	25.32
749096	750	405	127	.0768	1.951	0.998	25.35
799533	800	456	37	.1470	3.734	1.029	26.14
799725	800	456	61	.1145	2.908	1.031	26.19
800654	800	456	127	.0794	2.017	1.032	26.21
800658	800	456	91	.0938	2.383	1.032	26.21
999197	1000	507	127	.0887	2.253	1.153	29.29
999424	1000	507	61	.1280	3.251	1.152	29.26
999457	1000	507	91	.1048	2.662	1.153	29.29
1000012	1000	507	37	.1644	4.176	1.151	29.24

Chart 2 (Solid Wire)
U.S. Customary Dimensions

Use to convert wire size to inches of diameter and CMA. To read mils direct, move decimal point three places to the right.

AWG	Dia. inches	CMA*
4/0	.460	212,000
3/0	.410	168,000
2/0	.365	133,000
1/0	.325	106,000
1	.289	83,700
2	.258	66,400
3	.229	52,600
4	.204	41,700
5	.182	33,100
6	.162	26,300
7	.144	20,800
8	.128	16,500
9	.114	13,100
10	.102	10,400
11	.091	8,230
12	.081	6,530
13	.072	5,180
14	.064	4,110
15	.057	3,260
16	.051	2,580
17	.045	2,050
18	.040	1,620

AWG	Dia. inches	CMA*
19	.036	1,290
20	.032	1,020
21	.0285	810
22	.0253	642
23	.0226	509
24	.0201	404
25	.0179	320
26	.0159	254
27	.0142	202
28	.0126	160
29	.0113	127
30	.0100	101
31	.0089	79.7
32	.0080	63.2
33	.0071	50.1
34	.0063	39.8
35	.0056	31.5
36	.0050	25.0
37	.0045	19.8
38	.0040	15.7
39	.0035	12.5
40	.0031	9.9

Metric Dimensions

Use to convert wire size to millimeters of diameter and CMA.

mm²	Dia. mm	CMA*
113.1	12	223,000
78.54	10	155,000
63.62	9	125,000
50.27	8	99,200
38.48	7	75,900
33.18	6.5	65,500
28.27	6	55,800
23.76	5.5	46,900
19.64	5	38,800
15.90	4.5	31,400
12.57	4	24,800
9.621	3.5	19,000
8.042	3.2	15,900
6.605	2.9	13,000
5.309	2.6	10,500
4.155	2.3	8,200
3.142	2	6,200
2.545	1.8	5,020
2.011	1.6	3,970
1.539	1.4	3,040
1.131	1.2	2,230
0.7854	1	1,550

mm²	Dia. mm	CMA*
0.6362	0.9	1,260
0.5027	0.8	992
0.3848	0.7	759
0.3318	0.65	655
0.2827	0.6	558
0.2376	0.55	469
0.1964	0.5	338
0.159	0.45	314
0.1257	0.4	248
0.09621	0.35	190
0.08042	0.32	159
0.06605	0.29	130
0.05309	0.26	105
0.04155	0.23	82
0.03142	0.2	62
0.02545	0.18	50.2
0.02011	0.16	39.7
0.01539	0.14	30.4
0.01131	0.12	22.3
0.00785	0.1	15.5

*Nominal CMA has been "rounded off" for ease of calculation when using multiple wires in one termination.

The SOLISTRAND Terminal

SOLISTRAND terminals and splices are specially designed to terminate solid and stranded wire, irregular shaped conductors, and combinations of these—still retaining the superior performance characteristics of single-purpose terminals and splices. Because AMP matches the terminal to the tool each termination is uniformly perfect, making quality control easy and performance consistent. Corrosion resistance, vibration resistance and tensile strength of these terminals and splices are well within the limits of commercial and military specifications. The SOLISTRAND line includes parallel and butt splices, and flag, ring, spade, hooked, and flanged tongue terminals in sizes from 26 AWG [0.1 mm^2] through 600 MCM [304 mm^2].

BASIC TERMINAL MATERIAL. The basic terminal is constructed of fine grade high conductivity copper per ASTM B-152 and tin-plated per MIL-T-10727. Basic material for Spring Spade Tongue Terminals is phosphor bronze per ASTM B-103 and tin-plated per MIL-T-10727. AMP's special plating process creates durable corrosion resistance to salt spray and most chemical fumes.

BRAZED SEAM. The barrel is completely closed and seam is brazed for uniform metal strength around the entire barrel area.

BELL MOUTH. Bell shape of barrel entrance makes insertion of wires easier.

DIMPLES OR SERRATIONS. Inner surface either dimpled or serrated for optimum tensile strength and maximum electrical contact area after crimping.

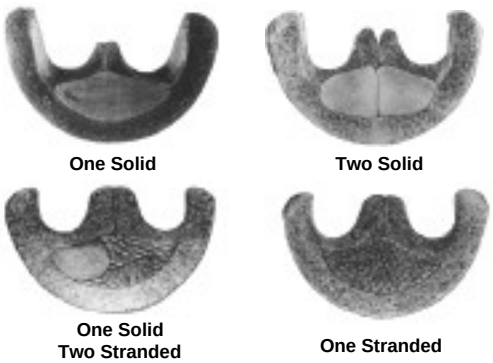
SOLISTRAND Terminals meet or exceed the requirements of MIL-T-7928, Type I, Class 1 and 2.

The Crimp

The "W" Crimp is one of several time-proven crimp types developed by AMP. It is not just a "kink" in a metal barrel; not something pinched over electrical wire ends. The "W" Crimp is actually two longitudinal crimps applied with precisely controlled pressure so that the conductor within the barrel flows together into the dimples or serrations of the terminal barrel creating one homogeneous mass of metal. The two indents also help to center conductors within the barrel for uniform crimping of the barrel around the wire. Furthermore, the "W" Crimp permits the use of a shorter terminal barrel, an excellent feature for confined area termination.

The "W" Crimp creates terminations of optimum electrical properties and is completely reliable, giving long service in punishing environments.

"W" Crimp



One Solid | Two Solid

One Solid Two Stranded | One Stranded

Temperature Rating: 170°C Max.

AMP SOLISTRAND Terminals and Splices (Use SOLISTRAND Tooling)

AMP Inc. Wire Size	Listed File No. E13288	LR 7189 Certified
22–16 Solid or Stranded	22–16 Solid or Stranded	22–16 Solid or Stranded
16–14 Solid or Stranded	16–14 Solid or Stranded	16–14 Solid or Stranded
16–14 Heavy Duty Solid or Stranded	16–14 Heavy Duty Stranded	16–14 Heavy Duty Solid or Stranded
14–12 Solid or Stranded	14–12 Stranded	14–12 Solid or Stranded
12–10 Solid or Stranded	12–10 Stranded	12–10 Solid or Stranded
8 thru 600 MCM Solid or Stranded	8 thru 600 MCM Stranded	8 thru 600 MCM Solid or Stranded

Note: 22-16 terminals and splices are stamped 22-18 in accordance with MIL-T-7928. Commercial wire range is 22-16.

***DANGER:* Not to be used on aluminum wire —** may cause equipment failure leading to serious injury or death.

The Budget Terminal

Budget Terminals and splices are primarily the same as SOLISTRAND products except for the absence of the brazed seam in the wire barrel. This terminal is ideal for applications where extreme vibration and tension on the wire are not present. These terminals and splices fulfill the need for an economical and electrically superior termination through the use of high grade materials, long plating experience and a proven crimp.

One of the most desirable features of this terminal and splice is the "F" Crimp. This proven crimp configuration rolls the open seam barrel into the conductor presenting a large surface to the inside of the terminal barrel assuring optimum electrical performance.

The Budget line includes butt splices, ring, rectangular, flanged spade, hooked, and spring spade tongue terminals in sizes from 26 AWG [0.1 mm^2] through 10 AWG [6.64 mm^2].

BASIC TERMINAL MATERIAL. The basic terminal is constructed of fine grade high conductivity copper per ASTM B-152 and tin-plated per MIL-T-10727. Basic material for Spring Spade Tongue Terminals is phosphor bronze per ASTM B-103 and tin-plated per MIL-T-10727. AMP's special plating process creates durable corrosion resistance to salt spray and most chemical fumes.

SERRATIONS. Inner surface serrated for optimum tensile strength and maximum electrical contact area after crimping.

BELL MOUTH. Bell shape of barrel entrance makes insertion of wires easier.

Temperature Rating: 170°C Max.

AMP Budget Terminals and Splices (Use Budget Tooling)

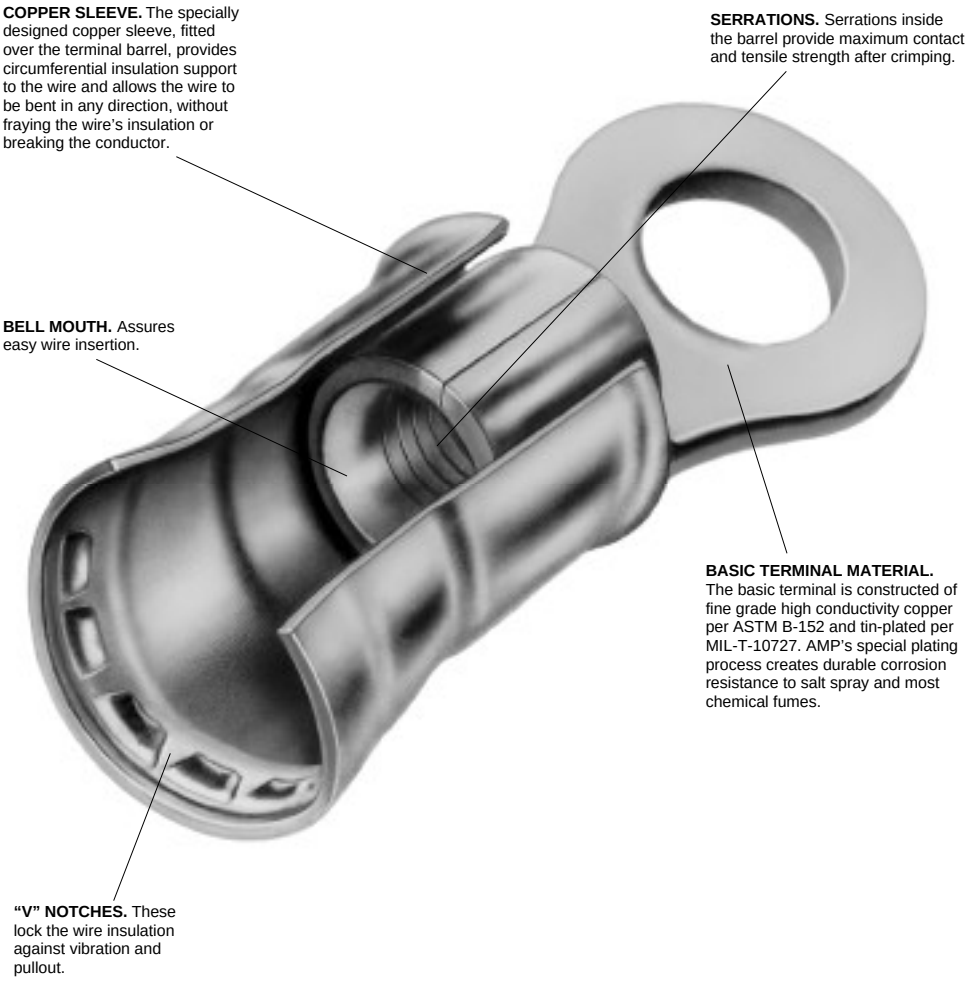
Wire Size	Listed File No. E13288
22–16 Stranded	22–16 Stranded
16–14 Stranded	16–14 Stranded
12–10 Stranded	12–10 Stranded

Note: 22-16 terminals and splices are stamped 22-18 in accordance with MIL-T-7928. Commercial wire range is 22-16.

DIAMOND GRIP Terminal

The DIAMOND GRIP product line of terminals and splices is designed for completely uniform reliability under the most critical conditions of vibration, thermal shock, corrosion, tension and current overload. AMP's mated tool/terminal concept represents a total approach to wire termination and takes into account all the factors of circuit termination.

The uniformity of appearance of AMP terminations is repeated by their uniformity in performance — made possible by designing the terminal and the tooling to match precisely. This promotes fast and easy crimping and assures precise crimping pressure for every wire size, regardless of the skill of the operator. The result is the best circuit termination at the lowest applied cost. And this is true for all terminations from first to last, week after week, month after month.



The Crimp

After the wire is inserted into the barrel, the matching dies in the AMP tool close over the barrel, exerting great pressure. This causes the wire strands to flow into the serrations of the terminal barrel as it is compressed around them, forming a homogenous mass of the strands and terminal barrel. This maximum contact assures optimum conductivity of the termination.

Temperature Rating: 170°C Max.

DIAMOND GRIP Terminals and Splices (Use DIAMOND GRIP Tooling)

AMP Wire Range	Listed	LR 7189 Certified
22–16	22–16 Stranded	22–16 Stranded
16–14	16–14 Stranded	16–14 Stranded
16–14 HD	16–14 HD Stranded	—
12-10	12–10 Stranded	12–10 Stranded

Terminal Stud Hole Size

Use to Select Proper Size Terminal

The chart shows sizes and dimensions of various studs and the corresponding terminal stud hole sizes used with AMP devices.
For example, with stud #5 (.125 [3.18] Diameter), use AMP device listed for #5 stud (.132 [3.35] Hole Diameter).
Terminal stud hole sizes may easily be checked by fitting sample terminal to black circle.

Stud Size		Stud Dia.	Typical Terminal Stud Hole Diameter
U.S. Cust.	Metric		
#0	—	**.060** 1.52	**.067** ± **.003** 1.70 ± 0.08
#1	—	**.073** 1.85	**.080** ± **.003** 2.03 ± 0.08
#2	M2	**.086** 2.18	**.093** ± **.003** 2.36 ± 0.08
#3	—	**.099** 2.51	Not Available
#4	—	**.112** 2.84	**.119** ± **.003** 3.02 ± 0.08
#5	M3	**.125** 3.18	**.132** ± **.003** 3.35 ± 0.08
#6	M3.5	**.138** 3.51	**.145** ± **.003** 3.68 ± 0.08
#8	M4	**.164** 4.17	**.171** ± **.003** 4.34 ± 0.08
#10	—	**.190** 4.83	**.197** ± **.003** 5.00 ± 0.08
#12	—	**.216** 5.49	**.223** ± **.003** 5.66 ± 0.08
#14	—	**.242** 6.15	**.250** ± **.003** 6.35 ± 0.08
1/4"	M6	**.250** 6.35	**.265** ± **.005** 6.73 ± 0.13
5/16"	M8	**.312** 7.92	**.328** ± **.005** 8.33 ± 0.13
3/8"	—	**.375** 9.53	**.390** ± **.005** 9.91 ± 0.13

Stud Size		Stud Dia.	Typical Terminal Stud Hole Diameter
U.S. Cust.	Metric		
7/16"	—	**.437** 11.10	**.453** ± **.005** 11.51 ± 0.13
1/2"	M12	**.500** 12.70	**.515** ± **.005** 13.08 ± 0.13
5/8"	M16	**.625** 15.88	**.656** ± **.005** 16.66 ± 0.13
3/4"	—	**.750** 19.05	**.781** ± **.005** 19.84 ± 0.13
7/8"	M22	**.875** 22.23	**.906** ± **.005** 23.01 ± 0.13
1"	—	**1.000** 25.40	**1.031** ± **.005** 26.19 ± 0.13

For drawings, technical data or samples, contact your AMP sales engineer or call the AMP Technical Support Center 1-800-522-6752.
Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.
Specifications subject to change. Consult AMP for latest specifications.

Ring Tongue Terminals

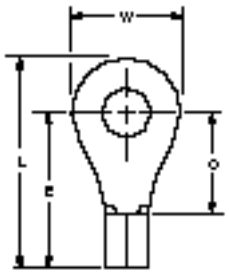
Wire Size Range

**AWG 26 to 16,
CMA 202 to 3,260
[0.1 to 1.65 mm²]**

Material

Terminal Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



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Wire Size Circular Mils [mm²]	Stud Size	Style	Dimensions L Max.	E Max.	C Min.	W	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Wire Barrel I.D. Min. Budget	Part Numbers Solistrand	Part Numbers Budget
26–22 202–810 [0.1–0.41]	0	A	**.329** 8.36	**.256** 6.50	**.121** 3.07	**.140** 3.56	**.020** 0.51	—	**.035** 0.89	—	31423
	2 M2	A	**.329** 8.36	**.256** 6.50	**.121** 3.07	**.140** 3.56	**.020** 0.51	—	**.035** 0.89	—	31425 2-31425-2
		A	**.450** 11.43	**.346** 8.79	**.211** 5.36	**.203** 5.16	**.020** 0.51	—	**.035** 0.89	—	33695
		A	**.419** 10.64	**.346** 8.79	**.211** 5.36	**.140** 3.56	**.020** 0.51	**.031** 0.79	**.035** 0.89	50334*	322771
	4	A	**.450** 11.43	**.346** 8.79	**.211** 5.36	**.203** 5.16	**.020** 0.51	—	**.035** 0.89	—	31428
	6 M3.5	A	**.450** 11.43	**.346** 8.79	**.211** 5.36	**.203** 5.16	**.020** 0.51	—	**.035** 0.89	—	31430
		A	**.544** 13.82	**.416** 10.57	**.281** 7.14	**.250** 6.35	**.020** 0.51	**.031** 0.79	**.035** 0.89	331401 1-331401-1	32858
	8	A	**.544** 13.82	**.416** 10.57	**.281** 7.14	**.250** 6.35	**.020** 0.51	—	**.035** 0.89	—	32859
	10	A	**.544** 13.82	**.416** 10.57	**.281** 7.14	**.250** 6.35	**.020** 0.51	—	**.035** 0.89	—	32860
22–16 509–3,260 [0.26–1.65]	1	A	**.449** 11.40	**.337** 8.56	**.156** 3.96	**.218** 5.54	**.033** 0.84	—	**.065** 1.65	—	31087
	2 M2	A	**.449** 11.40	**.337** 8.56	**.156** 3.96	**.218** 5.54	**.033** 0.84	**.061** 1.55	**.065** 1.65	34103 2-34103-1	31088
		A	**.446** 11.33	**.353** 8.97	**.172** 4.37	**.182** 4.62	**.033** 0.84	**.061** 1.55	**.065** 1.65	322927	320677
	4	A	**.449** 11.40	**.337** 8.56	**.156** 3.96	**.218** 5.54	**.033** 0.84	**.061** 1.55	**.065** 1.65	34104* 2-34104-6	31089 3-31089-6
		A	**.446** 11.33	**.353** 8.97	**.172** 4.37	**.182** 4.62	**.033** 0.84	**.061** 1.55	**.065** 1.65	36467*	36189 2-326850-1
		A	**.621** 15.77	**.493** 12.52	**.312** 7.92	**.250** 6.35	**.033** 0.84	**.061** 1.55	**.065** 1.65	323096 2-323096-2	322418
	5 M3	A	**.449** 11.40	**.337** 8.56	**.156** 3.96	**.218** 5.54	**.033** 0.84	—	**.065** 1.65	—	31090 2-31090-1
	6 M3.5	A	**.449** 11.40	**.337** 8.56	**.156** 3.96	**.218** 5.54	**.033** 0.84	**.061** 1.55	**.065** 1.65	34105* 2-34105-2	31091
		A	**.528** 13.41	**.416** 10.57	**.156** 3.96	**.218** 5.54	**.033** 0.84	**.061** 1.55	**.065** 1.65	34194	31101
		A	**.574** 14.58	**.436** 11.07	**.250** 6.35	**.281** 7.14	**.033** 0.84	**.061** 1.55	**.065** 1.65	34107* 2-34107-2	31264
		A	**.621** 15.77	**.462** 11.73	**.281** 7.14	**.312** 7.92	**.033** 0.84	**.061** 1.55	**.065** 1.65	34110* 2-34110-3	30691* 1-30691-1
		A	**.653** 16.59	**.478** 12.14	**.297** 7.54	**.344** 8.74	**.033** 0.84	—	**.065** 1.65	—	32822
	8 M4	A	**.621** 15.77	**.462** 11.73	**.281** 7.14	**.312** 7.92	**.033** 0.84	**.061** 1.55	**.065** 1.65	34111* 2-34111-3	30692
		A	**.574** 14.58	**.436** 11.07	**.250** 6.35	**.281** 7.14	**.033** 0.84	**.061** 1.55	**.065** 1.65	34108* 2-34108-2	31265*
		A	**.653** 16.59	**.478** 12.14	**.297** 7.54	**.344** 8.74	**.033** 0.84	**.061** 1.55	**.065** 1.65	323086	32823

Note: Part numbers are shown as loose piece over tape mounted product.
*Part numbers are available in small quantity packages.

Ring Tongue Terminals (Continued)

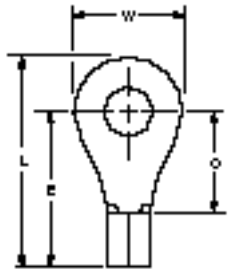
Wire Size Range

**AWG 22 to 14,
CMA 509 to 5,180
[0.26 to 2.62 mm²]**

Material

Terminal Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



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Wire Size Circular Mils [mm²]	Stud Size	Style	Dimensions L Max.	E Max.	C Min.	W	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Budget	Part Numbers Solistrand	Budget
22–16 509–3,260 [0.26–1.65]	10	A	**.621** 15.77	**.462** 11.73	**.281** 7.14	**.312** 7.92	**.033** 0.84	**.061** 1.55	**.065** 1.65	34112* 2-34112-2	30693* 3-30693-7
		A	**.574** 14.58	**.436** 11.07	**.250** 6.35	**.281** 7.14	**.033** 0.84	**.061** 1.55	**.065** 1.65	34109* 2-34109-2	31266
		A	**.653** 16.59	**.478** 12.14	**.297** 7.54	**.344** 8.74	**.033** 0.84	**.061** 1.55	**.065** 1.65	323087*	32824
	12	A	**.621** 15.77	**.462** 11.73	**.281** 7.14	**.312** 7.92	**.033** 0.84	—	**.065** 1.65	—	30694 2-30694-1
	1/4 M6	A	**.856** 21.74	**.618** 15.70	**.437** 11.10	**.469** 11.91	**.033** 0.84	**.061** 1.55	**.065** 1.65	34113* 2-34113-2	31172
	5/16 M8	A	**.856** 21.74	**.618** 15.70	**.437** 11.10	**.469** 11.91	**.033** 0.84	**.061** 1.55	**.065** 1.65	34114* 2-34114-2	31173 3-31173-3
		A	**.995** 25.27	**.727** 18.47	**.546** 13.87	**.531** 13.49	**.033** 0.84	—	**.065** 1.65	—	324124
	3/8	A	**.995** 25.27	**.727** 18.47	**.546** 13.87	**.531** 13.49	**.033** 0.84	**.061** 1.55	**.065** 1.65	34115* 2-34115-2	31498
	1/2 M12	A	**1.070** 27.18	**.711** 18.06	**.530** 13.46	**.713** 18.11	**.033** 0.84	**.061** 1.55	**.065** 1.65	329966*	328970
16–14 2,050–5,180 [1.04–2.62]	2 M2	A	**.480** 12.19	**.352** 8.94	**.171** 4.34	**.250** 6.35	**.033** 0.84	—	**.089** 2.26	—	321007
		A	**.445** 11.30	**.352** 8.94	**.171** 4.34	**.180** 4.57	**.033** 0.84	**.085** 2.16	**.089** 2.26	328377	326854
	4	A	**.480** 12.19	**.352** 8.94	**.171** 4.34	**.250** 6.35	**.033** 0.84	**.085** 2.16	**.089** 2.26	34119* 2-34119-1	32185
	6 M3.5	A	**.636** 16.15	**.462** 11.73	**.281** 7.14	**.343** 8.71	**.033** 0.84	**.085** 2.16	**.089** 2.26	34121* 2-34121-1	30695
		A	**.480** 12.19	**.352** 8.94	**.171** 4.34	**.250** 6.35	**.033** 0.84	**.085** 2.16	**.089** 2.26	34120* 2-34120-1	32186*
		A	**.590** 14.99	**.431** 10.95	**.250** 6.35	**.312** 7.92	**.033** 0.84	**.085** 2.16	**.089** 2.26	321684* 2-321684-1	321683
	8 M4	A	**.636** 16.15	**.462** 11.73	**.281** 7.14	**.343** 8.71	**.033** 0.84	**.085** 2.16	**.089** 2.26	34122* 2-34122-1	30696*
		A	**.590** 14.99	**.431** 10.95	**.250** 6.35	**.312** 7.92	**.033** 0.84	**.085** 2.16	**.089** 2.26	324955* 2-324955-1	322235 1-322235-1
	10	A	**.621** 15.77	**.462** 11.73	**.281** 7.14	**.312** 7.92	**.033** 0.84	—	**.089** 2.26	—	51872-5
		A	**.636** 16.15	**.462** 11.73	**.281** 7.14	**.343** 8.71	**.033** 0.84	**.085** 2.16	**.089** 2.26	34123* 2-34123-1	30697*
		A	**.669** 16.99	**.510** 12.95	**.250** 6.35	**.312** 7.92	**.033** 0.84	**.085** 2.16	**.089** 2.26	320093 2-320093-1	31049
	12	A	**.855** 21.72	**.618** 15.70	**.437** 11.10	**.469** 11.91	**.033** 0.84	—	**.089** 2.26	—	31163
	14	A	**.730** 18.54	**.493** 12.52	**.312** 7.92	**.468** 11.89	**.033** 0.84	—	**.089** 2.26	—	34896

Note: Part numbers are shown as loose piece over tape mounted product.
*Part numbers are available in small quantity packages.

Ring Tongue Terminals (Continued)

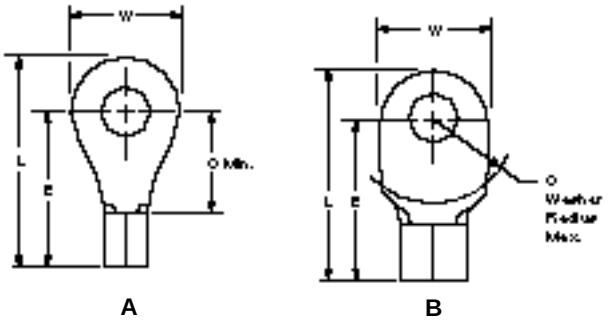
Wire Size Range

AWG 16 to 10, CMA 2,050 to 13,100 [1.04 to 6.64 mm²]

Material

Terminal Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



A B

Wire Size Circular Mils [mm²]	Stud Size	Style	Dimensions L Max.	Dimensions E Max.	Dimensions C	Dimensions W	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Wire Barrel I.D. Min. Budget	Part Numbers Solistrand	Part Numbers Budget
16–14 2,050–5,180 [1.04–2.62]	1/4 M6	A	**.855** 21.72	**.618** 15.70	**.437** 11.10	**.469** 11.91	**.033** 0.84	**.085** 2.16	**.089** 2.26	34124* 2-34124-1	31164
	5/16 M8	A	**.855** 21.72	**.618** 15.70	**.437** 11.10	**.469** 11.91	**.033** 0.84	**.085** 2.16	**.089** 2.26	34125* 2-34125-6	31165
	3/8	A	**.995** 25.27	**.727** 18.47	**.546** 13.87	**.531** 13.49	**.033** 0.84	**.085** 2.16	**.089** 2.26	34126* 2-34126-2	31499
	1/2 M12	A	**1.070** 27.18	**.711** 18.06	**.530** 13.46	**.713** 18.11	**.033** 0.84	—	**.089** 2.26	—	328971
		A	**1.184** 30.07	**.806** 20.47	**.625** 15.88	**.750** 19.05	**.033** 0.84	**.085** 2.16	**.089** 2.26	50981	50982
14–12 3,260–8,230 [1.65–4.17]	8 M4	B	**.685** 17.40	**.526** 13.36	**.250** 6.35	**.312** 7.92	**.042** 1.07	**.098** 2.49	—	321827	—
	10	B	**.739** 18.77	**.526** 13.36	**.250** 6.35	**.421** 10.69	**.042** 1.07	**.098** 2.49	—	34484 1-34484-0	—
		B	**.685** 17.40	**.526** 13.36	**.250** 6.35	**.312** 7.92	**.042** 1.07	**.098** 2.49	—	321828 1-321828-0	—
	1/4 M6	B	**.739** 18.77	**.526** 13.36	**.250** 6.35	**.421** 10.69	**.042** 1.07	**.098** 2.49	—	34487	—
	3/8	B	**1.120** 28.45	**.774** 19.66	**.437** 11.10	**.687** 17.45	**.042** 1.07	**.098** 2.49	—	34486	—
12–10 5,180–13,100 [2.62–6.64]	4	A	**.630** 16.00	**.487** 12.37	**.219** 5.56	**.281** 7.14	**.042** 1.07	**.129** 3.28	**.134** 3.40	322447	34891
	6 M3.5	A	**.630** 16.00	**.487** 12.37	**.219** 5.56	**.281** 7.14	**.042** 1.07	**.129** 3.28	**.134** 3.40	35476* 2-35476-1	34892
		A	**.729** 18.52	**.570** 14.48	**.302** 7.67	**.312** 7.92	**.042** 1.07	**.129** 3.28	**.134** 3.40	324911	324910
		A	**.765** 19.43	**.575** 14.61	**.302** 7.67	**.375** 9.53	**.042** 1.07	**.129** 3.28	**.134** 3.40	33456 2-33456-1	31112
	8 M4	A	**.708** 17.98	**.549** 13.94	**.281** 7.14	**.312** 7.92	**.042** 1.07	**.129** 3.28	**.134** 3.40	322454*	34404*
		A	**.765** 19.43	**.575** 14.61	**.302** 7.67	**.375** 9.53	**.042** 1.07	**.129** 3.28	**.134** 3.40	32994* 2-32994-1	31113
	10	A	**.723** 18.36	**.549** 13.94	**.281** 7.14	**.343** 8.71	**.042** 1.07	**.129** 3.28	**.134** 3.40	322455 2-322455-1	32882
		A	**.765** 19.43	**.575** 14.61	**.302** 7.67	**.375** 9.53	**.042** 1.07	**.129** 3.28	**.134** 3.40	33457* 2-33457-2	31114*
		A	**.808** 20.52	**.618** 15.70	**.343** 8.71	**.375** 9.53	**.042** 1.07	**.129** 3.28	**.134** 3.40	31805	321829
		A	**.865** 21.97	**.612** 15.54	**.344** 8.74	**.500** 12.70	**.042** 1.07	**.129** 3.28	**.134** 3.40	35771* 2-35771-1	34964
		A	**1.004** 25.50	**.736** 18.69	**.468** 11.89	**.531** 13.49	**.042** 1.07	**.129** 3.28	**.134** 3.40	36451	31120
	1/4 M6	A	**.865** 21.97	**.612** 15.54	**.344** 8.74	**.500** 12.70	**.042** 1.07	**.129** 3.28	**.134** 3.40	35772* 2-35772-1	34965
		A	**1.004** 25.50	**.736** 18.69	**.468** 11.89	**.531** 13.49	**.042** 1.07	**.129** 3.28	**.134** 3.40	33458* 2-33458-3	31122*
	5/16 M8	A	**.865** 21.97	**.612** 15.54	**.344** 8.74	**.500** 12.70	**.042** 1.07	—	**.134** 3.40	—	34966
		A	**1.004** 25.50	**.736** 18.69	**.468** 11.89	**.531** 13.49	**.042** 1.07	**.129** 3.28	**.134** 3.40	33459* 2-33459-6	31123

Note: Part numbers are shown as loose piece over tape mounted product.
*Part numbers are available in small quantity packages.

Ring Tongue Terminals (Continued)

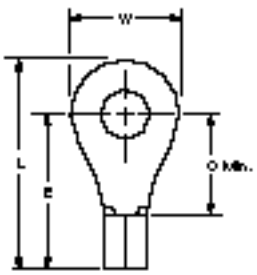
Wire Size Range

**AWG 12 to 8,
CMA 5,180 to 20,800
[2.62 to 10.5 mm²]**

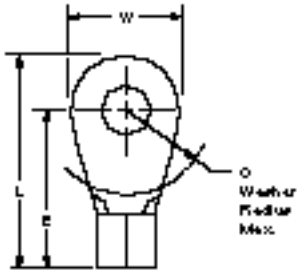
Material

Terminal Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



A



C

Wire Size Circular Mils [mm²]	Stud Size	Style	Dimensions L Max.	Dimensions E Max.	Dimensions C	Dimensions W	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Wire Barrel I.D. Min. Budget	Part Numbers Solistrand	Part Numbers Budget
12-10 5,180–13,100 [2.62-6.64]	3/8	A	**1.098** 27.89	**.799** 20.29	**.531** 13.49	**.593** 15.06	**.042** 1.07	**.129** 3.28	**.134** 3.40	33220* 1-33220-2[3]	30972
		A	**1.271** 32.28	**.893** 22.68	**.625** 15.88	**.750** 19.05	**.042** 1.07	**.129** 3.28	**.134** 3.40	322242	34833
	1/2 M12	A	**1.102** 27.99	**.742** 18.85	**.474** 12.04	**.715** 18.16	**.042** 1.07	—	**.134** 3.40	—	52269-1
		A	**1.271** 32.28	**.893** 22.68	**.625** 15.88	**.750** 19.05	**.042** 1.07	**.129** 3.28	**.134** 3.40	35135 2-35135-2[3]	34834
		A	**1.896** 48.16	**1.268** 32.21	**1.000** 25.40	**1.250** 31.75	**.042** 1.07	**.129** 3.28	**.134** 3.40	320763	320760
	5/8 M16	A	**1.896** 48.16	**1.268** 32.21	**1.000** 25.40	**1.250** 31.75	**.042** 1.07	**.129** 3.28	**.134** 3.40	320764	320761
	3/4	A	**1.896** 48.16	**1.268** 32.21	**1.000** 25.40	**1.250** 31.75	**.042** 1.07	**.129** 3.28	**.134** 3.40	320765	320762
	7/8 M22	A	**1.896** 48.16	**1.268** 32.21	**1.000** 25.40	**1.250** 31.75	**.042** 1.07	**.129** 3.28	—	1-320765-1	—
	1	A	**1.896** 48.16	**1.268** 32.21	**1.000** 25.40	**1.250** 31.75	**.042** 1.07	**.129** 3.28	—	1-320765-0	—
8 13,100–20,800 [6.64–10.5]	8 M4	C	**.949** 24.10	**.743** 18.87	**.359** 9.12	**.406** 10.31	**.051** 1.30	**.172** 4.37	—	324061*	—
		C	**.933** 23.70	**.696** 17.68	**.359** 9.12	**.469** 11.91	**.051** 1.30	**.172** 4.37	—	32996*	—
	10	C	**.933** 23.70	**.696** 17.68	**.359** 9.12	**.469** 11.91	**.051** 1.30	**.172** 4.37	—	33460* 2-33460-2*[1] 2-33460-3*[2]	—
		C	**.949** 24.10	**.743** 18.87	**.359** 9.12	**.406** 10.31	**0.51** 1.30	**.172** 4.37	—	31807 2-31807-2*[2]	—
	1/4 M6	C	**.933** 23.70	**.696** 17.68	**.359** 9.12	**.469** 11.91	**.051** 1.30	**.172** 4.37	—	33461* 2-33461-2*[1] 2-33461-3*[2]	—
		A	**1.168** 29.67	**.868** 22.05	**.531** 13.49	**.594** 15.09	**.051** 1.30	**.172** 4.37	—	35247*	—
	5/16 M8	A	**1.168** 29.67	**.868** 22.05	**.531** 13.49	**.594** 15.09	**.051** 1.30	**.172** 4.37	—	33462* 2-33462-1[2]	—
		A	**1.074** 27.28	**.790** 20.07	**.406** 10.31	**.562** 14.27	**.051** 1.30	**.172** 4.37	—	31808*	—
		C	**.933** 23.70	**.696** 17.68	**.359** 9.12	**.469** 11.91	**.051** 1.30	**.172** 4.37	—	55991-1 55991-2	—
	3/8	A	**1.168** 29.67	**.868** 22.05	**.531** 13.49	**.594** 15.09	**.051** 1.30	**.172** 4.37	—	33463*	—
		A	**1.965** 49.91	**1.337** 33.96	**1.000** 25.40	**1.250** 31.75	**.051** 1.30	**.172** 4.37	—	36499	—
	1/2 M12	A	**1.965** 49.91	**1.337** 33.96	**1.000** 25.40	**1.250** 31.75	**.051** 1.30	**.172** 4.37	—	35664*	—
	5/8 M16	A	**1.965** 49.91	**1.337** 33.96	**1.000** 25.40	**1.250** 31.75	**.051** 1.30	**.172** 4.37	—	35665	—
	3/4	A	**1.965** 49.91	**1.337** 33.96	**1.000** 25.40	**1.250** 31.75	**.051** 1.30	**.172** 4.37	—	35666	—

Note: Part numbers are shown as loose piece over tape mounted product.
*Part numbers are available in small quantity packages.
[1]Requires a 69875 standard TAPETRONIC machine for application.
[2]Requires a 68250-1 Heavy Duty TAPETRONIC machine for application.
[3]Requires a 68250-1 Heavy Duty TAPETRONIC and 68242-2 die set for application.

Ring Tongue Terminals (Continued)

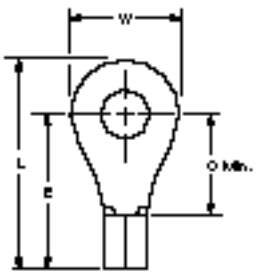
Wire Size Range

AWG 6 to 4,
CMA 20,800 to 52,600
[10.5 to 26.7 mm²]

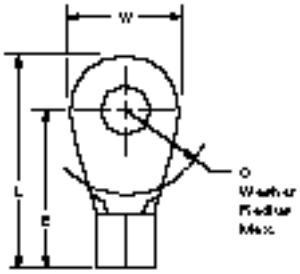
Material

Terminal Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



A



C

Wire Size Circular Mils [mm²]	Stud Size	Style	Dimensions L Max.	Dimensions E Max.	Dimensions C	Dimensions W	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Part Numbers Solistrand
6 20,800–33,100 [10.5–16.8]	10	C	**1.181** 30.00	**.931** 23.65	**.531** 13.49	**.406** 10.31	**.060** 1.52	**.232** 5.89	52197* 52197-1
		C	**1.181** 30.00	**.984** 24.99	**.584** 14.83	**.406** 10.31	**.060** 1.52	**.232** 5.89	53106-1
		C	**1.246** 31.65	**.931** 23.65	**.531** 13.49	**.625** 15.88	**.060** 1.52	**.232** 5.89	33464*
		C	**1.168** 29.67	**.931** 23.65	**.531** 13.49	**.468** 11.89	**.060** 1.52	**.232** 5.89	321298* 2-321298-6
	1/4 M6	C	**1.246** 31.65	**.931** 23.65	**.531** 13.49	**.625** 15.88	**.060** 1.52	**.232** 5.89	33465* 2-33465-1
		C	**1.168** 29.67	**.931** 23.65	**.531** 13.49	**.468** 11.89	**.060** 1.52	**.232** 5.89	321598* 2-321598-3
	5/16 M8	C	**1.246** 31.65	**.931** 23.65	**.531** 13.49	**.625** 15.88	**.060** 1.52	**.232** 5.89	33466* 2-33466-3
	3/8	C	**1.246** 31.65	**.931** 23.65	**.531** 13.49	**.625** 15.88	**.060** 1.52	**.232** 5.89	33467* 2-33467-3
		A	**2.033** 51.64	**1.400** 35.56	**1.000** 25.40	**1.250** 31.75	**.060** 1.52	**.232** 5.89	36807
	7/16	C	**1.246** 31.65	**.931** 23.65	**.531** 13.49	**.625** 15.88	**.060** 1.52	**.232** 5.89	320745
	1/2 M12	C	**1.840** 46.74	**1.400** 35.56	**1.000** 25.40	**.875** 22.23	**.060** 1.52	**.232** 5.89	320344*
		A	**2.033** 51.64	**1.400** 35.56	**1.000** 25.40	**1.250** 31.75	**.060** 1.52	**.232** 5.89	36808
	5/8	A	**2.033** 51.64	**1.400** 35.56	**1.000** 25.40	**1.250** 31.75	**.060** 1.52	**.232** 5.89	36809
	3⁄4	A	**2.033** 51.64	**1.400** 35.56	**1.000** 25.40	**1.250** 31.75	**.060** 1.52	**.232** 5.89	36810
4 33,100–52,600 [16.8–26.7]	10	A	**1.314** 33.38	**.978** 24.84	**.516** 13.11	**.656** 16.66	**.073** 1.85	**.296** 7.52	33468*
		C	**1.199** 30.45	**.946** 24.03	**.437** 11.10	**.500** 12.70	**.073** 1.85	**.280** 7.11	33114
	1/4 M6	A	**1.314** 33.38	**.978** 24.84	**.516** 13.11	**.656** 16.66	**.073** 1.85	**.296** 7.52	33469*
		C	**1.199** 30.45	**.946** 24.03	**.437** 11.10	**.500** 12.70	**.073** 1.85	**.280** 7.11	2-31811-4
	5/16 M8	A	**1.314** 33.38	**.978** 24.84	**.516** 13.11	**.656** 16.66	**.073** 1.85	**.296** 7.52	33470*
		C	**1.324** 33.63	**1.009** 25.63	**.500** 12.70	**.625** 15.88	**.073** 1.85	**.280** 7.11	33115
	3/8	A	**1.314** 33.38	**.978** 24.84	**.516** 13.11	**.656** 16.66	**.073** 1.85	**.296** 7.52	33471*
		A	**2.090** 53.09	**1.462** 37.13	**1.000** 25.40	**1.250** 31.75	**.073** 1.85	**.296** 7.52	36815
		C	**1.902** 48.31	**1.462** 37.13	**1.000** 25.40	**.875** 22.23	**.073** 1.85	**.296** 7.52	322704
		C	**1.324** 33.63	**1.009** 25.63	**.500** 12.70	**.625** 15.88	**.073** 1.85	**.280** 7.11	31812

Note: Part numbers are shown as loose piece over tape mounted product.
*Part numbers are available in small quantity packages.
semi-automatic pneumatic crimping system.

Ring Tongue Terminals (Continued)

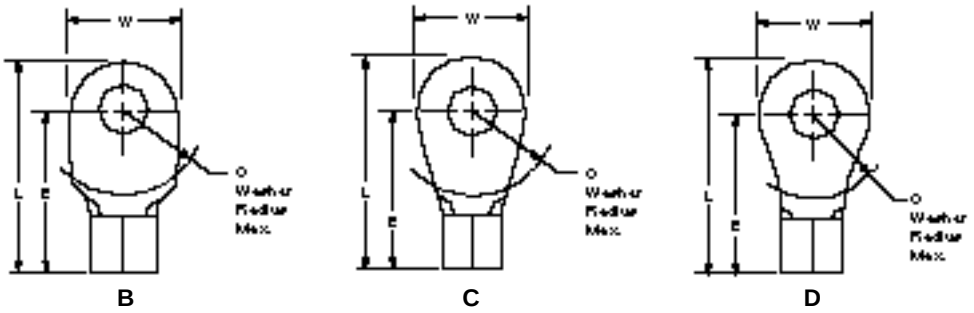
Wire Size Range

**AWG 4 to 1/0,
CMA 33,100 to 119,500
[16.8 to 60.6 mm²]**

Material

Terminal Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



B C D

Wire Size Circular Mils [mm²]	Stud Size	Style	Dimensions L Max.	E Max.	C	W	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Part Numbers Solistrand
4 33,100–52,600 [16.8–26.7]	7/16	A**	**1.314** 33.38	**.978** 24.84	**.516** 13.11	**.656** 16.66	**.073** 1.85	**.296** 7.52	320743
	1/2 M12	A**	**2.090** 53.09	**1.462** 37.13	**1.000** 25.40	**1.250** 31.75	**.073** 1.85	**.296** 7.52	35668*
		B	**1.902** 48.31	**1.462** 37.13	**1.000** 25.40	**.875** 22.23	**.073** 1.85	**.296** 7.52	327175*
	5/8 M16	A**	**2.090** 53.09	**1.462** 37.13	**1.000** 25.40	**1.250** 31.75	**.073** 1.85	**.296** 7.52	35669
	3/4	A**	**2.090** 53.09	**1.462** 37.13	**1.000** 25.40	**1.250** 31.75	**.073** 1.85	**.296** 7.52	35670
2 52,600–83,700 [26.7–42.4]	10	B	**1.527** 38.79	**1.212** 30.78	**.531** 13.49	**.625** 15.88	**.073** 1.85	**.370** 9.40	330301
	1/4 M6	B	**1.527** 38.79	**1.212** 30.78	**.531** 13.49	**.625** 15.88	**.073** 1.85	**.370** 9.40	320383*
		D	**1.657** 42.09	**1.212** 30.78	**.531** 13.49	**.890** 22.61	**.073** 1.85	**.370** 9.40	320138
	5/16 M8	D	**1.657** 42.09	**1.212** 30.78	**.531** 13.49	**.890** 22.61	**.073** 1.85	**.370** 9.40	35183
		B	**1.527** 38.79	**1.212** 30.78	**.531** 13.49	**.625** 15.88	**.073** 1.85	**.370** 9.40	322870*
	3/8	B	**1.527** 38.79	**1.212** 30.78	**.531** 13.49	**.625** 15.88	**.073** 1.85	**.370** 9.40	321600*
		D	**1.657** 42.09	**1.212** 30.78	**.531** 13.49	**.890** 22.61	**.073** 1.85	**.370** 9.40	35184
	7/16	D	**1.657** 42.09	**1.212** 30.78	**.531** 13.49	**.890** 22.61	**.073** 1.85	**.370** 9.40	320741
	1/2 M12	D	**1.657** 42.09	**1.212** 30.78	**.531** 13.49	**.890** 22.61	**.073** 1.85	**.370** 9.40	35185*
		D	**2.516** 63.91	**1.888** 47.96	**1.125** 28.58	**1.250** 31.75	**.073** 1.85	**.370** 9.40	323291
	5/8 M16	D	**2.516** 63.91	**1.888** 47.96	**1.125** 28.58	**1.250** 31.75	**.073** 1.85	**.370** 9.40	320754
	3/4	D	**2.516** 63.91	**1.888** 47.96	**1.125** 28.58	**1.250** 31.75	**.073** 1.85	**.370** 9.40	320755
1/0 83,700–119,500 [42.4–60.6]	1/4 M6	C	**1.956** 49.68	**1.529** 38.84	**.625** 15.88	**.875** 22.23	**.073** 1.85	**.444** 11.28	36915
		C	**1.925** 48.90	**1.532** 38.91	**.625** 15.88	**.807** 20.50	**.073** 1.85	**.444** 11.28	321866
	5/16 M8	C	**1.956** 49.68	**1.529** 38.84	**.625** 15.88	**.875** 22.23	**.073** 1.85	**.444** 11.28	36916*
		C	**1.925** 48.90	**1.532** 38.91	**.625** 15.88	**.807** 20.50	**.073** 1.85	**.444** 11.28	321867*
	3/8	C	**1.956** 49.68	**1.529** 38.84	**.625** 15.88	**.875** 22.23	**.073** 1.85	**.444** 11.28	36917*
		C	**1.925** 48.90	**1.532** 38.91	**.625** 15.88	**.807** 20.50	**.073** 1.85	**.444** 11.28	321868
	7/16	C	**1.956** 49.68	**1.529** 38.84	**.625** 15.88	**.875** 22.23	**.073** 1.85	**.444** 11.28	36918

*Part numbers are available in small quantity packages.
** See style A art on preceding page.

Ring Tongue Terminals (Continued)

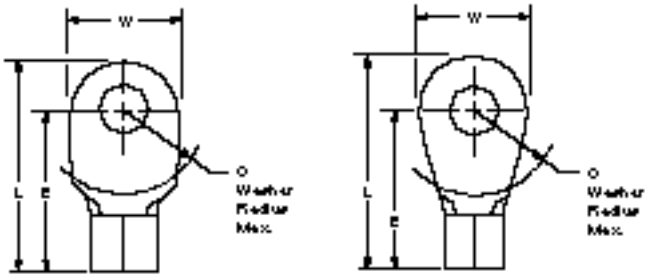
Wire Size Range

AWG 1/0 to 3/0,
CMA 83,700 to 190,000
[42.4 to 96.3 mm²]

Material

Terminal Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



B C

Wire Size Circular Mils [mm²]	Stud Size	Style	Dimensions L Max.	E Max.	C	W	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Part Numbers Solistrand
1/0 83,700–119,500 [42.4–60.6]	1/2 M12	C	**1.956** 49.68	**1.529** 38.84	**.625** 15.88	**.875** 22.23	**.073** 1.85	**.444** 11.28	36919*
		C	**2.678** 68.02	**2.063** 52.40	**1.125** 28.58	**1.265** 32.13	**.073** 1.85	**.444** 11.28	322291
	5/8 M16	C	**2.678** 68.02	**2.063** 52.40	**1.125** 28.58	**1.265** 32.13	**.073** 1.85	**.444** 11.28	320744
	3/4	C	**2.678** 68.02	**2.063** 52.40	**1.125** 28.58	**1.265** 32.13	**.073** 1.85	**.444** 11.28	320748
2/0 119,500–150,500 [60.6–76.3]	1/4 M6	C	**1.930** 49.02	**1.550** 39.37	**.625** 15.88	**.926** 23.52	**.083** 2.11	**.504** 12.80	321869
		C	**2.000** 50.80	**1.545** 39.24	**.625** 15.88	**.946** 24.03	**.083** 2.11	**.504** 12.80	36921
	5/16 M8	C	**1.930** 49.02	**1.550** 39.37	**.625** 15.88	**.926** 23.52	**.083** 2.11	**.504** 12.80	321870*
		C	**2.000** 50.80	**1.545** 39.24	**.625** 15.88	**.946** 24.03	**.083** 2.11	**.504** 12.80	36922
	3/8	C	**1.930** 49.02	**1.550** 39.37	**.625** 15.88	**.926** 23.52	**.083** 2.11	**.504** 12.80	321871*
		C	**2.000** 50.80	**1.545** 39.24	**.625** 15.88	**.946** 24.03	**.083** 2.11	**.504** 12.80	36923*
	7/16	C	**1.930** 49.02	**1.550** 39.37	**.625** 15.88	**.926** 23.52	**.083** 2.11	**.504** 12.80	321872
	1/2 M12	C	**1.930** 49.02	**1.550** 39.37	**.625** 15.88	**.926** 23.52	**.083** 2.11	**.504** 12.80	321873*
		C	**2.000** 50.80	**1.545** 39.24	**.625** 15.88	**.946** 24.03	**.083** 2.11	**.504** 12.80	36925*
		C	**2.671** 67.84	**2.056** 52.22	**1.125** 28.58	**1.270** 32.26	**.083** 2.11	**.504** 12.80	322391
	5/8 M16	C	**2.671** 67.84	**2.056** 52.22	**1.125** 28.58	**1.270** 32.26	**.083** 2.11	**.504** 12.80	322224
	3/4	C	**2.671** 67.84	**2.056** 52.22	**1.125** 28.58	**1.270** 32.26	**.083** 2.11	**.504** 12.80	322225
3/0 150,500–190,000 [76.3–96.3]	1/4	B	**2.112** 53.64	**1.622** 41.20	**.625** 15.88	**1.020** 25.91	**.094** 2.39	**.565** 14.35	323868
	5/16 M8	B	**2.112** 53.64	**1.622** 41.20	**.625** 15.88	**1.020** 25.91	**.094** 2.39	**.565** 14.35	321874
		B	**2.143** 54.43	**1.643** 41.73	**.625** 15.88	**1.082** 27.48	**.094** 2.39	**.565** 14.35	320266
	3/8	B	**2.112** 53.64	**1.622** 41.20	**.625** 15.88	**1.020** 25.91	**.094** 2.39	**.565** 14.35	321875*
		B	**2.143** 54.43	**1.643** 41.73	**.625** 15.88	**1.082** 27.48	**.094** 2.39	**.565** 14.35	36927*
	7/16	B	**2.112** 53.64	**1.622** 41.20	**.625** 15.88	**1.020** 25.91	**.094** 2.39	**.565** 14.35	321876

*Part numbers are available in small quantity packages.

Ring Tongue Terminals (Continued)

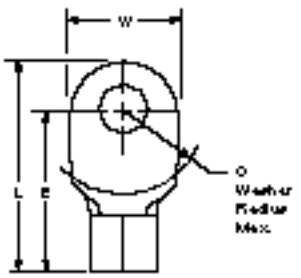
Wire Size Range

**AWG 3/0 to 300 MCM,
CMA 150,500 to 300,000
[76.3 to 152 mm²]**

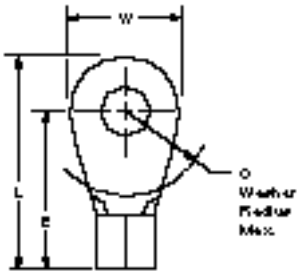
Material

Terminal Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



B



C

Wire Size Circular Mils [mm²]	Stud Size	Style	Dimensions L Max.	Dimensions E Max.	Dimensions C	Dimensions W	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Part Numbers Solistrand
3/0 150,500–190,000 [76.3–96.3]	1/2 M12	B	**2.143** 54.43	**1.643** 41.73	**.625** 15.88	**1.082** 27.48	**.094** 2.39	**.565** 14.35	36929*
		B	**2.112** 53.64	**1.622** 41.20	**.625** 15.88	**1.020** 25.91	**.094** 2.39	**.565** 14.35	321877*
	5/8 M16	C	**2.699** 68.55	**2.084** 52.93	**1.125** 28.58	**1.270** 32.26	**.094** 2.39	**.565** 14.35	322222
		B	**2.143** 54.43	**1.643** 41.73	**.625** 15.88	**1.082** 27.48	**.094** 2.39	**.565** 14.35	36930
	3/4	C	**2.699** 68.55	**2.084** 52.93	**1.125** 28.58	**1.270** 32.26	**.094** 2.39	**.565** 14.35	322223
4/0 190,000–231,000 [96.3–117]	1/4 M6	B	**2.206** 56.03	**1.644** 41.76	**.625** 15.88	**1.150** 29.21	**.105** 2.67	**.635** 16.13	2-36932-2
	5/16 M8	B	**2.537** 64.44	**1.985** 50.42	**1.078** 27.38	**1.150** 29.21	**.105** 2.67	**.635** 16.13	321271
	3/8	B	**2.206** 56.03	**1.644** 41.76	**.625** 15.88	**1.150** 29.21	**.105** 2.67	**.635** 16.13	36932
		B	**2.178** 55.32	**1.657** 42.09	**.625** 15.88	**1.087** 27.61	**.105** 2.67	**.635** 16.13	321878*
	7/16	B	**2.178** 55.32	**1.657** 42.09	**.625** 15.88	**1.087** 27.61	**.105** 2.67	**.635** 16.13	321879
	1/2 M12	B	**2.178** 55.32	**1.657** 42.09	**.625** 15.88	**1.087** 27.61	**.105** 2.67	**.635** 16.13	321880*
		B	**2.206** 56.03	**1.644** 41.76	**.625** 15.88	**1.150** 29.21	**.105** 2.67	**.635** 16.13	36934*
		B	**2.537** 64.44	**1.985** 50.42	**1.078** 27.38	**1.150** 29.21	**.105** 2.67	**.635** 16.13	321163
	5/8 M16	B	**2.206** 56.03	**1.644** 41.76	**.625** 15.88	**1.150** 29.21	**.105** 2.67	**.635** 16.13	36935
		C	**2.732** 69.39	**2.117** 53.77	**1.078** 27.38	**1.275** 32.39	**.105** 2.67	**.635** 16.13	322227
	3/4	C	**2.732** 69.39	**2.117** 53.77	**1.078** 27.38	**1.275** 32.39	**.105** 2.67	**.635** 16.13	322228
	7/8 M22	C	**2.732** 69.39	**2.117** 53.77	**1.078** 27.38	**1.275** 32.39	**.105** 2.67	**.635** 16.13	321625
250–300 MCM 231,000–300,000 [117–152]	3/8	B	**2.602** 66.09	**1.987** 50.47	**.625** 15.88	**1.435** 36.45	**.130** 3.30	**.753** 19.13	322252
	7/16	B	**2.602** 66.09	**1.987** 50.47	**.625** 15.88	**1.435** 36.45	**.130** 3.30	**.753** 19.13	322253
	1/2 M12	B	**2.602** 66.09	**1.987** 50.47	**.625** 15.88	**1.435** 36.45	**.130** 3.30	**.753** 19.13	322254
	5/8 M16	B	**2.602** 66.09	**1.987** 50.47	**.625** 15.88	**1.435** 36.45	**.130** 3.30	**.753** 19.13	323050
	3/4	B	**3.259** 82.78	**2.566** 65.18	**1.203** 30.56	**1.435** 36.45	**.130** 3.30	**.753** 19.13	323140
	1	B	**3.259** 82.78	**2.566** 65.18	**1.203** 30.56	**1.435** 36.45	**.130** 3.30	**.753** 19.13	323034

*Part numbers are available in small quantity packages.

Ring Tongue Terminals (Continued)

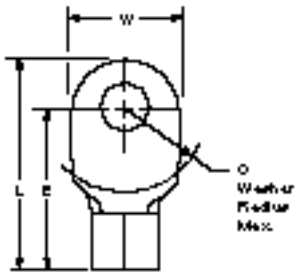
Wire Size Range

300 to 600 MCM, CMA 300,000 — 600,000 [152 to 304 mm²]

Material

Terminal Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



B

Wire Size Circular Mils [mm²]	Stud Size	Style	Dimensions L Max.	E Max.	C	W	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Part Numbers Solistrand
300–350 MCM 300,000–380,000 [152–193]	3/8	B	**2.671** 67.84	**2.056** 52.22	**.625** 15.88	**1.545** 39.24	**.140** 3.56	**.819** 20.80	322257
		B	**3.422** 86.92	**2.675** 67.95	**1.250** 31.75	**1.545** 39.24	**.140** 3.56	**.819** 20.80	322763
	7/16	B	**2.671** 67.84	**2.056** 52.22	**.625** 15.88	**1.545** 39.24	**.140** 3.56	**.819** 20.80	322258
	1/2 M12	B	**2.671** 67.84	**2.056** 52.22	**.625** 15.88	**1.545** 39.24	**.140** 3.56	**.819** 20.80	322259
		B	**3.422** 86.92	**2.675** 67.95	**1.250** 31.75	**1.545** 39.24	**.140** 3.56	**.819** 20.80	322764
	5/8	B	**2.671** 67.84	**2.065** 52.22	**.625** 15.88	**1.545** 39.24	**.140** 3.56	**.819** 20.80	324105
	3/4	B	**3.422** 86.92	**2.675** 67.95	**1.250** 31.75	**1.545** 39.24	**.140** 3.56	**.819** 20.80	322428
400 MCM 380,000–478,000 [193–242]	3/8	B	**2.790** 70.87	**2.175** 55.25	**.625** 15.88	**1.749** 44.42	**.158** 4.01	**.930** 23.62	322262
	7/16	B	**2.790** 70.87	**2.175** 55.25	**.625** 15.88	**1.749** 44.42	**.158** 4.01	**.930** 23.62	322263
	1/2 M12	B	**2.790** 70.87	**2.175** 55.25	**.625** 15.88	**1.749** 44.42	**.158** 4.01	**.930** 23.62	322264
		B	**3.644** 92.56	**2.795** 70.99	**1.250** 31.75	**1.749** 44.42	**.158** 4.01	**.930** 23.62	327882
	5/8 M16	B	**2.790** 70.87	**2.175** 55.25	**.625** 15.88	**1.749** 44.42	**.158** 4.01	**.930** 23.62	324202
	3/4	B	**3.644** 92.56	**2.795** 70.99	**1.250** 31.75	**1.749** 44.42	**.158** 4.01	**.930** 23.62	323222
	1	B	**3.644** 92.56	**2.795** 70.99	**1.250** 31.75	**1.749** 44.42	**.158** 4.01	**.930** 23.62	322939
500–600 MCM 478,000–600,000 [242–304]	3/8	B	**3.187** 80.95	**2.447** 62.15	**.750** 19.05	**2.015** 51.18	**.182** 4.62	**1.075** 27.31	322267
		B	**4.176** 106.07	**3.194** 81.13	**1.500** 38.10	**2.015** 51.18	**.182** 4.62	**1.075** 27.31	322772
	1/2 M12	B	**3.187** 80.95	**2.447** 62.15	**.750** 19.05	**2.015** 51.18	**.182** 4.62	**1.075** 27.31	322269
		B	**4.176** 106.07	**3.194** 81.13	**1.500** 38.10	**2.015** 51.18	**.182** 4.62	**1.075** 27.31	322773
	5/8 M16	B	**3.187** 80.95	**2.447** 62.15	**.750** 19.05	**2.015** 51.18	**.182** 4.62	**1.075** 27.31	322270
	3/4	B	**4.176** 106.07	**3.194** 81.13	**1.500** 38.10	**2.015** 51.18	**.182** 4.62	**1.075** 27.31	322271
	1	B	**4.176** 106.07	**3.194** 81.13	**1.500** 38.10	**2.015** 51.18	**.182** 4.62	**1.075** 27.31	322273

For drawings, technical data or samples, contact your AMP sales engineer or call the AMP Technical Support Center 1-800-522-6752.
Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.
Specifications subject to change. Consult AMP for latest specifications.

Right Angle Ring Tongue Terminals

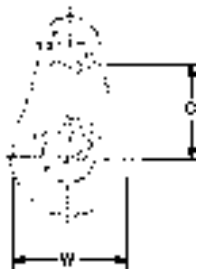
Wire Size Range

**AWG 22 to 300 MCM,
CMA 509 — 300,000
[0.26 to 152 mm²]**

Material

Terminal Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



Wire Size Circular Mils [mm²]	Stud Size	Dimensions C Min.	Dimensions W	Material Thickness Max.	Wire Barrel ID Min	Part Numbers
22-16 509-3,260 [0.26-1.65]	6	**.171** 4.34	**.281** 7.14	**.033** .838	**.061** 1.55	321262
	10	**.187** 4.75	**.312** 7.92	**.033** .838	**.061** 1.55	322768
16-14 2,050-5,180 [1.04-2.62]	8	**.185** 4.70	**.343** 8.71	**.050** 1.27	**.105** 2.67	184269
	10	**.192** 4.88	**.343** 8.71	**.033** .838	**.085** 2.16	322821
8 13,100-20,800 [6.64-10.5]	1/4	**.432** 10.97	**.594** 15.09	**.051** 1.30	**.172** 4.37	35277
6 20,800-33,100 [10.5-16.8]	1/4	**.390** 9.91	**.625** 15.88	**.060** 1.52	**.232** 5.89	35678
	5/16	**.390** 9.91	**.625** 15.88	**.060** 1.52	**.232** 5.89	33466-1
4 33,100-52,600 [16.8-26.7]	1/4	**.375** 9.53	**.656** 16.66	**.073** 1.85	**.296** 7.52	35625
	5/16	**.348** 8.84	**.625** 15.88	**.073** 1.85	**.280** 7.11	33115-1
	3/8	**.348** 8.84	**.625** 15.88	**.073** 1.85	**.280** 7.11	31812-1
2 52,600-83,700 [26.7-42.4]	5/16	**.422** 10.72	**.625** 15.88	**.073** 1.85	**.370** 9.40	322870-1
1/0 83,700-119,500 [42.4-60.6]	1/4	**.437** 11.10	**.807** 20.50	**.073** 1.85	**.444** 11.28	322905
	5/16	**.531** 13.49	**.807** 20.50	**.073** 1.85	**.444** 11.28	321867-1
	3/8	**.531** 13.49	**.807** 20.50	**.073** 1.85	**.444** 11.28	322906
	1/2	**.531** 13.49	**.875** 22.23	**.073** 1.85	**.444** 11.28	322909
2/0 119,500-150,500 [60.6-76.3]	5/16	**.500** 12.70	**.946** 24.03	**.083** 2.11	**.504** 12.80	36922-1
	3/8	**.531** 13.49	**.926** 23.52	**.083** 2.11	**.504** 12.80	322912
3/0 150,500-190,000 [76.3-96.3]	5/16	**.531** 13.49	**1.020** 25.91	**.094** 2.39	**.565** 14.35	321874-1
	3/8	**.468** 11.89	**1.082** 27.48	**.094** 2.39	**.565** 14.35	324035
	1/2	**.468** 11.89	**1.062** 26.97	**.094** 2.39	**.565** 14.35	36929-1
4/0 190,000-231,000 [96.3-117]	5/16	**.750** 19.05	**1.150** 29.21	**.105** 2.67	**.635** 16.13	321272
	3/8	**.484** 12.29	**1.140** 28.96	**.105** 2.67	**.635** 16.13	321265
250-300 MCM 231,000-300,000 [117-152]	1/2	**.863** 21.92	**1.435** 36.45	**.129** 3.28	**.753** 19.13	324023

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Specifications subject to change. Consult AMP for latest specifications.

Heavy Duty Ring Tongue Terminals

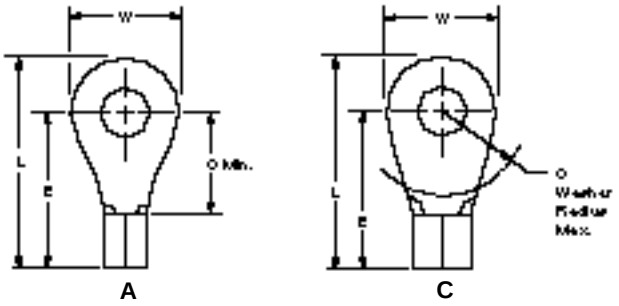
Wire Size Range

**AWG 16 to 8,
CMA 2,050 to 20,800
[1.04 to 10.5 mm²]**

Material

Terminal Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



A C

Wire Size Circular Mils [mm²]	Stud Size	Style	Dimensions L Max.	Dimensions E Max.	Dimensions C	Dimensions W	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Wire Barrel I.D. Min. Budget	Part Numbers Solistrand	Part Numbers Budget
16–14 2,050–5,180 [1.04–2.62]	4	A	**.630** 16.00	**.487** 12.37	**.219** 5.56	**.281** 7.14	**.050** 1.27	—	**.110** 2.79	—	33728
	6 M3.5	A	**.630** 16.00	**.487** 12.37	**.219** 5.56	**.281** 7.14	**.050** 1.27	—	**.110** 2.79	—	33729
		A	**.723** 18.36	**.549** 13.94	**.281** 7.14	**.343** 8.71	**.050** 1.27	**.105** 2.67	**.110** 2.79	322833	33716
	8 M4	A	**.723** 18.36	**.549** 13.94	**.281** 7.14	**.343** 8.71	**.050** 1.27	**.105** 2.67	**.110** 2.79	35432	33717
	10	A	**.723** 18.36	**.549** 13.94	**.281** 7.14	**.343** 8.71	**.050** 1.27	**.105** 2.67	**.110** 2.79	34567* 2-34567-1	33718
		A	**.865** 21.97	**.612** 15.54	**.344** 8.74	**.500** 12.70	**.050** 1.27	—	**.110** 2.79	—	34967
		A	**.973** 24.71	**.705** 17.91	**.437** 11.10	**.531** 13.49	**.050** 1.27	—	**.110** 2.79	—	33646
	1/4 M6	A	**.865** 21.97	**.612** 15.54	**.344** 8.74	**.500** 12.70	**.050** 1.27	**.105** 2.67	**.110** 2.79	35775* 2-35775-1	34968
		A	**.973** 24.71	**.705** 17.91	**.437** 11.10	**.531** 13.49	**.050** 1.27	—	**.110** 2.79	—	33195
	5/16 M8	A	**.865** 21.97	**.612** 15.54	**.344** 8.74	**.500** 12.70	**.050** 1.27	**.105** 2.67	**.110** 2.79	35776	34969
		A	**.973** 24.71	**.705** 17.91	**.437** 11.10	**.531** 13.49	**.050** 1.27	—	**.110** 2.79	—	33647
	3/8	A	**.973** 24.71	**.705** 17.91	**.437** 11.10	**.531** 13.49	**.050** 1.27	**.105** 2.67	**.110** 2.79	322832	33648
		A	**1.271** 32.28	**.893** 22.68	**.625** 15.88	**.750** 19.05	**.050** 1.27	**.105** 2.67	**.110** 2.79	327732	34829
	1/2 M12	A	**1.271** 32.28	**.893** 22.68	**.625** 15.88	**.750** 19.05	**.050** 1.27	**.105** 2.67	**.110** 2.79	321165*	34830
		A	**1.896** 48.16	**1.268** 32.21	**1.000** 25.40	**1.250** 31.75	**.050** 1.27	—	**.110** 2.79	—	36199
	5/8 M16	A	**1.896** 48.16	**1.268** 32.21	**1.000** 25.40	**1.250** 31.75	**.050** 1.27	**.105** 2.67	**.110** 2.79	320758	36200
	3/4	A	**1.896** 48.16	**1.268** 32.21	**1.000** 25.40	**1.250** 31.75	**.050** 1.27	**.105** 2.67	**.110** 2.79	320759	36201
8 13,100–20,800 [6.64–10.5]	10	C	**1.273** 32.33	**.977** 24.82	**.443** 11.25	**.587** 14.91	**.095** 2.41	**.177** 4.50	—	331414	—
	1/4 M6	C	**.949** 24.10	**.696** 17.68	**.240** 6.10	**.500** 12.70	**.095** 2.41	**.177** 4.50	—	330968	—
		C	**.933** 23.70	**.696** 17.68	**.250** 6.35	**.468** 11.89	**.095** 2.41	**.177** 4.50	—	332042	—
	5/16 M8	C	**1.273** 32.33	**.977** 24.82	**.443** 11.25	**.587** 14.91	**.095** 2.41	**.177** 4.50	—	1-331414-1	—

Note: Part numbers are shown as loose piece over tape mounted product.
*Part numbers are available in small quantity packages.

Heavy Duty Ring Tongue Terminals (Continued)

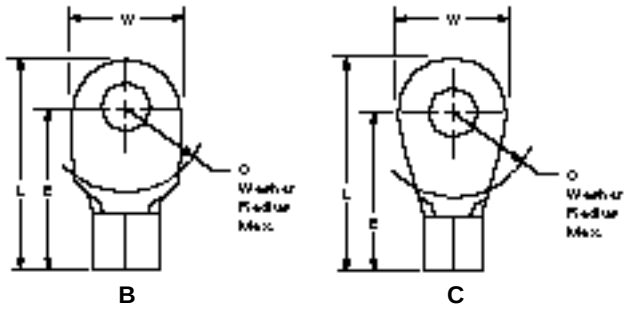
Wire Size Range

AWG 6 to 1/0,
CMA 20,800 to 119,500
[10.5 to 60.6 mm²]

Material

Terminal Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



B C

Wire Size Circular Mils [mm²]	Stud Size	Style	Dimensions L Max.	E Max.	C	W	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Part Numbers Solistrand
6 20,800–33,100 [10.5–16.8]	10	B	**1.184** 30.07	**.931** 23.65	**.370** 9.40	**.500** 12.70	**.095** 2.41	**.232** 5.89	2-330969-1
	1/4 M6	B	**1.184** 30.07	**.931** 23.65	**.370** 9.40	**.500** 12.70	**.095** 2.41	**.232** 5.89	330969
		C	**1.415** 35.94	**1.100** 27.94	**.454** 11.53	**.625** 15.88	**.095** 2.41	**.232** 5.89	331417
	3/8	C	**1.415** 35.94	**1.100** 27.94	**.454** 11.53	**.625** 15.88	**.095** 2.41	**.232** 5.89	1-331417-1
4 33,100–52,600 [16.8–26.7]	1/4 M6	B	**1.230** 31.24	**.977** 24.82	**.390** 9.91	**.500** 12.70	**.095** 2.41	**.296** 7.52	330970
		C	**1.535** 38.99	**1.193** 30.30	**.456** 11.58	**.679** 17.25	**.095** 2.41	**.296** 7.52	331420
	5/16 M8	C	**1.535** 38.99	**1.193** 30.30	**.456** 11.58	**.679** 17.25	**.095** 2.41	**.296** 7.52	1-331420-0
	3/8	C	**1.535** 38.99	**1.193** 30.30	**.456** 11.58	**.679** 17.25	**.095** 2.41	**.296** 7.52	1-331420-1
2 52,600–83,700 [26.7–42.4]	3/8	C	**1.745** 44.32	**1.315** 33.40	**.639** 16.23	**.855** 21.72	**.095** 2.41	**.375** 9.53	1-331423-0
	1/2 M12	C	**1.745** 44.32	**1.315** 33.40	**.639** 16.23	**.855** 21.72	**.095** 2.41	**.375** 9.53	1-331423-1
1/0 83,700–119,500 [42.4–60.6]	3/8	B	**1.928** 48.97	**1.519** 38.58	**.691** 17.55	**.822** 20.88	**.095** 2.41	**.439** 11.15	1-331880-0
	1/2 M12	B	**1.928** 48.97	**1.519** 38.58	**.691** 17.55	**.822** 20.88	**.095** 2.41	**.439** 11.15	1-331880-1

For drawings, technical data or samples, contact your AMP sales engineer or call the AMP Technical Support Center 1-800-522-6752.
Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.
Specifications subject to change. Consult AMP for latest specifications.

Rectangular Tongue Terminals

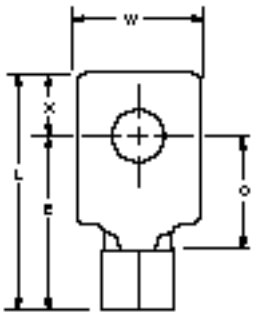
Wire Size Range

**AWG 22 to 14,
CMA 509 to 5,180
[0.26 to 2.62 mm²]**

Material

Terminal Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



Wire Size Circular Mils [mm²]	Stud Size	Dimensions L Max.	E Max.	C Min.	W	X	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Wire Barrel I.D. Min. Budget	Part Numbers Solistrand	Part Numbers Budget
22-16 509–3,260 [0.26–1.65]	2 M2	**.551** 14.00	**.431** 10.95	**.250** 6.35	**.182** 4.62	**.115** 2.92	**.033** 0.84	—	**.065** 1.65	—	320870
	4	**.529** 13.44	**.384** 9.75	**.203** 5.16	**.213** 5.41	**.140** 3.56	**.033** 0.84	—	**.065** 1.65	—	32579
		.670 17.02	**.517** 13.13	**.237** 6.02	**.237** 6.02	**.143** 3.63	**.033** 0.84	**.061** 1.55	**.065** 1.65	328363	328349
		.551 14.00	**.431** 10.95	**.250** 6.35	**.182** 4.62	**.115** 2.92	**.033** 0.84	**.061** 1.55	**.065** 1.65	323119	322408
	6 M3.5	**.811** 20.60	**.606** 15.39	**.404** 10.26	**.237** 6.02	**.195** 4.95	**.033** 0.84	—	**.065** 1.65	—	327955
		.982 24.94	**.745** 18.92	**.465** 11.81	**.302** 7.67	**.227** 5.77	**.033** 0.84	**.061** 1.55	**.065** 1.65	328353	328339
		.670 17.02	**.462** 11.73	**.281** 7.14	**.312** 7.92	**.203** 5.16	**.033** 0.84	**.061** 1.55	**.065** 1.65	323112	321691
	8 M4	**.982** 24.94	**.745** 18.92	**.465** 11.81	**.302** 7.67	**.227** 5.77	**.033** 0.84	**.061** 1.55	**.065** 1.65	328355	328341
	10	**.748** 19.00	**.540** 13.72	**.281** 7.14	**.312** 7.92	**.203** 5.16	**.033** 0.84	**.061** 1.55	—	330539	—
		.670 17.02	**.462** 11.73	**.281** 7.14	**.375** 9.53	**.203** 5.16	**.033** 0.84	**.061** 1.55	**.065** 1.65	323106 2-323106-1	34525
		.546 13.87	**.399** 10.13	**.218** 5.54	**.344** 8.74	**.142** 3.61	**.033** 0.84	**.061** 1.55	**.065** 1.65	34459	31821
16–14 2,050–5,180 [1.04–2.62]	4	**.576** 14.63	**.462** 11.73	**.281** 7.14	**.215** 5.46	**.109** 2.77	**.033** 0.84	—	**.089** 2.26	—	31691
	5 M3	**.632** 16.05	**.479** 12.17	**.277** 7.04	**.277** 7.04	**.143** 3.63	**.033** 0.84	—	**.089** 2.26	—	327951
	6 M3.5	**.560** 14.22	**.368** 9.35	**.187** 4.75	**.250** 6.35	**.187** 4.75	**.033** 0.84	**.085** 2.16	**.089** 2.26	320815	320814
		.529 13.44	**.384** 9.75	**.203** 5.16	**.296** 7.52	**.140** 3.56	**.033** 0.84	**.085** 2.16	**.089** 2.26	34266 2-34266-1	31813
	8 M4	**.633** 16.08	**.493** 12.52	**.312** 7.92	**.244** 6.20	**.125** 3.18	**.033** 0.84	—	**.089** 2.26	—	35278
		.982 24.94	**.745** 18.92	**.465** 11.81	**.302** 7.67	**.227** 5.77	**.033** 0.84	**.085** 2.16	**.089** 2.26	328356	328342
	10	**.717** 18.21	**.462** 11.73	**.281** 7.14	**.312** 7.92	**.250** 6.35	**.033** 0.84	**.085** 2.16	**.089** 2.26	320819	320818
	12	**.951** 24.16	**.618** 15.70	**.437** 11.10	**.375** 9.53	**.328** 8.33	**.033** 0.84	—	**.089** 2.26	—	320820

Note: Part numbers are shown as loose piece over tape mounted product.

Rectangular Tongue Terminals (Continued)

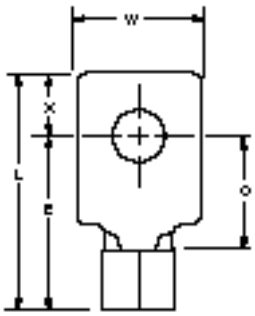
Wire Size Range

**AWG 12 to 10,
CMA 5,180 to 13,100
[2.62 to 6.64 mm²]**

Material

Terminal Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



Wire Size Circular Mils [mm²]	Stud Size	Dimensions L Max.	E Max.	C Min.	W	X	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Budget	Part Numbers Solistrand	Budget
12–10 5,180–13,100 [2.62–6.64]	4	**.679** 17.25	**.526** 13.36	**.237** 6.02	**.237** 6.02	**.143** 3.63	**.042** 1.07	**.129** 3.28	**.134** 3.40	328050	327971
	5 M3	**.719** 18.26	**.566** 14.38	**.277** 7.04	**.277** 7.04	**.143** 3.63	**.042** 1.07	—	**.134** 3.40	—	327953
	6 M3.5	**.631** 16.03	**.486** 12.34	**.218** 5.54	**.290** 7.37	**.140** 3.56	**.042** 1.07	**.129** 3.28	**.134** 3.40	321499 2-321499-1	33426
		.898 22.81	**.693** 17.60	**.404** 10.26	**.237** 6.02	**.195** 4.95	**.042** 1.07	—	**.134** 3.40	—	327959
		1.006 25.55	**.736** 18.69	**.468** 11.89	**.296** 7.52	**.265** 6.73	**.042** 1.07	**.129** 3.28	**.134** 3.40	322946	322945
	8 M4	**.924** 23.47	**.754** 19.15	**.465** 11.81	**.302** 7.67	**.160** 4.06	**.042** 1.07	—	**.134** 3.40	—	331269
	10	**.843** 21.41	**.588** 14.94	**.320** 8.13	**.312** 7.92	**.250** 6.35	**.042** 1.07	**.129** 3.28	**.134** 3.40	321558	321557
	1/4 M6	**1.069** 27.15	**.736** 18.69	**.468** 11.89	**.469** 11.91	**.328** 8.33	**.042** 1.07	**.129** 3.28	**.134** 3.40	320823	320822

Note: Part numbers are shown as loose piece over tape mounted product.

Spade Tongue Terminals

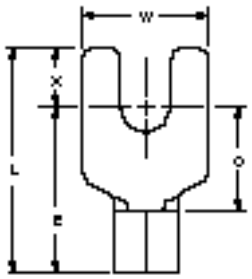
Wire Size Range

**AWG 26 to 10,
CMA 202 to 13,100
[0.1 to 6.64 mm²]**

Material

Terminal Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



Wire Size Circular Mils [mm²]	Stud Size	Dimensions L Max.	E Max.	C Min.	W	X	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Budget	Part Numbers Solistrand	Budget
26–22 202–810 [0.1–0.41]	0	**.280** 7.11	**.213** 5.41	**.078** 1.98	**.125** 3.18	**.062** 1.57	**.020** 0.51	—	**.035** 0.89	—	32501
	4	**.431** 10.95	**.346** 8.79	**.211** 5.36	**.203** 5.16	**.076** 1.93	**.020** 0.51	—	**.035** 0.89	—	34247
22–16 509–3,260 [0.26–1.65]	2 M2	**.504** 12.80	**.384** 9.75	**.203** 5.16	**.182** 4.62	**.115** 2.92	**.033** 0.84	**.061** 1.55	**.065** 1.65	53555-1* 53555-2	328395
	4	**.451** 11.46	**.337** 8.56	**.156** 3.96	**.218** 5.54	**.109** 2.77	**.033** 0.84	**.061** 1.55	**.065** 1.65	321463 2-321463-1	323834
	6 M3.5	**.685** 17.40	**.493** 12.52	**.312** 7.92	**.375** 9.53	**.187** 4.75	**.033** 0.84	—	**.065** 1.65	—	31634
		.530 13.46	**.384** 9.75	**.203** 5.16	**.297** 7.54	**.141** 3.58	**.033** 0.84	**.061** 1.55	**.065** 1.65	36195* 2-36195-3	33765
		.623 15.82	**.493** 12.52	**.312** 7.92	**.250** 6.35	**.125** 3.18	**.033** 0.84	**.061** 1.55	**.065** 1.65	323127*	34518*
	8 M4	**.685** 17.40	**.493** 12.52	**.312** 7.92	**.375** 9.53	**.187** 4.75	**.033** 0.84	**.061** 1.55	**.065** 1.65	34117* 2-34117-2	31635*
		.653 16.59	**.477** 12.12	**.296** 7.52	**.343** 8.71	**.171** 4.34	**.033** 0.84	—	**.065** 1.65	—	323823
	10	**.733** 18.62	**.572** 14.53	**.312** 7.92	**.344** 8.74	**.156** 3.96	**.033** 0.84	**.061** 1.55	—	34583	34582
		.685 17.40	**.493** 12.52	**.312** 7.92	**.375** 9.53	**.187** 4.75	**.033** 0.84	**.061** 1.55	**.065** 1.65	34118* 2-34118-2	31636*
16–14 2,050–5,180 [1.04–2.62]	6 M3.5	**.685** 17.40	**.493** 12.52	**.312** 7.92	**.385** 9.78	**.187** 4.75	**.033** 0.84	—	**.089** 2.26	—	31704
		.530 13.46	**.384** 9.75	**.203** 5.16	**.297** 7.54	**.141** 3.58	**.033** 0.84	**.085** 2.16	**.089** 2.26	322996* 2-322996-1	33202*
		.623 15.82	**.493** 12.52	**.312** 7.92	**.244** 6.20	**.125** 3.18	**.033** 0.84	**.085** 2.16	**.089** 2.26	330827	33221
	8 M4	**.685** 17.40	**.493** 12.52	**.312** 7.92	**.385** 9.78	**.187** 4.75	**.033** 0.84	**.085** 2.16	**.089** 2.26	34128*	31705*
		.530 13.46	**.384** 9.75	**.203** 5.16	**.297** 7.54	**.141** 3.58	**.033** 0.84	**.085** 2.16	**.089** 2.26	36880 2-36880-1	35116
	10	**.764** 19.41	**.572** 14.53	**.312** 7.92	**.385** 9.78	**.187** 4.75	**.033** 0.84	**.085** 2.16	**.089** 2.26	33219*	31442
		.685 17.40	**.493** 12.52	**.312** 7.92	**.385** 9.78	**.187** 4.75	**.033** 0.84	**.085** 2.16	**.089** 2.26	34129*	31706
		.733 18.62	**.572** 14.53	**.312** 7.92	**.344** 8.74	**.156** 3.96	**.033** 0.84	**.085** 2.16	—	324521	—
12–10 5,180–13,100 [2.62–6.64]	6 M3.5	**.772** 19.61	**.564** 14.33	**.296** 7.52	**.406** 10.31	**.203** 5.16	**.042** 1.07	—	**.134** 3.40	—	31587
		.631 16.03	**.486** 12.34	**.218** 5.54	**.282** 7.16	**.140** 3.56	**.042** 1.07	**.129** 3.28	**.134** 3.40	322451*	34384
		.772 19.61	**.564** 14.33	**.296** 7.52	**.312** 7.92	**.203** 5.16	**.042** 1.07	—	**.134** 3.40	—	35493
	8 M4	**.991** 25.17	**.757** 19.23	**.468** 11.89	**.312** 7.92	**.250** 6.35	**.042** 1.07	**.129** 3.28	**.134** 3.40	325196	325195
		.772 19.61	**.564** 14.33	**.296** 7.52	**.406** 10.31	**.203** 5.16	**.042** 1.07	**.129** 3.28	**.134** 3.40	32995*	31588*
	10	**.772** 19.61	**.564** 14.33	**.296** 7.52	**.406** 10.31	**.203** 5.16	**.042** 1.07	**.129** 3.28	**.134** 3.40	33479* 2-33479-1	31589
		.772 19.61	**.564** 14.33	**.296** 7.52	**.375** 9.53	**.203** 5.16	**.042** 1.07	**.129** 3.28	**.134** 3.40	35495* 2-35495-2	35494*

Note: Part numbers are shown as loose piece over tape mounted product.
*Part numbers are available in small quantity packages.

Short Spring Spade Tongue Terminals

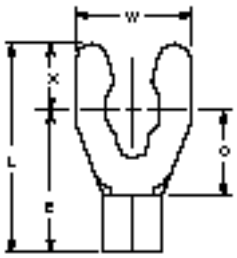
Wire Size Range

**AWG 26 to 16,
CMA 202 to 3,260
[0.1 to 1.65 mm²]**

Material

Terminal Body — Phosphor Bronze per ASTM B-103

Plating — Tin per MIL-T-10727



Wire Size Circular Mils [mm²]	Stud Size	Dimensions L Max.	E Max.	C Min.	W	X	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Budget	Part Numbers Solistrand	Budget
26–22 202–810 [0.1–0.41]	2 M2	**.455** 11.56	**.341** 8.66	**.206** 5.23	**.171** 4.34	**.109** 2.77	**.020** 0.51	—	**.034** 0.86	—	53000-1
	4	**.499** 12.67	**.354** 8.99	**.219** 5.56	**.203** 5.16	**.140** 3.56	**.020** 0.51	—	**.034** 0.86	—	53001-1
	5 M3	**.483** 12.27	**.338** 8.59	**.203** 5.16	**.250** 6.35	**.140** 3.56	**.020** 0.51	—	**.034** 0.86	—	53002-1
	6 M3.5	**.483** 12.27	**.338** 8.59	**.203** 5.16	**.250** 6.35	**.140** 3.56	**.020** 0.51	—	**.034** 0.86	—	53003-1
	8 M4	**.591** 15.01	**.416** 10.57	**.281** 7.14	**.375** 9.53	**.170** 4.32	**.020** 0.51	—	**.034** 0.86	—	53004-1
22–16 509–3,260 [0.26–1.65]	4	**.576** 14.63	**.431** 10.95	**.250** 6.35	**.203** 5.16	**.140** 3.56	**.033** 0.84	**.061** 1.55	**.065** 1.65	53175-1*	53150-2
	5 M3	**.576** 14.63	**.431** 10.95	**.250** 6.35	**.250** 6.35	**.140** 3.56	**.033** 0.84	—	**.065** 1.65	—	53005-1
	6 M3.5	**.576** 14.63	**.431** 10.95	**.250** 6.35	**.250** 6.35	**.140** 3.56	**.033** 0.84	**.061** 1.55	**.065** 1.65	53120-1* 53120-2	53006-1
		.576 14.63	**.431** 10.95	**.250** 6.35	**.234** 5.94	**.140** 3.56	**.033** 0.84	**.061** 1.55	**.065** 1.65	53830-1 53830-2	53266-2
	8 M4	**.637** 16.18	**.462** 11.73	**.281** 7.14	**.375** 9.53	**.170** 4.32	**.033** 0.84	**.061** 1.55	**.065** 1.65	53121-1	53007-1
		.637 16.18	**.462** 11.73	**.281** 7.14	**.244** 6.20	**.170** 4.32	**.033** 0.84	**.061** 1.55	**.065** 1.65	53831-1* 53831-2	53267-2
	10	**.685** 17.40	**.462** 11.73	**.281** 7.14	**.294** 7.47	**.218** 5.54	**.033** 0.84	**.061** 1.55	**.065** 1.65	53832-1 53832-2	53268-2
	1/4-28 UNF M6	**.810** 20.57	**.524** 13.31	**.343** 8.71	**.625** 15.88	**.281** 7.14	**.033** 0.84	—	**.065** 1.65	—	53235-2

Note: Part numbers are shown as loose piece over tape mounted product.
*Part numbers are available in small quantity packages.

Short Spring Spade Tongue Terminals (Continued)

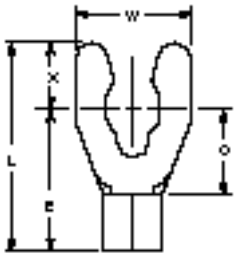
Wire Size Range

**AWG 16 to 10,
CMA 2,050 to 13,100
[1.04 to 6.64 mm²]**

Material

Terminal Body — Phosphor Bronze per ASTM B-103

Plating — Tin per MIL-T-10727



Wire Size Circular Mils [mm²]	Stud Size	Dimensions L Max.	E Max.	C Min.	W	X	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Budget	Part Numbers Solistrand	Budget
16–14 2,050–5,180 [1.04–2.62]	5 M3	**.576** 14.63	**.431** 10.95	**.250** 6.35	**.250** 6.35	**.140** 3.56	**.033** 0.84	**.085** 2.16	**.089** 2.26	53177-1	53009-1
	6 M3.5	**.576** 14.63	**.431** 10.95	**.250** 6.35	**.250** 6.35	**.140** 3.56	**.033** 0.84	**.085** 2.16	**.089** 2.26	53123-1* 53123-2	53010-1
	8 M4	**.637** 16.18	**.462** 11.73	**.281** 7.14	**.375** 9.53	**.170** 4.32	**.033** 0.84	**.085** 2.16	**.089** 2.26	53124-1* 53124-2	53011-1
		.637 16.18	**.462** 11.73	**.281** 7.14	**.244** 6.20	**.170** 4.32	**.033** 0.84	**.085** 2.16	**.089** 2.26	53833-1 53833-2	53270-2
	10	**.685** 17.40	**.462** 11.73	**.281** 7.14	**.406** 10.31	**.218** 5.54	**.033** 0.84	**.085** 2.16	**.089** 2.26	53125-1* 53125-2	53012-1
		.685 17.40	**.462** 11.73	**.281** 7.14	**.294** 7.47	**.218** 5.54	**.033** 0.84	**.085** 2.16	**.089** 2.26	53834-1 53834-2	53271-2
	1/4-28 UNF M6	**.810** 20.57	**.524** 13.31	**.343** 8.71	**.625** 15.88	**.281** 7.14	**.033** 0.84	—	**.089** 2.26	—	53032-1
12–10 5,180–13,100 [2.62–6.64]	5 M3	**.636** 16.15	**.447** 11.35	**.169** 4.29	**.250** 6.35	**.184** 4.67	**.042** 1.07	—	**.134** 3.40	—	53013-1
	6 M3.5	**.636** 16.15	**.452** 11.48	**.174** 4.42	**.250** 6.35	**.179** 4.55	**.042** 1.07	**.129** 3.28	**.134** 3.40	53126-1* 53126-2	53014-1
	8 M4	**.729** 18.52	**.554** 14.07	**.276** 7.01	**.375** 9.53	**.170** 4.32	**.042** 1.07	**.129** 3.28	**.134** 3.40	53127-1* 53127-2	53015-1
		.729 18.52	**.554** 14.07	**.276** 7.01	**.312** 7.92	**.170** 4.32	**.042** 1.07	**.129** 3.28	**.134** 3.40	53835-1 53835-2	53273-2
	10	**.777** 19.74	**.554** 14.07	**.276** 7.01	**.406** 10.31	**.218** 5.54	**.042** 1.07	**.129** 3.28	**.134** 3.40	53128-1* 53128-2	53016-1
		.777 19.74	**.554** 14.07	**.276** 7.01	**.312** 7.92	**.218** 5.54	**.042** 1.07	**.129** 3.28	**.134** 3.40	53836-1 53836-2	53274-2
	1/4-28 UNF M6	**.902** 22.91	**.616** 15.65	**.338** 8.59	**.375** 9.53	**.281** 7.14	**.042** 1.07	—	**.134** 3.40	—	53226-2

Note: Part numbers are shown as loose piece over tape mounted product.
*Part numbers are available in small quantity packages.

Long Spring Spade Tongue Terminals

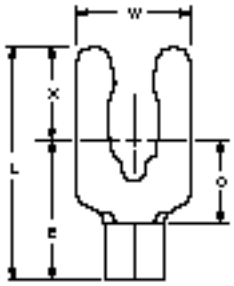
Wire Size Range

**AWG 26 to 10,
CMA 202 to 13,100
[0.1 to 6.64 mm²]**

Material

Terminal Body — Phosphor Bronze per ASTM B-103

Plating — Tin per MIL-T-10727



Wire Size Circular Mils [mm²]	Stud Size	Dimensions L Max.	E Max.	C Min.	W	X	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Budget	Part Numbers Solistrand	Budget
26–22 202–810 [0.1–0.41]	4	**.637** 16.18	**.341** 8.66	**.206** 5.23	**.203** 5.16	**.276** 7.01	**.020** 0.51	—	**.034** 0.86	—	52733-1
	6 M3.5	**.666** 16.92	**.370** 9.40	**.235** 5.97	**.250** 6.35	**.276** 7.01	**.020** 0.51	—	**.034** 0.86	—	52734-1
	8 M4	**.696** 17.68	**.400** 10.16	**.265** 6.73	**.281** 7.14	**.290** 7.37	**.020** 0.51	—	**.034** 0.86	—	52735-1
22–16 509–3,260 [0.26–1.65]	4	**.673** 17.09	**.392** 9.96	**.201** 5.11	**.203** 5.16	**.276** 7.01	**.033** 0.84	—	**.065** 1.65	—	53047
	6 M3.5	**.709** 18.01	**.429** 10.90	**.238** 6.05	**.250** 6.35	**.276** 7.01	**.033** 0.84	**.061** 1.55	**.065** 1.65	52709-1	52700-1
	8 M4	**.756** 19.20	**.461** 11.71	**.270** 6.86	**.281** 7.14	**.290** 7.37	**.033** 0.84	**.061** 1.55	**.065** 1.65	52710-1* 52710-2	52701-1
	10	**.782** 19.86	**.474** 12.04	**.283** 7.19	**.343** 8.71	**.303** 7.70	**.033** 0.84	—	**.065** 1.65	—	52702-1
	1/4-28 UNF M6	**.879** 22.33	**.536** 13.61	**.340** 8.64	**.437** 11.10	**.333** 8.46	**.033** 0.84	—	**.065** 1.65	—	53111-2
16–14 2,050–5,180 [1.04–2.62]	6 M3.5	**.709** 18.01	**.429** 10.90	**.238** 6.05	**.250** 6.35	**.276** 7.01	**.033** 0.84	**.085** 2.16	**.089** 2.26	52712-1*	52703-1
	8 M4	**.756** 19.20	**.461** 11.71	**.270** 6.86	**.281** 7.14	**.290** 7.37	**.033** 0.84	**.085** 2.16	**.089** 2.26	52713-1* 52713-2	52704-1 52704-3
	10	**.782** 19.86	**.474** 12.04	**.283** 7.19	**.343** 8.71	**.303** 7.70	**.033** 0.84	**.085** 2.16	**.089** 2.26	52714-1*	52705-1
	1/4-28 UNF M6	**.879** 22.33	**.536** 13.61	**.345** 8.76	**.437** 11.10	**.338** 8.59	**.033** 0.84	—	**.089** 2.26	—	53033-1
12–10 5,180–13,100 [2.62–6.64]	6 M3.5	**.808** 20.52	**.520** 13.21	**.242** 6.15	**.312** 7.92	**.283** 7.19	**.042** 1.07	**.129** 3.28	**.134** 3.40	52715-1	52706-1
	8 M4	**.851** 21.62	**.551** 14.00	**.273** 6.93	**.375** 9.53	**.295** 7.49	**.042** 1.07	**.129** 3.28	**.134** 3.40	52716-1 52716-2	52707-1 52707-3
	10	**.896** 22.76	**.583** 14.81	**.305** 7.75	**.375** 9.53	**.308** 7.82	**.042** 1.07	**.129** 3.28	**.134** 3.40	52717-1 52717-2	52708-1
	1/4-28 UNF M6	**.966** 24.54	**.623** 15.82	**.345** 8.76	**.437** 11.10	**.338** 8.59	**.042** 1.07	—	**.134** 3.40	—	52772-1

Note: Part numbers are shown as loose piece over tape mounted product.
*Part numbers are available in small quantity packages.

Flanged Spade Tongue Terminals

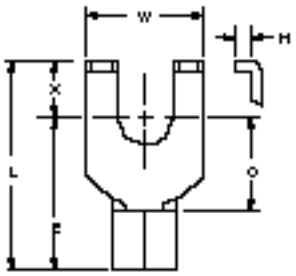
Wire Size Range

**AWG 26 to 10,
CMA 202 to 13,100
[0.1 to 6.64 mm²]**

Material

Terminal Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



Wire Size Circular Mils [mm²]	Stud Size	Dimensions L Max.	E Max.	C Min.	W	X	H Min.	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Budget	Part Numbers Solistrand	Budget
26–22 202–810 [0.1–0.41]	2 M2	**.453** 11.51	**.338** 8.59	**.203** 5.16	**.182** 4.62	**.110** 2.79	**.026** 0.66	**.020** 0.51	—	**.035** 0.89	—	324599
	4	**.453** 11.51	**.338** 8.59	**.203** 5.16	**.193** 4.90	**.110** 2.79	**.026** 0.66	**.020** 0.51	—	**.035** 0.89	—	52512-1
	6 M3.5	**.453** 11.51	**.338** 8.59	**.203** 5.16	**.250** 6.35	**.110** 2.79	**.026** 0.66	**.020** 0.51	—	**.035** 0.89	—	51875-1
22–16 509–3,260 [0.26–1.65]	2 M2	**.504** 12.80	**.384** 9.75	**.203** 5.16	**.182** 4.62	**.115** 2.92	**.041** 1.04	**.033** 0.84	**.061** 1.55	**.065** 1.65	324605*	324604
	6 M3.5	**.514** 13.06	**.384** 9.75	**.203** 5.16	**.296** 7.52	**.125** 3.18	**.045** 1.14	**.033** 0.84	**.061** 1.55	**.065** 1.65	320749* 2-320749-2	32418
		.514 13.06	**.384** 9.75	**.203** 5.16	**.250** 6.35	**.125** 3.18	**.045** 1.14	**.033** 0.84	**.061** 1.55	**.065** 1.65	323136* 2-323136-1	322776
	8 M4	**.607** 15.42	**.431** 10.95	**.250** 6.35	**.416** 10.57	**.171** 4.34	**.062** 1.57	**.033** 0.84	**.061** 1.55	**.065** 1.65	323124*	32494
		.514 13.06	**.384** 9.75	**.203** 5.16	**.296** 7.52	**.125** 3.18	**.045** 1.14	**.033** 0.84	**.061** 1.55	**.065** 1.65	52730* 52730-1	1-32418-2 1-32418-4
	10	**.514** 13.06	**.384** 9.75	**.203** 5.16	**.296** 7.52	**.125** 3.18	**.045** 1.14	**.033** 0.84	—	**.065** 1.65	—	328522
16–14 2,050–5,180 [1.04–2.62]	6 M3.5	**.514** 13.06	**.384** 9.75	**.203** 5.16	**.294** 7.47	**.125** 3.18	**.047** 1.19	**.033** 0.84	**.085** 2.16	**.089** 2.26	320855* 2-320855-1	320852
	8 M4	**.514** 13.06	**.384** 9.75	**.203** 5.16	**.294** 7.47	**.125** 3.18	**.047** 1.19	**.033** 0.84	**.085** 2.16	**.089** 2.26	320856* 2-320856-1	320853
	10	**.514** 13.06	**.384** 9.75	**.203** 5.16	**.294** 7.47	**.125** 3.18	**.047** 1.19	**.033** 0.84	**.085** 2.16	**.089** 2.26	320857* 2-320857-1	320854
12-10 5,180–13,100 [2.62–6.64]	6 M3.5	**.694** 17.63	**.518** 13.16	**.250** 6.35	**.296** 7.52	**.171** 4.34	**.052** 1.32	**.042** 1.07	**.129** 3.28	**.134** 3.40	324578 1-324578-0	324579
	8 M4	**.694** 17.63	**.518** 13.16	**.250** 6.35	**.416** 10.57	**.171** 4.34	**.052** 1.32	**.042** 1.07	**.129** 3.28	**.134** 3.40	323143	32416
	10	**.694** 17.63	**.518** 13.16	**.250** 6.35	**.416** 10.57	**.171** 4.34	**.052** 1.32	**.042** 1.07	**.129** 3.28	**.134** 3.40	323144 2-323144-1	322725

Note: Part numbers are shown as loose piece over tape mounted product.
*Part numbers are available in small quantity packages.

Slotted Ring Tongue Terminals

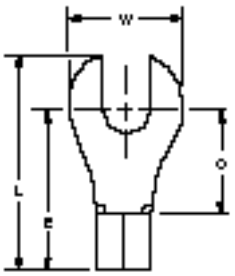
Wire Size Range

**AWG 26 to 10,
CMA 202 to 13,100
[0.1 to 6.64 mm²]**

Material

Terminal Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



Wire Size Circular Mils [mm²]	Stud Size	Dimensions L Max.	E Max.	C Min.	W	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Budget	Part Numbers Solistrand	Budget
26–22 202–810 [0.1–0.41]	6 M3.5	**.523** 13.28	**.416** 10.57	**.281** 7.14	**.250** 6.35	**.020** 0.51	—	**.035** 0.89	—	322211
22–16 509–3,260 [0.26–1.65]	4	**.425** 10.80	**.353** 8.97	**.172** 4.37	**.182** 4.62	**.033** 0.84	**.061** 1.55	**.065** 1.65	321288*	323838
	6 M3.5	**.423** 10.74	**.337** 8.56	**.156** 3.96	**.218** 5.54	**.033** 0.84	**.061** 1.55	**.065** 1.65	321289 2-321289-1	323835
	8	**.547** 13.89	**.431** 10.95	**.250** 6.35	**.281** 7.14	**.033** 0.84	**.061** 1.55	**.065** 1.65	323129	36953
	10	**.588** 14.94	**.462** 11.73	**.281** 7.14	**.312** 7.92	**.033** 0.84	—	**.065** 1.65	—	323832
	1/4	**.816** 20.73	**.618** 15.70	**.437** 11.10	**.469** 11.91	**.033** 0.84	**.061** 1.55	**.065** 1.65	321809 2-321809-1	323837
16–14 2,050–5,180 [1.04–2.62]	6 M3.5	**.459** 11.66	**.352** 8.94	**.171** 4.34	**.250** 6.35	**.033** 0.84	**.085** 2.16	**.089** 2.26	322514	35555
	8 M4	**.616** 15.65	**.462** 11.73	**.281** 7.14	**.344** 8.74	**.033** 0.84	—	**.089** 2.26	—	34520
	10	**.604** 15.34	**.462** 11.73	**.281** 7.14	**.343** 8.71	**.033** 0.84	—	**.089** 2.26	—	328872
	1/4 M6	**.816** 20.73	**.618** 15.70	**.437** 11.10	**.469** 11.91	**.033** 0.84	—	**.089** 2.26	—	36216
12–10 5,180–13,100 [2.62–6.64]	1/4 M6	**.952** 24.18	**.736** 18.69	**.468** 11.89	**.531** 13.49	**.042** 1.07	**.129** 3.28	**.134** 3.40	35680*	55812-2

Note: Part numbers are shown as loose piece over tape mounted product.
*Part numbers are available in small quantity packages.

Hook Tongue Terminals

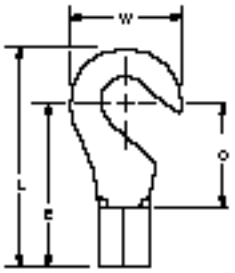
Wire Size Range

AWG 22 to 10,
CMA 509 to 13,100
[0.26 to 6.64 mm²]

Material

Terminal Body— Copper per ASTM B-152

Plating — Tin per MIL-T-10727



Wire Size Circular Mils [mm²]	Stud Size	Dimensions L Max.	E Max.	C Min.	W	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Budget	Part Numbers Solistrand	Budget
22–16 509–3,260 [0.26–1.65]	6 M3.5	**.530** 13.46	**.384** 9.75	**.203** 5.16	**.281** 7.14	**.033** 0.84	—	**.065** 1.65	—	34261
	8 M4	**.656** 16.66	**.482** 12.24	**.296** 7.52	**.343** 8.71	**.033** 0.84	—	**.065** 1.65	—	31628
16–14 2,050–5,180 [1.04–2.62]	6 M3.5	**.636** 16.15	**.462** 11.73	**.281** 7.14	**.343** 8.71	**.033** 0.84	—	**.089** 2.26	—	35212
	8 M4	**.636** 16.15	**.462** 11.73	**.281** 7.14	**.343** 8.71	**.033** 0.84	—	**.089** 2.26	—	32503
	10	**.636** 16.15	**.462** 11.73	**.281** 7.14	**.343** 8.71	**.033** 0.84	—	**.089** 2.26	—	33437
12–10 5,180–13,100 [2.62–6.64]	10	**.760** 19.30	**.570** 14.48	**.302** 7.67	**.375** 9.53	**.042** 1.07	**.129** 3.28	**.134** 3.40	324209 2-324209-1	327902
	1/4 M6	**1.004** 25.50	**.736** 18.69	**.468** 11.89	**.531** 13.49	**.042** 1.07	**.129** 3.28	**.134** 3.40	321632 2-321632-1	327905

Note: Part numbers are shown as loose piece over tape mounted product.

Tab Tongue Terminals

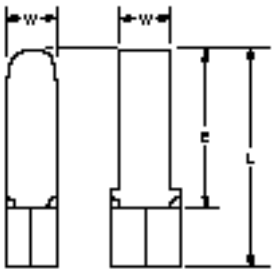
Wire Size Range

AWG 22 to 8,
CMA 509 to 20,800
[0.26 to 10.5 mm²]

Material

Terminal Body— Copper per ASTM B-152

Plating — Tin per MIL-T-10727



A B

Wire Size Circular Mils [mm²]	Style	Dimensions L Max.	E Max.	W	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Part Numbers Solistrand
22–16 509–3,260 [0.26–1.65]	A	**.681** 17.30	**.500** 12.70	**.125** 3.18	**.033** 0.84	**.061** 1.55	323135
16–14 HD[1] 2,050–5,180 [1.04–2.62]	B	**.863** 21.92	**.615** 15.62	**.125** 3.18	**.050** 1.27	**.105** 2.67	322441
12–10 5,180–13,100 [2.62–6.64]	B	**.863** 21.92	**.613** 15.57	**.125** 3.18	**.042** 1.07	**.129** 3.28	322443
8 13,100–20,800 [6.64–10.5]	B	**.937** 23.80	**.625** 15.88	**.221** 5.61	**.051** 1.30	**.177** 4.50	322445

[1]Heavy Duty for extra mechanical strength.

Flag Ring Tongue Terminals

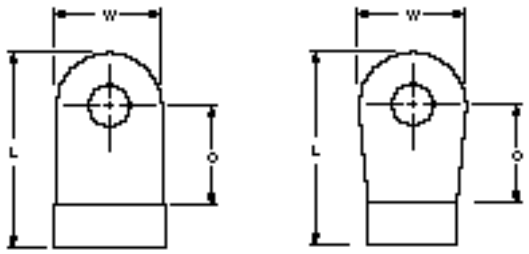
Wire Size Range

AWG 16 to 2,
CMA 2,050 to 83,700
[1.04 to 42.4 mm²]

Material

Terminal Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



A B

Wire Size Circular Mils [mm²]	Stud Size	Style	Dimensions L Max.	Dimensions C Min.	Dimensions W	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Part Numbers Solistrand
16–14 2,050–5,180 [1.04–2.62]	8 M4	A	**.579** 14.71	**.250** 6.35	**.312** 7.92	**.033** 0.84	**.085** 2.16	325069
	10	A	**.579** 14.71	**.250** 6.35	**.312** 7.92	**.033** .084	**.085** 2.16	322819
12–10 5,180–13,100 [2.62–6.64]	6 M3.5	A	**.702** 17.83	**.281** 7.14	**.375** 9.53	**.042** 1.07	**.129** 3.28	36269
	8 M4	A	**.702** 17.83	**.281** 7.14	**.375** 9.53	**.042** 1.07	**.129** 3.28	36270
	10	A	**.702** 17.83	**.281** 7.14	**.375** 9.53	**.042** 1.07	**.129** 3.28	36271*
	1/4 M6	A	**.702** 17.83	**.281** 7.14	**.375** 9.53	**.042** 1.07	**.129** 3.28	36272
8 13,100–20,800 [6.64–10.5]	10	B	**.791** 20.09	**.250** 6.35	**.500** 12.70	**.043** 1.09	**.180** 4.57	321051
		B	**.918** 23.32	**.378** 9.60	**.500** 12.70	**.043** 1.09	**.180** 4.57	321441
	1/4 M6	B	**1.130** 28.70	**.525** 13.34	**.609** 15.47	**.043** 1.09	**.180** 4.57	322727
6 20,800–33,100 [10.5–16.8]	10	A	**.841** 21.36	**.250** 6.35	**.500** 12.70	**.048** 1.22	**.224** 5.69	323196
	1/4 M6	A	**.960** 24.38	**.371** 9.42	**.500** 12.70	**.048** 1.22	**.224** 5.69	321576
	5/16 M8	B	**1.200** 30.48	**.528** 13.41	**.625** 15.88	**.048** 1.22	**.224** 5.69	321056
	3/8	B	**1.200** 30.48	**.528** 13.41	**.625** 15.88	**.048** 1.22	**.224** 5.69	322204
4 33,100–52,600 [16.8–26.7]	10	A	**1.048** 26.62	**.368** 9.35	**.546** 13.87	**.051** 1.30	**.280** 7.11	321059
	1/4 M6	A	**1.048** 26.62	**.368** 9.35	**.546** 13.87	**.051** 1.30	**.280** 7.11	321275
	5/16 M8	B	**1.278** 32.46	**.530** 13.46	**.682** 17.32	**.051** 1.30	**.280** 7.11	321060
	3/8	B	**1.278** 32.46	**.530** 13.46	**.682** 17.32	**.051** 1.30	**.280** 7.11	321121
2 52,600–83,700 [26.7–42.4]	10	B	**1.437** 36.50	**.534** 13.56	**.713** 18.11	**.060** 1.52	**.357** 9.07	321063
	1/4 M6	B	**1.437** 36.50	**.534** 13.56	**.713** 18.11	**.060** 1.52	**.357** 9.07	321201
	5/16 M8	B	**1.437** 36.50	**.534** 13.56	**.713** 18.11	**.060** 1.52	**.357** 9.07	321064
	3/8	B	**1.437** 36.50	**.534** 13.56	**.713** 18.11	**.060** 1.52	**.357** 9.07	321253
	10 mm	B	**1.437** 36.50	**.534** 13.56	**.713** 18.11	**.060** 1.52	**.357** 9.07	184147-1

*Part numbers are available in small quantity packages.

For drawings, technical data or samples, contact your AMP sales engineer or call the AMP Technical Support Center 1-800-522-6752.
Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.
Specifications subject to change. Consult AMP for latest specifications.

Flag Ring Tongue Terminals (Continued)

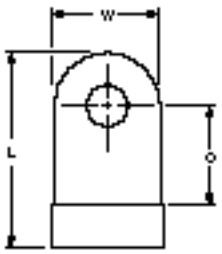
Wire Size Range

**AWG 1/0 to 4/0,
CMA 83,700 to 231,000
[42.4 to 117 mm²]**

Material

Terminal Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



A

Wire Size Circular Mils [mm²]	Stud Size	Style	Dimensions L Max.	Dimensions C Min.	Dimensions W	Material Thickness Max.	Wire Barrel I.D. Min. Solistrand	Part Numbers Solistrand
1/0 83,700–119,500 [42.4–60.6]	1/4 M6	A	**1.733** 44.02	**.666** 16.92	**.875** 22.23	**.073** 1.85	**.444** 11.28	322215
	5/16 M8	A	**1.733** 44.02	**.666** 16.92	**.875** 22.23	**.073** 1.85	**.444** 11.28	321580
	3/8	A	**1.733** 44.02	**.666** 16.92	**.875** 22.23	**.073** 1.85	**.444** 11.28	321066
	1/2 M12	A	**1.733** 44.02	**.666** 16.92	**.875** 22.23	**.073** 1.85	**.444** 11.28	321123
2/0 119,500–150,500 [60.6–76.3]	5/16 M8	A	**1.848** 46.94	**.671** 17.04	**.920** 23.37	**.083** 2.11	**.504** 12.80	321582
	3/8	A	**1.848** 46.94	**.671** 17.04	**.920** 23.37	**.083** 2.11	**.504** 12.80	321584
3/0 150,500–190,000 [76.3–96.3]	3/8	A	**2.001** 50.83	**.676** 17.17	**1.056** 26.82	**.094** 2.39	**.565** 14.35	327887
4/0 190,000-231,000 [96.3–117]	5/16 M8	A	**2.131** 54.13	**.681** 17.30	**1.115** 28.32	**.105** 2.67	**.635** 16.13	321277
	3/8	A	**2.131** 54.13	**.681** 17.30	**1.115** 28.32	**.105** 2.67	**.635** 16.13	321277-1
	1/2 M12	A	**2.131** 54.13	**.681** 17.30	**1.115** 28.32	**.105** 2.67	**.635** 16.13	321259

For drawings, technical data or samples, contact your AMP sales engineer or call the AMP Technical Support Center 1-800-522-6752.
Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.
Specifications subject to change. Consult AMP for latest specifications.

Parallel Splices

Wire Size Range

**AWG 22 to 600 MCM,
CMA 509 to 600,000
[0.26 to 304 mm²]**

Material

Splice Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727

Wire Size Circular Mils[1] [mm²]	Dimensions L Max.	I.D. Min.	O.D. Max.	Material Thickness Max.	Part Numbers Solistrand
22–16 509–3,260 [0.26–1.65]	**.301** 7.65	**.061** 1.55	**.141** 3.58	**.033** 0.84	34130*
16–14 2,050–5,180 [1.04–2.62]	**.301** 7.65	**.085** 2.16	**.165** 4.19	**.033** 0.84	34137*
12–10 5,180–13,100 [2.62–6.64]	**.343** 8.71	**.129** 3.28	**.226** 5.74	**.042** 1.07	34138*
8 13,100–20,800 [6.64–10.5]	**.375** 9.53	**.172** 4.37	**.296** 7.52	**.051** 1.30	34318*
6 20,800–33,100 [10.5–16.8]	**.437** 11.10	**.232** 5.89	**.369** 9.37	**.060** 1.52	34319*
4 33,100–52,600 [16.8–26.7]	**.531** 13.49	**.296** 7.52	**.463** 11.76	**.073** 1.85	34320*
2 52,600–83,700 [26.7–42.4]	**.640** 16.26	**.370** 9.40	**.539** 13.69	**.073** 1.85	35187*
1/0 83,700–119,500 [42.4–60.6]	**.734** 18.64	**.444** 11.28	**.613** 15.57	**.073** 1.85	36946*
2/0 119,500–150,500 [60.6–76.3]	**.734** 18.64	**.504** 12.80	**.703** 17.86	**.083** 2.11	36948*
3/0 150,500–190,000 [76.3–96.3]	**.749** 19.02	**.565** 14.35	**.775** 19.69	**.094** 2.39	36909
4/0 190,000–231,000 [96.3–117]	**.765** 19.43	**.635** 16.13	**.869** 22.07	**.105** 2.67	36951*
250–300 MCM 231,000–300,000 [117–152]	**1.062** 26.97	**.753** 19.13	**1.054** 26.77	**.130** 3.30	322275
300–350 MCM 300,000–380,000 [152–193]	**1.124** 28.55	**.819** 20.80	**1.137** 28.88	**.140** 3.56	322276
400 MCM 380,000–478,000 [193–242]	**1.249** 31.72	**.925** 23.50	**1.287** 32.69	**.158** 4.01	322277
500–600 MCM 478,000–600,000 [242–304]	**1.421** 36.09	**1.070** 27.18	**1.483** 37.67	**.182** 4.62	322278

*Part numbers are available in small quantity packages.
[1]When terminating two or more wires in a parallel splice, the combined cross sectional area must be within the listed circular mil area range (CMA).

Butt Splices

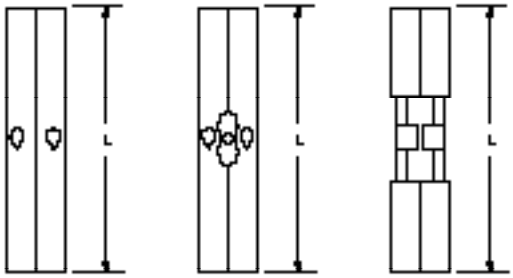
Wire Size Range

**AWG 26 to 2,
CMA 202 to 83,700
[0.1 to 42.4 mm²]**

Material

Splice Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



Standard Sight Hole Strap

Wire Size Circular Mils[1] [mm²]	Style	Solistrand Dimensions L Max.	Solistrand Dimensions I.D. Min.	Solistrand Dimensions O.D. Max.	Budget Dimensions L Max.	Budget Dimensions I.D. Min.	Budget Dimensions O.D. Max.	Material Thickness Max.	Part Numbers Solistrand	Part Numbers Budget
26–22 202–810 [0.1–0.41]	Strap	**.385** 9.78	**.031** 0.79	**.082** 2.08	**.385** 9.78	**.034** 0.86	**.077** 1.96	**.020** 0.51	321198*	321024
24–20 320–1,290 [0.16–0.65]	Strap	**.490** 12.45	**.043** 1.09	**.105** 2.67	—	—	—	**.025** 0.64	324001*	—
22–16 509–3,260 [0.26–1.65]	Strap	**.591** 15.01	**.061** 1.55	**.141** 3.58	**.591** 15.01	**.065** 1.65	**.136** 3.45	**.033** 0.84	2-321801-3 2-321801-4	32463
	Standard	**.578** 14.68	**.061** 1.55	**.141** 3.58	**.578** 14.68	**.065** 1.65	**.136** 3.45	**.033** 0.84	31818* 2-31818-1	34226*
	Sight Hole	**.578** 14.68	**.061** 1.55	**.141** 3.58	—	—	—	**.033** 0.84	330367*	—
16–14 2,050–5,180 [1.04–2.62]	Strap	**.591** 15.01	**.085** 2.16	**.165** 4.19	**.591** 15.01	**.089** 2.26	**.160** 4.06	**.033** 0.84	322459	32464
	Standard	**.567** 14.40	**.085** 2.16	**.165** 4.19	**.567** 14.40	**.089** 2.26	**.160** 4.06	**.033** 0.84	31819* 2-31819-1	34227*
	Strap	**.591** 15.01	**.085** 2.16	**.165** 4.19	—	—	—	**.033** 0.84	327025* (No Wire Stop)	—
	Sight Hole	**.567** 14.40	**.085** 2.16	**.165** 4.19	—	—	—	**.033** 0.84	330368*	—
14–12 3,260–8,230 [1.65–4.17]	Sight Hole	**.690** 17.53	**.098** 2.49	**.178** 4.52	—	—	—	**.033** 0.84	321280	—
12–10 5,180–13,100 [2.62–6.64]	Strap	—	—	—	**.703** 17.86	**.134** 3.40	**.221** 5.61	**.042** 1.07	—	30953
	Sight Hole	**.567** 14.40	**.129** 3.28	**.226** 5.74	—	—	—	**.042** 1.07	330369*	—
	Standard	**.565** 14.35	**.129** 3.28	**.226** 5.74	**.565** 14.35	**.134** 3.40	**.221** 5.61	**.042** 1.07	32151*	34228*
	Strap	**.765** 19.43	**.129** 3.28	**.226** 5.74	**.765** 19.43	**.134** 3.40	**.221** 5.61	**.042** 1.07	324893	1-324898-0
8 13,100–20,800 [6.64–10.5]	Standard	**.827** 21.01	**.172** 4.37	**.296** 7.52	—	—	—	**.051** 1.30	34321*	—
	Sight Hole	**.827** 21.01	**.172** 4.37	**.296** 7.52	—	—	—	**.051** 1.30	36906*	—
6 20,800–33,100 [10.5–16.8]	Standard	**1.015** 25.78	**.232** 5.89	**.369** 9.37	—	—	—	**.060** 1.52	34322*	—
	Sight Hole	**1.015** 25.78	**.232** 5.89	**.369** 9.37	—	—	—	**.060** 1.52	36886*	—
4 33,100–52,600 [16.8–26.7]	Standard	**1.140** 28.96	**.296** 7.52	**.463** 11.76	—	—	—	**.073** 1.85	34323*	—
	Sight Hole	**1.140** 28.96	**.296** 7.52	**.463** 11.76	—	—	—	**.073** 1.85	320238	—
2 52,600–83,700 [26.7–42.4]	Standard	**1.265** 32.13	**.370** 9.40	**.539** 13.69	—	—	—	**.073** 1.85	35189*	—
	Sight Hole	**1.265** 32.13	**.370** 9.40	**.539** 13.69	—	—	—	**.073** 1.85	322246	—

Note: Part numbers are shown as loose piece over tape mounted product.
*Part numbers are available in small quantity packages.
[1]When terminating two or more wires in either end of a butt splice, the combined cross sectional area must be within the listed circular mil area range (CMA).

Butt Splices (Continued)

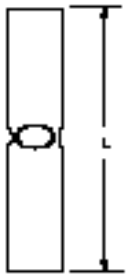
Wire Size Range

**AWG 1/0 to 600 MCM,
CMA 83,700 to 600,000
[42.4 to 304 mm²]**

Material

Splice Body — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



A

Wire Circular Mils[1] [mm²]	Style	Solistrand Dimensions			Material Thickness Max.	Part Numbers Solistrand
		L Max.	I.D. Min.	O.D. Max.		
1/0 83,700–119,500 [42.4–60.6]	A	**1.412** 35.86	**.444** 11.28	**.613** 15.57	**.073** 1.85	36957*
2/0 119,500–150,500 [60.6–76.3]	A	**1.437** 36.50	**.504** 12.80	**.693** 17.60	**.083** 2.11	36958*
3/0 150,500–190,000 [76.3–96.3]	A	**1.480** 37.60	**.565** 14.35	**.775** 19.69	**.094** 2.39	36959*
4/0 190,000–231,000 [96.3–117]	A	**1.484** 37.69	**.635** 16.13	**.869** 22.07	**.105** 2.67	36960*
250–300 MCM 231,000–300,000 [117–152]	A	**2.093** 53.16	**.753** 19.13	**1.054** 26.77	**.130** 3.30	322279
300–350 MCM 300,000–380,000 [152–193]	A	**2.217** 56.31	**.819** 20.80	**1.137** 28.88	**.140** 3.56	322280
400 MCM 380,000–478,000 [193–242]	A	**2.467** 62.66	**.925** 23.50	**1.287** 32.69	**.158** 4.01	322281
500–600 MCM 478,000–600,000 [242–304]	A	**2.811** 71.40	**1.070** 27.18	**1.483** 37.67	**.182** 4.62	322282

*Part numbers are available in small quantity packages.
[1]When terminating two or more wires in either end of a butt splice, the combined cross sectional area must be within the listed circular mil area range (CMA).

Ring Tongue Terminals

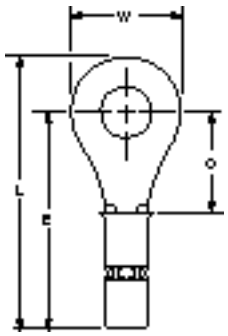
Wire Size Range

**AWG 26 to 16,
CMA 202 to 3,260
[0.1 to 1.65 mm²]**

Material

Terminal Body and Sleeve — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



Wire Size Circular Mils [mm²]	Stud Size	Dimensions L Max.	E Max.	C Min.	W	Material Thickness Max.	Wire Insulation Dia. Max.	Part Numbers Loose Piece	Tape Mounted
26–22 202–810 [0.1–0.41]	0	**.464** 11.79	**.391** 9.93	**.121** 3.07	**.140** 3.56	**.020** 0.51	**.082** 2.08	31516	—
	2 M2	**.464** 11.79	**.391** 9.93	**.121** 3.07	**.140** 3.56	**.020** 0.51	**.082** 2.08	31518	2-31518-1
		.564 14.33	**.481** 12.22	**.211** 5.36	**.165** 4.19	**.020** 0.51	**.082** 2.08	321621[1]	1-321621-0[1]
	4	**.585** 14.86	**.481** 12.22	**.211** 5.36	**.203** 5.16	**.020** 0.51	**.082** 2.08	31679	2-31679-1
	6 M3.5	**.585** 14.86	**.481** 12.22	**.211** 5.36	**.203** 5.16	**.020** 0.51	**.082** 2.08	31681	2-31681-2
		.679 17.25	**.551** 14.00	**.281** 7.14	**.250** 6.35	**.020** 0.51	**.082** 2.08	32861	2-32861-2
	8 M4	**.679** 17.25	**.551** 14.00	**.281** 7.14	**.250** 6.35	**.020** 0.51	**.082** 2.08	32862	2-32862-1
22–16 509–3,260 [0.26–1.65]	2 M2	**.600** 15.24	**.507** 12.88	**.172** 4.37	**.182** 4.62	**.033** 0.84	**.125** 3.18	320678	—
	4	**.603** 15.32	**.491** 12.47	**.156** 3.96	**.218** 5.54	**.033** 0.84	**.125** 3.18	31094	—
	6 M3.5	**.775** 19.69	**.616** 15.65	**.281** 7.14	**.312** 7.92	**.033** 0.84	**.125** 3.18	30995	—
		.603 15.32	**.491** 12.47	**.156** 3.96	**.218** 5.54	**.033** 0.84	**.125** 3.18	31096	2-31096-1
		.775 19.69	**.616** 15.65	**.281** 7.14	**.312** 7.92	**.033** 0.84	**.140** 3.56	31159	2-31159-1
		.728 18.49	**.585** 14.86	**.250** 6.35	**.281** 7.14	**.033** 0.84	**.125** 3.18	31269	2-31269-1
		.603 15.32	**.491** 12.47	**.156** 3.96	**.218** 5.54	**.033** 0.84	**.140** 3.56	31393	—
		.728 18.49	**.585** 14.86	**.250** 6.35	**.281** 7.14	**.033** 0.84	**.140** 3.56	31396	2-31396-2
	8 M4	**.775** 19.69	**.616** 15.65	**.281** 7.14	**.312** 7.92	**.033** 0.84	**.125** 3.18	30996	2-30996-1
		.775 19.69	**.616** 15.65	**.281** 7.14	**.312** 7.92	**.033** 0.84	**.140** 3.56	31160	2-31160-1
		.728 18.49	**.585** 14.86	**.250** 6.35	**.281** 7.14	**.033** 0.84	**.125** 3.18	31270	2-31270-1
		.728 18.49	**.585** 14.86	**.250** 6.35	**.281** 7.14	**.033** 0.84	**.140** 3.56	31397	2-31397-1
	10	**.775** 19.69	**.616** 15.65	**.281** 7.14	**.312** 7.92	**.033** 0.84	**.125** 3.18	30997	2-30997-1
		.775 19.69	**.616** 15.65	**.281** 7.14	**.312** 7.92	**.033** 0.84	**.140** 3.56	31161	2-31161-1
		.728 18.49	**.585** 14.86	**.250** 6.35	**.281** 7.14	**.033** 0.84	**.140** 3.56	31398	2-31398-1
	1/4 M6	**1.009** 25.63	**.772** 19.61	**.437** 11.10	**.469** 11.91	**.033** 0.84	**.140** 3.56	31176	2-31176-1
		1.009 25.63	**.772** 19.61	**.437** 11.10	**.469** 11.91	**.033** 0.84	**.125** 3.18	31251	2-31251-1

Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.
[1]Slightly unusual tongue shape.

Ring Tongue Terminals (Continued)

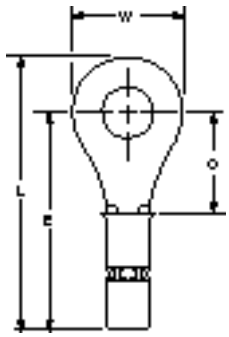
Wire Size Range

**AWG 16 to 10,
CMA 2,050 to 13,100
[1.04 to 6.64 mm²]**

Material

Terminal Body and Sleeve — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



Wire Size Circular Mils [mm²]	Stud Size	Dimensions L Max.	E Max.	C Min.	W	Material Thickness Max.	Wire Insulation Dia. Max.	Part Numbers Loose Piece	Tape Mounted
16–14 2,050–5,180 [1.04–2.62]	4	**.634** 16.10	**.506** 12.85	**.171** 4.34	**.250** 6.35	**.033** 0.84	**.150** 3.81	32187	—
		.634 16.10	**.506** 12.85	**.171** 4.34	**.250** 6.35	**.033** 0.84	**.170** 4.32	32189	—
	6 M3.5	**.790** 20.07	**.616** 15.65	**.281** 7.14	**.343** 8.71	**.033** 0.84	**.170** 4.32	30926	—
		.634 16.10	**.506** 12.85	**.171** 4.34	**.250** 6.35	**.033** 0.84	**.150** 3.81	32188	—
		.634 16.10	**.506** 12.85	**.171** 4.34	**.250** 6.35	**.033** 0.84	**.170** 4.32	32190	2-32190-1
	8 M4	**.790** 20.07	**.616** 15.65	**.281** 7.14	**.343** 8.71	**.033** 0.84	**.170** 4.32	30927	2-30927-1
	10	**.790** 20.07	**.616** 15.65	**.281** 7.14	**.343** 8.71	**.033** 0.84	**.170** 4.32	30928	2-30928-1
		.790 20.07	**.616** 15.65	**.281** 7.14	**.343** 8.71	**.033** 0.84	**.150** 3.81	30993	2-30993-1
	1/4 M6	**1.009** 25.63	**.772** 19.61	**.437** 11.10	**.469** 11.91	**.033** 0.84	**.150** 3.81	31256	—
	5/16 M8	**1.009** 25.63	**.772** 19.61	**.437** 11.10	**.469** 11.91	**.033** 0.84	**.170** 4.32	31169	2-31169-1
16–14HD[1] 2,050–5,180 [1.04–2.62]	10	**.970** 24.64	**.796** 20.22	**.281** 7.14	**.343** 8.71	**.050** 1.27	**.230** 5.84	33722	2-33722-1
	1/4 M6	**1.220** 30.99	**.952** 24.18	**.437** 11.10	**.531** 13.49	**.050** 1.27	**.230** 5.84	33639	—
		1.282 32.56	**1.014** 25.76	**.437** 11.10	**.531** 13.49	**.050** 1.27	**.300** 7.62	322296	—
12–10 5,180–13,100 [2.62–6.64]	6 M3.5	**1.007** 25.58	**.817** 20.75	**.302** 7.67	**.375** 9.53	**.042** 1.07	**.230** 5.84	31825	—
		.877 22.28	**.734** 18.64	**.219** 5.56	**.281** 7.14	**.042** 1.07	**.230** 5.84	321501	2-321501-1
		.976 24.79	**.817** 20.75	**.302** 7.67	**.312** 7.92	**.042** 1.07	**.230** 5.84	326889	—
	8 M4	**.955** 24.26	**.796** 20.22	**.281** 7.14	**.312** 7.92	**.042** 1.07	**.230** 5.84	324523	—
	10	**1.007** 25.58	**.817** 20.75	**.302** 7.67	**.375** 9.53	**.042** 1.07	**.230** 5.84	31771	2-31771-1
	1/4 M6	**1.251** 31.78	**.983** 24.97	**.468** 11.89	**.531** 13.49	**.042** 1.07	**.230** 5.84	31772	2-31772-1
	3/8	**1.345** 34.16	**1.046** 26.57	**.531** 13.49	**.593** 15.06	**.042** 1.07	**.230** 5.84	31828	—

Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.
[1]Heavy Duty for extra mechanical strength.

Knife Disconnect Splices

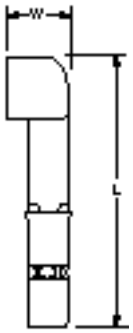
Wire Size Range

**AWG 22 to 10,
CMA 509 to 13,100
[0.26 to 6.64 mm²]**

Material

Splice Body and Sleeve — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



Wire Size Circular Mils [mm²]	Dimensions L Max.	Dimensions W	Wire Insulation Dia. Max.	Part Numbers Loose Piece	Part Numbers Tape Mounted
22–16 509–3,260 [0.26–1.65]	**.794** 20.17	**.203** 5.16	**.125** 3.18	31770	—
	.794 20.17	**.203** 5.16	**.140** 3.56	31777	2-31777-1
16–14 2,050–5,180 [1.04–2.62]	**.794** 20.17	**.203** 5.16	**.150** 3.81	31943	—
	.794 20.17	**.203** 5.16	**.170** 4.32	31944	—
12–10 5,180–13,100 [2.62–6.64]	**1.176** 29.87	**.281** 7.14	**.230** 5.84	31942	2-31942-1

Slotted Ring Tongue Terminals

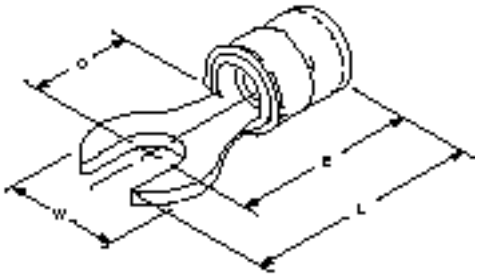
Wire Size Range

**AWG 26 to 16,
CMA 202 to 3,260
[0.1 to 1.65 mm²]**

Material

Terminal Body and Sleeve — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



Wire Size Circular Mils [mm²]	Stud Size	Dimensions L Max.	Dimensions E Max.	Dimensions C Min.	Dimensions W	Material Thickness Max.	Wire Insulation Dia. Max.	Part Numbers Loose Piece	Part Numbers Tape Mounted
26–22 202–810 [0.1–0.41]	6 M3.5	**.658** 16.71	**.551** 14.00	**.281** 7.14	**.250** 6.35	**.020** 0.51	**.082** 2.08	322210	—
22–16 509–3,260 [0.26–1.65]	6 M3.5	**.710** 18.03	**.585** 14.86	**.250** 6.35	**.281** 7.14	**.033** 0.84	**.125** 3.18	34101	—
	8 M4	**.701** 17.81	**.585** 14.86	**.250** 6.35	**.281** 7.14	**.033** 0.84	**.140** 3.56	321543	—

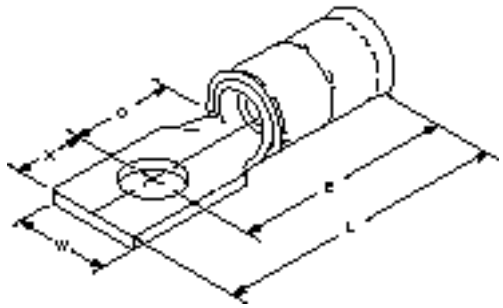
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

Rectangular Tongue Terminals

Wire Size Range
AWG 22 to 16,
CMA 509 to 3,260
[0.26 to 1.65 mm²]

Material

Terminal Body and Sleeve — Copper per ASTM B-152
Plating — Tin per MIL-T-10727



Wire Size Circular Mils [mm²]	Stud Size	Dimensions L Max.	E Max.	C Min.	W	Material Thickness Max.	Wire Insulation Dia. Max.	Part Numbers Loose Piece	Tape Mounted
22–16 509–3,260 [0.26–1.65]	5 M3	**.786** 19.96	**.633** 16.08	**.277** 7.04	**.277** 7.04	**.033** 0.84	**.140** 3.56	328500	—

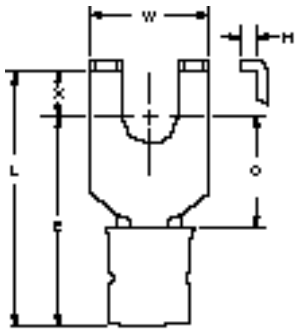
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

Flanged Spade Tongue Terminals

Wire Size Range
AWG 26 to 14,
CMA 202 to 5,180
[0.1 to 2.62 mm²]

Material

Terminal Body and Sleeve — Copper per ASTM B-152
Plating — Tin per MIL-T-10727



Wire Size Circular Mils [mm²]	Stud Size	Dimensions L Max.	E Max.	C Min.	W	X	H	Material Thickness Max.	Wire Insulation Dia. Max.	Part Numbers Loose Piece	Tape Mounted
26–22 202–810 [0.1–0.41]	2 M2	**.588** 14.94	**.473** 12.01	**.203** 5.16	**.182** 4.62	**.110** 2.79	**.031** 0.79	**.020** 0.51	**.082** 2.08	324598	2-324598-1
22–16 509–3,260 [0.26–1.65]	6 M3.5	**.668** 16.97	**.538** 13.67	**.203** 5.16	**.296** 7.52	**.125** 3.18	**.046** 1.17	**.033** 0.84	**.125** 3.18	32419	2-32419-1
	8 M4	**.761** 19.33	**.585** 14.86	**.250** 6.35	**.416** 10.57	**.171** 4.34	**.062** 1.57	**.033** 0.84	**.125** 3.18	32495	—
16–14 2,050–5,180 [1.04–2.62]	8 M4	**.685** 17.40	**.555** 14.10	**.203** 5.16	**.294** 7.47	**.125** 3.18	**.052** 1.32	**.033** 0.84	**.170** 4.32	320859	—

Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

Spade Tongue Terminals

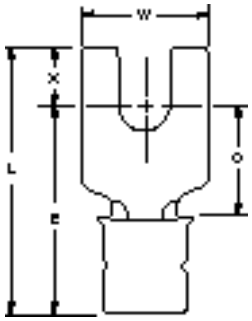
Wire Size Range

**AWG 26 to 16,
CMA 202 to 3,260
[0.1 to 1.65 mm²]**

Material

Terminal Body and Sleeve — Copper per ASTM B-152

Plating — Tin per MIL-T-10727



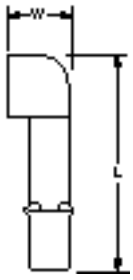
Wire Size Circular Mils [mm²]	Stud Size	Dimensions					Material Thickness Max.	Wire Insulation Dia. Max.	Part Numbers	
		L Max.	E Max.	C Min.	W	X			Loose Piece	Tape Mounted
26–22 202–810 [0.1–0.41]	0	**.415** 10.54	**.348** 8.84	**.078** 1.98	**.125** 3.18	**.062** 1.57	**.020** 0.51	**.082** 2.08	32502	—
	4	**.558** 14.17	**.481** 12.22	**.211** 5.36	**.203** 5.16	**.072** 1.83	**.020** 0.51	**.082** 2.08	34248	—
22–16 509–3,260 [0.26–1.65]	6 M3.5	**.684** 17.37	**.538** 13.67	**.203** 5.16	**.297** 7.54	**.141** 3.58	**.033** 0.84	**.125** 3.18	33766	—
	6 M3.5	**.684** 17.37	**.538** 13.67	**.203** 5.16	**.297** 7.54	**.141** 3.58	**.033** 0.84	**.140** 3.56	33799	—
	10	**.807** 20.50	**.631** 16.03	**.296** 7.52	**.343** 8.71	**.171** 4.34	**.033** 0.84	**.125** 3.18	320379	—

Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

Knife Disconnect Splices

Wire Size Range
**AWG 22 to 8,
CMA 509 to 20,800
[0.26 to 10.5 mm²]**

Material
Splice Body and Sleeve — Copper per ASTM B-152
Plating — Tin per MIL-T-10727

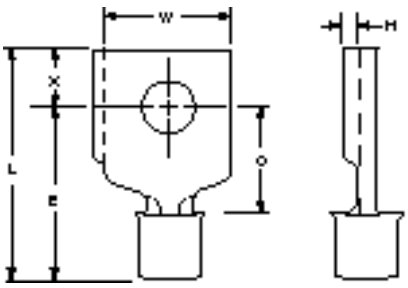


Wire Size Circular Mils [mm²]	Dimensions		Part Numbers
	L Max.	W	Loose Piece
22–16 509–3,260 [0.26–1.65]	**.745** 18.92	**.203** 5.16	31762
16–14 2,050–5,180 [1.04–2.62]	**.750** 19.05	**.203** 5.16	31763
12–10 5,180–13,100 [2.62–6.64]	**.940** 23.88	**.281** 7.14	31945
8 13,100–20,800 [6.64–10.5]	**1.225** 31.12	**.390** 9.91	32161

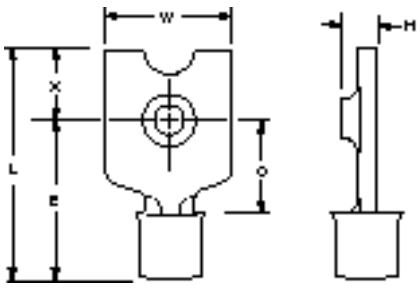
Rectangular Tongue Terminals

Wire Size Range
**AWG 22 to 14,
CMA 509 to 5,180
[0.26 to 2.62 mm²]**

Material
Terminal Body and Sleeve — Copper per ASTM B-152
Plating — Tin per MIL-T-10727



**Style A
with Side Flange**



**Style B
with Bossed Hole**

Wire Size Circular Mils [mm²]	Stud Size	Style	Dimensions						Material Thickness Max.	Part Numbers
			L Max.	E Max.	C Min.	W	X	H		Loose Piece
22–16 509–3,260 [0.26–1.65]	6 M3.5	B	**.733** 18.62	**.541** 13.74	**.250** 6.35	**.250** 6.35	**.187** 4.75	**.047** 1.19	**.033** 0.84	320671
16–14 2,050–5,180 [1.04–2.62]	8 M4	A	**.647** 16.43	**.484** 12.29	**.219** 5.56	**.344** 8.74	**.156** 3.96	**.094** 2.39	**.033** 0.84	31674

Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

SOLISTRAND Military Approved Terminals

Military Specification	SOLISTRAND Approval	Approved Wire Range
MS 20659	Class 1 & 2	12-10
MS 20659	Class 2 Only	8-4/0
M7928/7	Class 2 Only*	22-14

SOLISTRAND Class 1 and Class 2 military approved terminals meet the performance requirements outlined in specification Mil-T-7928G.

*320093 also class 1 approved.

Class 1 and Class 2 Military Approvals

Approval	Dimensional Requirement	Application Tooling	Use	Performance Requirement
Class 1	Terminals must comply with the dimensional requirements specified by the military.	Hand application tool which must conform to the military's dimensional and performance specification.	For procurement by government agencies for maintenance and repair.	Per Military Specification Mil-T-7928G
Class 2	Dimensional requirements are maintained by the terminal manufacturers. For field repair purposes Class 2 terminals must be capable of being replaced by Class 1 Terminals	The terminal manufacturers recommended application tooling. **Note:** Several tape mounted SOLISTRAND part numbers are currently Class 2 approved.	For procurement by contractors and manufacurers for high volume production, modification, and repair.	

Note: Where class 2 approval exists all similar (form, fit and function) parts in that product line are approved.

Cross Reference Military to AMP Part Number

Military Specification M7928/7

Wire Size Range AWG 22 to 14

AWG	M7928/7 Dash Numbers	SOLISTRAND Part Numbers	Class	Stud Size
22-18	1	34103 2-34103-1	2	2
	2	34104 2-34104-6	2	4
	3	34110 2-34110-3	2	6
	4	34112 2-34112-2	2	10
	5	34114 2-34114-2	2	5/6
	6	34115 2-34115-2	2	3/8
16-14	7	321684 2-321684-1	2	6
	8	320093 2-320093-1	1 & 2	10
	9	34125 2-34125-6	2	5/16
	10	34126 2-34126-2	2	3/8
	11	34119 2-34119-1	2	4

Note: Part numbers are shown as loose piece over tape mounted product.

Cross Reference Military to AMP Part Number

Military Specification
MS 20659

Wire Size Range
AWG 12 to 4/0

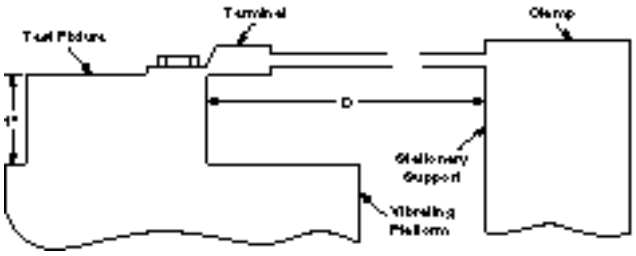
AWG	MS20659 Dash Numbers	SOLISTRAND Part Numbers	Class	Stud Size
12-10	105	33457	1&2	10
		2-33457-2	2	
	106	33459	1&2	5/16
		2-33459-6	2	
8	107	31807	2	10
		2-31807-2		
	108	31808	2	5/16
6	109	321598	2	1/4
	110	33467	2	3/8
4	111	31811	2	1/4
	112	31812	2	3/8
2	113	320383	2	1/4
	114	321600	2	3/8
1/0	117	321866	2	1/4
	118	321868	2	3/8
2/0	119	321870	2	5/16
	120	321871	2	3/8
3/0	121	321875	2	3/8
	122	321877	2	1/2
4/0	123	321878	2	3/8
	124	321880	2	1/2
12-10	128	33220	1&2	3/8
8	129	33463	2	3/8
6	130	321298	2	10
	131	33466	2	5/16
		2-33466-3		
4	132	33115	2	5/16
1/0	135	36919	2	1/2
2/0	136	321873	2	1/2
4/0	137	321625	2	7/8
8	140	324061	2	8
	141	33461	2	1/4
		2-33461-2		
6	143	320344	2	1/2
4	144	33114	2	10
	145	327175	2	1/2
2	146	330301	2	10
	147	322870	2	5/16
	148	320741	2	7/16
1/0	151	321867	2	5/16
	152	36918	2	7/16
2/0	153	321869	2	1/4
	154	321872	2	7/16
3/0	155	321874	2	5/16
	156	321876	2	7/16
4/0	157	321271	2	5/16
	158	321879	2	7/16
	159	36935	2	5/8
	160	322228	2	3/4
12-10	165	35476	2	6
		2-35476-1		
	166	35135	2	1/2

Note: Part numbers are shown as loose piece over tape mounted product.

Description of MIL-T-7928G Test Procedures and Requirements for Terminals

Test Group	Test Sequence	Test Type	Test Description
1	A	Current Cycling	Samples subjected to 50 cycles, each cyle consisting of 30 minutes at 125% of the current listed on page 48 followed by 15 minutes with no load.
	B	Voltage Drop	See test method and requirements on page 48.
2	A	Vibration	See test method on page 46.
	B	Voltage Drop	See test method and requirements on page 48.
	C	Tensile	See test method and requirements on page 47.
3	A	Salt Spray/Corrosion	Samples subjected to a salt spray/fog for 48 hours. Salt concentration to be 5%, temperature to be 35° C (95°) F, relative humidity to be 95-98%.
	B	Voltage Drop	See test method and requirements on page 48.
	C	Tensile	See test method and requirements on page 47.
4	A	Heat Age	Samples subjected to 193° C for 120 hours then cooled to 23° C within one hour.
	B	Salt Spray/Corrosion	Samples subjected to a salt spray/fog for 48 hours. Salt concentration to be 5%, temperature to be 35° C (95°) F, relative humidity to be 95-98%.
	C	Voltage Drop	See test method and requirements on page 48.
	D	Tensile	See test method and requirements on page 47.

Procedure for Vibration Testing of Terminals per MIL-T-7928G



Wire Size	"D" Dimension	Duration of Test
#12 AWG and larger or terminals with insulation support	12 inches	18 hours each on horizontal and vertical axis.
#14 AWG and smaller with no insulation support	17 inches	2 hours each on horizontal and vertical axis.

Vibration to be a simple harmonic motion with an amplitude of 0.03 inches (0.06 total excursion). Frequency to vary uniformly from 10–55 Hz and back to 10 Hz. Frequency to be traversed in approximately one minute.

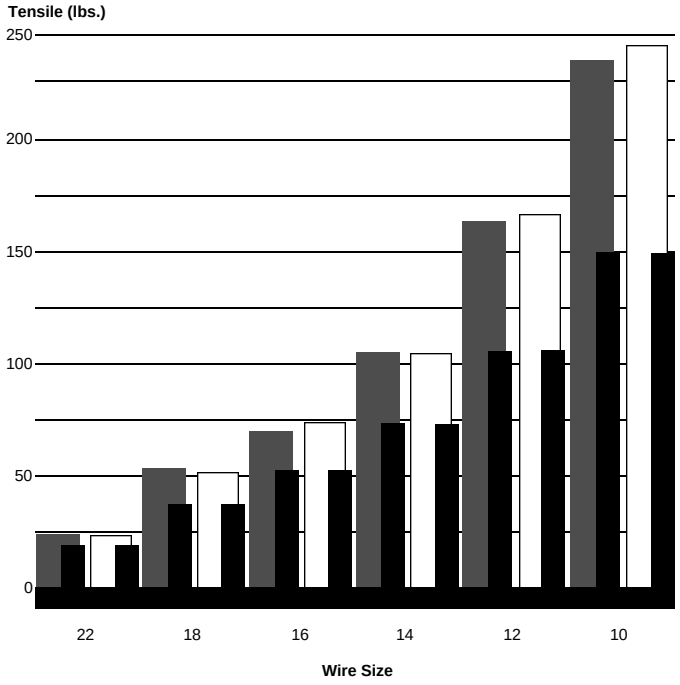
Military Tensile Test Results

Tensile Requirements Per MIL-T-7928G

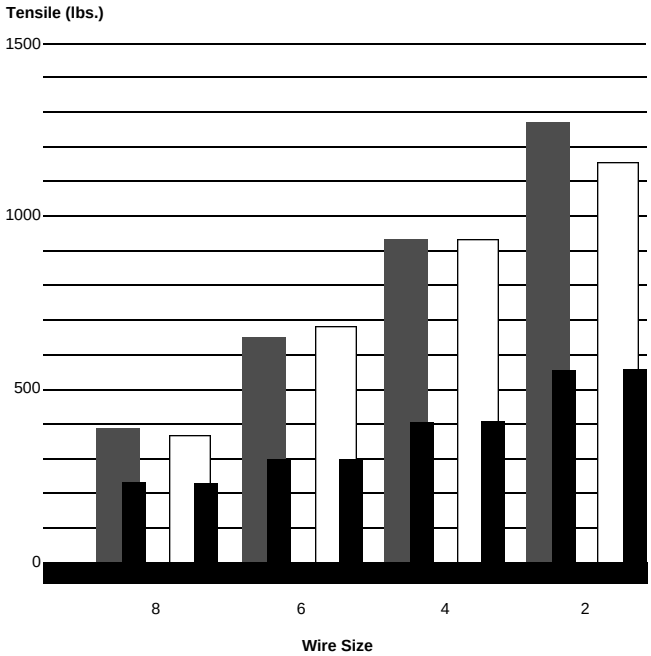
Wire Size AWG	Minimum Tensile Strength (Lbs)
22	15
20	19
18	38
16	50
14	70
12	110
10	150
8	225
6	300
4	400
2	550
1/0	700
2/0	750
3/0	825
4/0	875

Note: 1. Samples tensile tested to destruction at a rate of one inch/ minute using military approved wire.

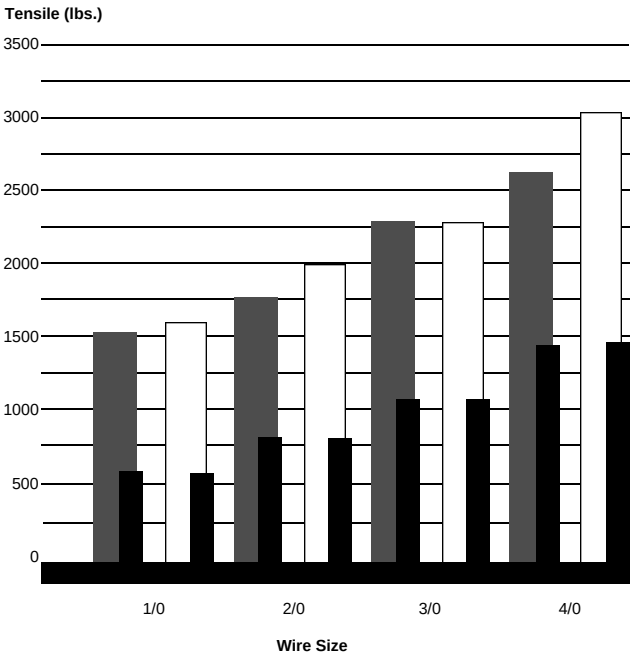
SOLISTRAND Tensile Test Results Wire Sizes 22 – 10



SOLISTRAND Tensile Test Results Wire Sizes 8 – 2



SOLISTRAND Tensile Test Results Wire Sizes 1/0 – 4/0



Tensile after Vibration

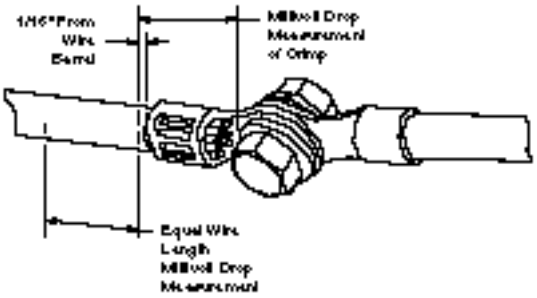
Tensile after Salt Spray

MIL-T-7928 Requirement

For drawings, technical data or samples, contact your AMP sales engineer or call the AMP Technical Support Center 1-800-522-6752.
Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.
Specifications subject to change. Consult AMP for latest specifications.

Illustration of Millivolt Drop Measurement Procedure

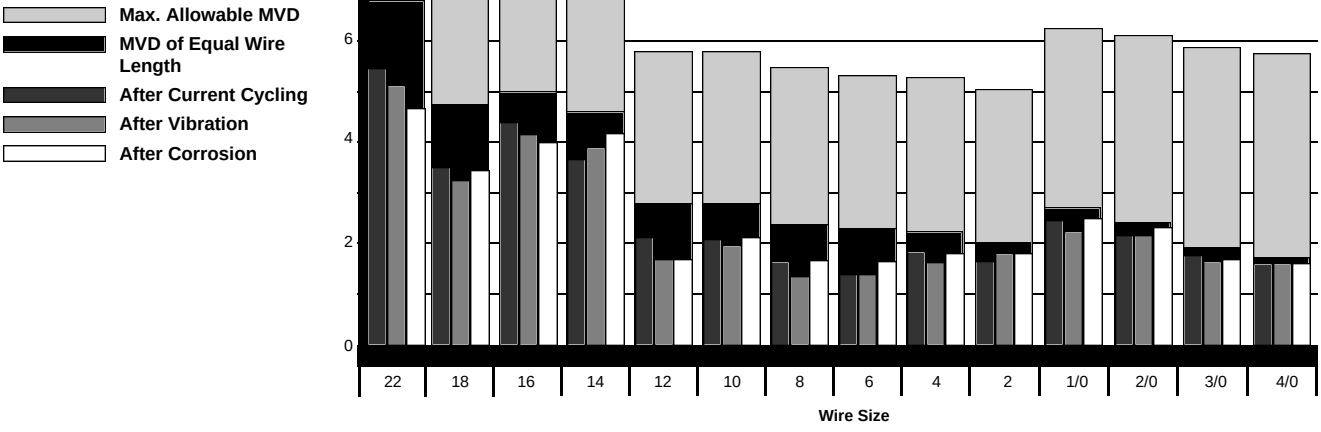
Military Specification
MIL-T-7928G



Wire Size AWG	Test Current (Amperes)	Maximum Crimp MVD = EWL Measurement + Valve Listed Below	
		Initial Terminal	Final Terminal
22	9	1	3
20	11		
18	16		
16	22		
14	32		
12	41		
10	55		
8	73		
6	101		
4	135		
2	181		
1/0	245	2	4
2/0	283		
3/0	328		
4/0	380		

Military Millivolt Drop Test Results

SOLISTRAND
Millivolt Drop Results
Per MIL-T-7928G
Using Military Approved Wire



For drawings, technical data or samples, contact your AMP sales engineer or call the AMP Technical Support Center 1-800-522-6752.
Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.
Specifications subject to change. Consult AMP for latest specifications.

Description of UL 486A Test Procedures and Requirements for Terminals

Wire Size Range

AWG 22 to 600 MCM

Test Sequences

Test Group 1
Mechanical Sequence

1. Secureness
2. Pullout

Test Group 2
Mechanical Sequence

1. Secureness
2. Static Heat
3. Pullout

Pullout Test Requirements

Terminal must not be separate from wire when subjected to the listed load for one minute.

Wire Size AWG	Pullout Force (lbs.)
22	8
20	13
18	20
16	30
14	50
12	70
10	80
8	90
6	100
4	140
2	180
1/0	250
2/0	300
3/0	350
4/0	450
250	500
300	550
350	600
400	650
500	800
600	900

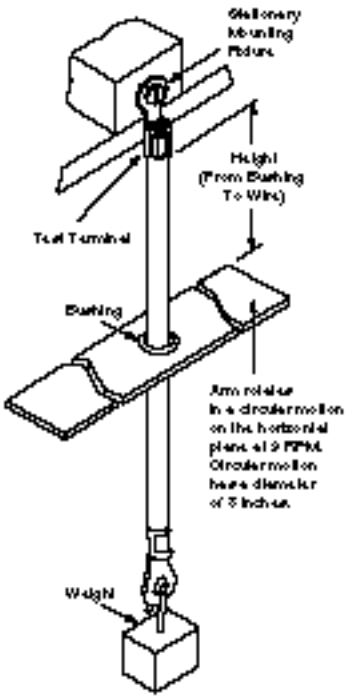
Note: Testing conducted on non-plated copper wire with UL approved insulation.

Static Heat Test Requirements

Wire Size AWG	Test Current (Amperes)
22	9
20	12
18	17
16	18
14	30
12	35
10	50
8	70
6	95
4	125
2	170
1/0	230
2/0	265
3/0	310
4/0	360
250	405
300	445
350	505
400	545
500	620
600	690

Requirement:
Connector temperatures must not exceed the ambient temperature plus 50°C [90°F] after stability is attained.

Stability:
A test sample is considered to have attained a stable temperature when three readings taken at not less than 10 minute intervals show no more than a 2°C [3.6°F] variation between any two readings.



Secureness Test Requirements

Wire Size AWG	Bushing Dia.	Height	Weight (lbs.)
18-16	1/4	10 1/4	2
14	3/8	11	3
12-10	3/8	11	5
8	3/8	11	8
6	1/2	11 3/4	18
4	1/2	11 3/4	30
2	9/16	12 1/2	30
1/0	5/8	13 1/2	50
2/0	3/4	14 1/2	50
3/0	3/4	14 1/2	60
4/0	3/4	14 1/2	60
250	7/8	16	60
300	7/8	16	80
350-400	1	17	80
500-600	1 1/8	18 1/4	100

Note: Test Duration = 30 Minutes

Description of UL 486A & C Test Procedures and Requirements for Butt and Parallel Type Splices

UL 486 C Wire Size
AWG 22 to 6

UL 486 A Wire Size
AWG 4 to 600 MCM

Test Sequences

Test Group 1
Mechanical Sequence
1. Secureness
2. Pullout

Test Group 2
Mechanical Sequence
1. Secureness
2. Static Heat
3. Pullout

Pullout Test Requirements

Splices must not be separate from wire when subjected to the listed load for one minute.

Wire Size AWG	Pullout Force (lbs.)
22	8
20	10
18	10
16	15
14	25
12	35
10	40
8	45
6	50
4	140
2	180
1/0	250
2/0	300
3/0	350
4/0	450
250	500
300	550
350	600
400	650
500	800
600	900

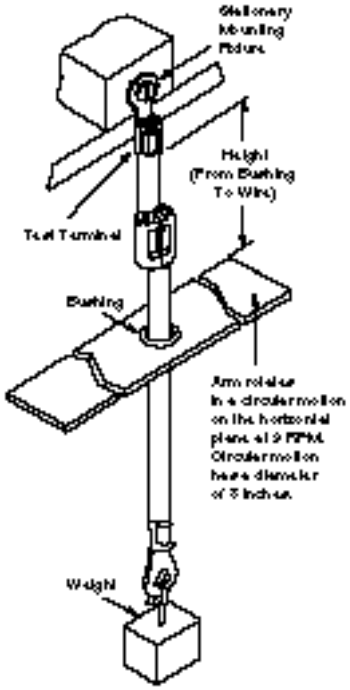
Note: Testing conducted on non-plated copper wire with UL approved insulation.

Static Heat Test Requirements

Wire Size AWG	Test Current (Amperes)
22	9
20	12
18	17
16	18
14	30
12	35
10	50
8	70
6	95
4	125
2	170
1/0	230
2/0	265
3/0	310
4/0	360
250	405
300	445
350	505
400	545
500	620
600	690

Requirement:
Connector temperatures must not exceed the ambient temperature plus 50°C [90°F] after stability is attained.

Stability:
A test sample is considered to have attained a stable temperature when three readings taken at not less than 10 minute intervals show no more than a 2°C [3.6°F] variation between any two readings.



Secureness Test Requirements

Wire Size AWG	Bushing Dia.	Height	Weight (lbs.)
18-16	1/4	10 1/4	2
14	3/8	11	3
12-10	3/8	11	5
8	3/8	11	8
6	1/2	11 3/4	18
4	1/2	11 3/4	30

Note: Test Duration=30 Minutes

Application Tooling Information for SOLISTRAND, Budget and DIAMOND GRIP Products

Wire Size Range
AWG 26 to 6

Product Type	AMP Wire Size	Hand Tools	Pneumatic Tooling			Tooling For Tape Mounted Products
			Crimping Heads for 6-26, Tool 189721-1		Dies for 6-26, Tool 189721-1 Requires Straight Action Adapter 217200-1 or 318161-1 Dies Also Fit 69710-1 Hand Tool	Dies for 69875 AMP-TAPETRONIC AMP-O-LECTRIC[6] Requires Applicator AMPOMATOR CLS IV Requires Applicators
			Single Wire Range	Multiple Wire Range		
All SOLISTRAND terminals and splices except for Flag Tongue terminals	26-22	69363[2]	—	—	—	—
	24-20					
	22-16	49935[2] 58546-1[3]	314516-1	679301-1	47812	68240-1
	16-14		314517-1	679301-1	47813	68241-1
	12-10 & 16-14 HD		—	679301-1	47814[1]	68242-1
	14-12	49592[2]	314518-1	—	—	90566-1
	8	—	679302-1	—	—	68243-1
	6	—	679303-1	—	—	—
Flag Tongue terminals only	16-14	49975[2]	217204-1	—	—	Flag terminals not available in tape mounted form
	12-10	49965[2]	217203-1			
Budget terminals and splices	26-22	69363[2]	—	—	—	—
	22-16	58508-1[4]				68259-1
	16-14	58508-1[4]				68094
	12-10 & 16-14 HD	49656, 58508-1[4]				68260-1
DIAMOND GRIP terminals and splices	26-22	48070	—	—	—	69902
	24-20	—	—	—	—	—
	22-16	49512	—	—	—	69903
	16-14	49513	—	—	46251-2	69904
	12-10 & 16-14 HD	59054	—	—	—	—
Standard "B" terminals	26-22	—	—	—	—	—
	22-16	48364	—	—	—	—
	16-14	—	—	—	—	—
	12-10	49736	—	—	—	—
	8	49737	—	—	—	—

[1]For standard wire only.
[2]CERTI-CRIMPHand Tool.
[3]Contains die set 58545-1. PRO-CRIMPER II commercial tool not approved for UL applications.
[4]Contains die set 58509-1. PRO-CRIMPER II commercial tool not approved for UL applications. Not approved for use with Budget Spring Spade terminals.
[5]With locator, for terminals only.
[6]Call Tooling Assistance Center for Machine & Applicator part numbers.

Chart lists common AMP Application Tooling. For additional information call the Tooling Assistance Center 1-800-722-1111.

Application Tooling Information for SOLISTRAND Terminals and Splices

Wire Size Range
AWG 8 to 600 MCM

Product Type	AMP Wire Size	Hand Tool	Pneumatic Tooling: 69015	Hydraulic Tools With Self-Contained Dies: Hand Tool	Latch Head	59973-1 Hand Tool, 69065[2] & 69067[2] Latch Heads: Nest	Indent	Hydraulic and Battery Powered Tools With Interchangeable Dies: 69097[2] "C" Head: Nest	Indent	59445-1[2] Latch Head	69082[2] "C" Head	69099[2] "C" Head	Tooling For Tape Mounted Product: Dies for 69275 AMP-TAPETRONIC	Dies for 69250-1 HD AMP-TAPETRONIC
													Listed dies are single indent. See product information for proper tape application tooling selection	
Standard Terminals and Splices	8	69035[1]	48956			48126	48355	46146	46145			69216	68243-1	68312-1
	6	59083 No CERTI-CRIMP	48172	59975-1	69069[2]	48128		46134				69217		68313-1
	4	59131	48173			48129	48127	46135	46133	—		69218		
	2		48174			48130		46136				45433		
	1/0		48183			48132		46138	46137			45435		
	2/0					48133	48131					45439		
	3/0					48134						45442		
	4/0					300430						45445		
	250-300 MCM									48816	69911			
	300-350 MCM									48817	69912			
	400 MCM				—					48818	69913	—		
	500-600 MCM									48819	69914			
Heavy Duty Terminals	8 HD					48128-1	48127-1							
	6 HD					48129-1								
	4 HD			—		48130-1				—				
	2 HD					48132-1	48131-1							
	1/0 HD					48133-1								
Tooling for Flag Terminals only	8		48412			Only the 69067 head can be used for Flag terminals								
						48506	48505							
	6		48413			48508								
	4		48414	—		48509	48507			—				
	2		48415			48510								
	1/0	—[1]	48416			48552								
	2/0					48505	48511							
	3/0		—[1]			48506								
	4/0					48507								

[1]CERTI-CRIMP Hand Tool.
[2]These crimping heads are recommended for use only with AMP Hydraulic Hand Pump 314979-1, DYNA-CRIMP Hydraulic Power Units 69120-1 (115 VAC) and 69120-2 (230 VAC), and with DYNA-CRIMP II Battery Operated Hydraulic Power Unit 122271-1. See pages 55 & 56.

Chart lists common AMP Application Tooling. For additional information call the Tooling Assistance Center 1-800-722-1111.

Application Tooling

Loose Form Terminal and Splice Tooling

CERTI-CRIMP Hand Tools

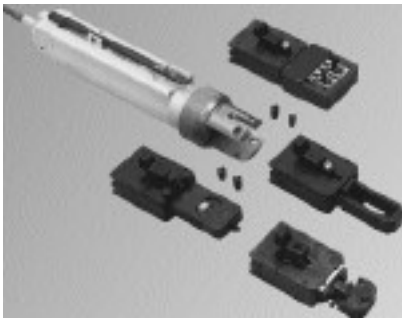
Double Action
Hand Tool

Heavy Head Hand Tool
Part No. 69355

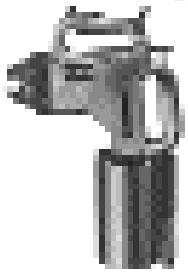
"C" Head Straight
Action Hand Tool
Part No. 69710–1

PRO-CRIMPER II
Hand Tool
Part No. 58546-1 SOLISTRAND
58508-1 Budget

Pneumatic Tools



6-26 Pneumatic Tool
Part No. 189721-1



Part No. 69015

Hydraulic Hand Tools

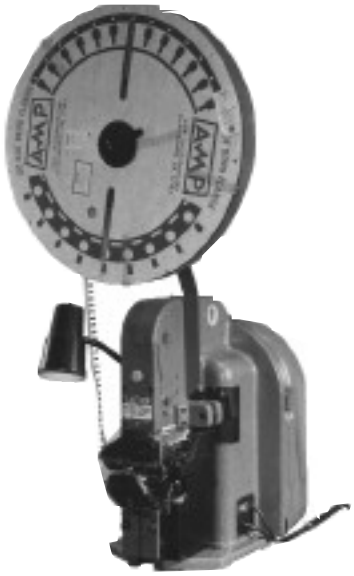
Part No. 59975-1
(Self Contained Dies)

Part No. 59973-1
(Dies Required)

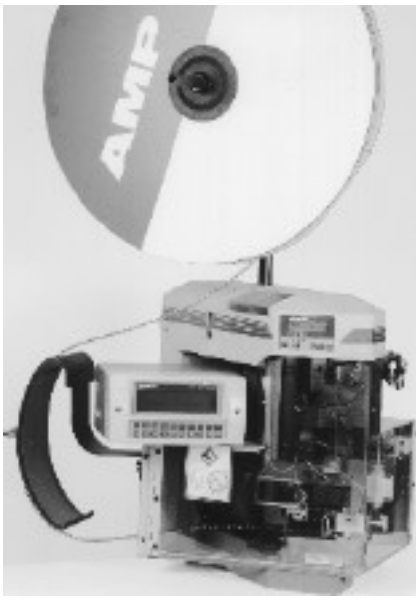
For additional tooling information, call 1-800-722-1111.

Application Tooling (Continued)

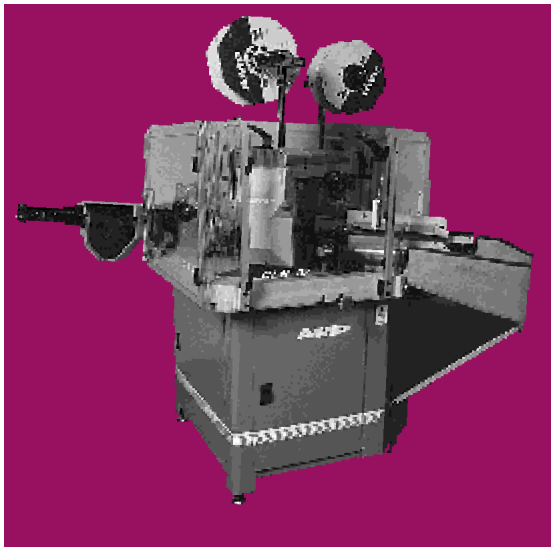
Tape Mounted



**AMP-TAPETRONIC Machine
69875, 68250-1
(Requires Dies)**



**AMP-O-LECTRIC, Model “G” Machine
(Requires Applicator and Dies)**



**AMPOMATOR CLS IV Machine 217500-1
(Requires Applicators and Dies)**

**Entry Level Terminator
(Requires Applicators and Dies)**

For additional tooling information, call 1-800-722-1111.

Application Tooling (Continued)

Latch Heads and Dies

Part No.
69065

Part No.
58445-1

Part No.
69067

Part No. 69069
(Self Contained Dies)

Part No.
69099

Part No.
69082

Part No.
69097

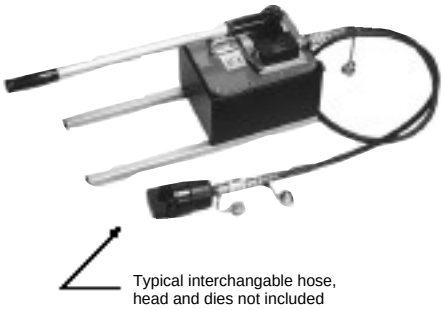
For additional tooling information, call 1-800-722-1111.

Application Tooling (Continued)

DYNA-CRIMP II Battery Operated Hydraulic Power Unit

Part No. 122271-1[4]

Hand Operated Power Unit



Typical interchangable hose, head and dies not included

314979-1[2] (Hose, head and dies not included)

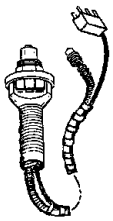
Refer to the table below for accessories.

DYNA-CRIMP Electric Hydraulic Power Unit

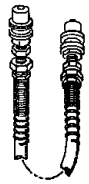
Power Unit Only
(Includes Pressure Release)

115 Volts (60 Hz) — 69120-1[3]
230 Volts (60 Hz) — 69120-2[3]

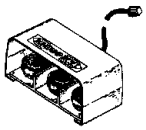
AMP application tools are designed to produce a carefully controlled uniform pressure crimp, regardless of how they are powered. All tools shown are specially designed for AMP products and are precision machined from hard tool steel.



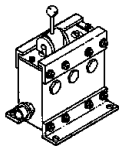
Handle Control



Hose Assembly



Foot Control



Multidirectional Valve

Power Units Accessories

For Use With Power Unit No.	Accessory Description	Accessory Part No.	Remarks
69120-1[3] 69120-2[3] 314979-1[2] 122271-1[4]	7' Handle Control Assembly—Hose & Cord 15' Handle Control Assembly—Hose & Cord 21' Handle Control Assembly—Hose & Cord 28' Handle Control Assembly—Hose & Cord	59907-7 1-59907-5 2-59907-1 2-59907-8	
	15' Foot Switch Assembly	68284-1	Need Hose Assembly
	3' Hose Assembly 7' Hose Assembly 15' Hose Assembly 21' Hose Assembly	59909-3 59909-7 1-59909-5 2-59909-1	68284-1 Foot Switch Assembly needed with these Hose Assemblies and 69120
	2' Hose Assembly (1/4" I.D.) 3' Hose Assembly (1/4" I.D.) 7' Hose Assembly (1/4" I.D.) 15' Hose Assembly (1/4" I.D.)	314990-1 314990-2 314990-3 314990-4	More Flexible, Lighter Weight. Recommended for use with DYNA-CRIMP II Battery Operated Hydraulic Power Unit
69120-1[3] 69120-2[3]	3-Way Multi-Directional Value 3-Way Multi-Directional Value (Elec.Ctl)	59220[1] 59220-2[1]	For use with Foot Switch only

[1] Contact AMP Incorporated for usage recommendations.
[2] Also see AMP Customer Manual 409-5860.
[3] Also see AMP Customer Manual 409-1950.
[4] Also see AMP Customer Manual 409-5869.

Note: All Hoses and Handle Control Assemblies have a 3⁄8" high flow male coupler (311470-1) on each end.
All Power Units and Heads have a 3⁄8" high flow female coupler (311471-1).

For additional tooling information, call 1-800-722-1111.

Part Number Index

Note: This numerical index lists all cataloged parts by base no. only. Complete part nos. (with prefixes and/or suffixes) are shown on the page(s) indicated.

Part Number Index (Continued)

Part Number Index (Continued)

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