

TABLE 1 — W

Cable Adapter Sizes

CABLE INSULATION DIAMETER (INCHES) * REFER TO TABLE 5				"W"
MINIMUM		MAXIMUM		
IN	MM	IN	MM	
.495	12.57	.675	17.15	E
.640	16.26	.820	20.83	F
.760	19.30	.950	24.13	G
.850	21.59	1.050	26.67	H
.980	24.89	1.180	29.97	J
1.090	27.69	1.310	33.27	K
1.180	29.97	1.465	37.21	L
1.280	32.51	1.480	37.59	LM
1.370	34.80	1.630	41.40	M
1.480	37.59	1.700	43.18	MN
1.515	38.48	1.780	45.21	N
1.665	42.29	1.785	45.34	PA
1.725	43.82	1.935	49.15	P
1.795	45.59	1.935	49.15	PQ
1.900	48.26	2.120	53.85	Q**

** 35kV only.

TABLE 2 — W1

200A Elbow Sizes

Use for 200A Elbows 21LBNWX 21LBTWX	CABLE INSULATION DIAMETER (INCHES) * REFER TO TABLE 5				"W"
	MINIMUM		MAXIMUM		
	IN	MM	IN	MM	
	.575	14.61	.740	18.80	A
	.665	16.89	.905	20.69	B
	.830	21.08	1.060	26.92	C
	.930	23.62	1.220	30.99	D

TABLE 3 — X

Cable Sizes

CABLE SIZE	CONTACT DESIGNATION			
	STRANDED/COMPRESSED CABLE		COMPACT/SOLID CABLE	
	"X"	COMPETITOR	"X"	COMPETITOR
#4	5	200	4	190
#3	6	210	5	200
#2	7	220	6	210
#1	8	230	7	220
1/0 AWG	9	240	8	230
2/0 AWG	10	250	9	240
3/0 AWG	11	260	10	250
4/0 AWG	12	270	11	260
250 kcmil	13	280	12	270
300 kcmil	14	290	13	280
350 kcmil	15	300	14	290
400 kcmil	16	310	15	300
450 kcmil	17	320	16	310
500 kcmil	18	330	17	320
550 kcmil	19	340	18	320
600 kcmil	20	350	18	330
650 kcmil	211	360	19	340
700 kcmil	22	370	20	350
750 kcmil	23	380	211	360
800 kcmil	24	390	22	370
900 kcmil	26	400	23	380
1000 kcmil	28	410	26	400
1250 kcmil	29	440	contact factory	—
1500 kcmil	30	—	contact factory	—

200A loadbreak elbows available up to 250 kcmil only







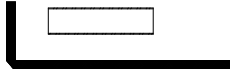
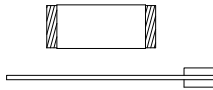
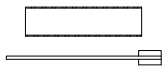
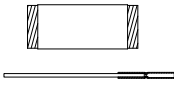
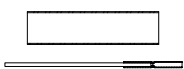
TABLE 4

Shield Adapters, Grounding Kits & Jacket Seals

Richards manufactures shield adapters, grounding kits and jacket seals for a wide variety of power cables. This chart illustrates the suggested application and selection of these parts for our most popular cable constructions. For additional information or recommendations regarding other cable types, please contact us.

<p>1</p> <p>PCRK005-1 (-AC added to kit) PCRK005-2 (-AD added to kit) <i>See Table 5</i></p>	<p>2</p> <p>PCRK46-2 (-FC added to kit) PCRK42-3 (-GD added to kit) <i>See Table 5</i></p> <p>PCRK12-3 (-BC added to kit) PCRK16-2 (-DD added to kit) <i>See Table 5</i></p>
<p>3</p> <p>PCRK56-2 (-HC added to kit) PCRK52-3 (-JD added to kit) <i>See Table 5</i></p>	<p>4</p> <p>NONE REQUIRED</p>
<p>5</p> <p>10TL-X</p>	

TABLE 5

DRAWING	DESCRIPTION	PART NUMBER <i>If ordering separately</i>	SUFFIX <i>if ordering with a kit*</i>
	Cold-Shrink Seal (for Cable Adapter Size E-J)	PCRK005-1	-AC
	Cold-Shrink Seal (for Cable Adapter Size K-PQ)	PCRK005-2	-AD
	Heat-Shrink Seal (for Cable Adapter Size E-J)	PCRK001-1	-AE
	Heat-Shrink Seal (for Cable Adapter Size K-PQ)	PCRK001-2	-AF
	Tape/Lead Adapter	10TL-X	-TL-X
	Cold-Shrink & Braid w/Constant Force Spring (for Cable Adapter Size E-J)	PCRK16-2	-BC
	Cold-Shrink & Braid w/Constant Force Spring (for Cable Adapter Size K-PQ)	PCRK12-3	-DD
	Heat-Shrink & Braid w/Constant Force Spring (for Cable Adapter Size E-J)	PCRK16-4	-BE
	Heat-Shrink & Braid w/Constant Force Spring (for Cable Adapter Size K-PQ)	PCRK12-5	-DF
	Cold-Shrink & Copper Rod w/Constant Force Spring (for Cable Adapter Size E-J)	PCRK46-2	-FC
	Cold-Shrink & Copper Rod w/Constant Force Spring (for Cable Adapter Size K-PQ)	PCRK42-3	-GD
	Heat-Shrink & Copper Rod w/Constant Force Spring (for Cable Adapter Size E-J)	PCRK46-4	-FE
	Heat-Shrink & Copper Rod w/Constant Force Spring (for Cable Adapter Size K-PQ)	PCRK42-5	-GF
	Cold-Shrink & Ground Rod & Barrel (for Cable Adapter Size E-J)	PCRK56-2	-HC
	Cold-Shrink & Ground Rod & Barrel (for Cable Adapter Size K-PQ)	PCRK52-3	-JD
	Heat-Shrink & Ground Rod & Barrel (for Cable Adapter Size E-J)	PCRK56-4	-HE
	Heat-Shrink & Ground Rod & Barrel (for Cable Adapter Size K-PQ)	PCRK52-5	-JF

* Add the appropriate suffix shown to any kit part number to have that shield kit included.

TABLE 6a – AEIC/ICEA CABLE SPECIFICATIONS

Calculated Dimensions – Stranded Conductor

ALUMINUM & COPPER CONDUCTORS		15KV CABLE (100% LEVEL - 0.175" WALL) INSULATION DIAMETER - INCHES			15KV CABLE (133% LEVEL - 0.220" WALL) INSULATION DIAMETER - INCHES			25KV CABLE (100% LEVEL - 0.260" WALL) INSULATION DIAMETER - INCHES			35KV CABLE (100% LEVEL - 0.345" WALL) INSULATION DIAMETER - INCHES			
SIZE AWG/KCMIL	N° OF STRANDS	INCHES	AEIC CS8-07	ICEA S-97-682	AEIC CS8-07	ICEA S-97-682	AEIC CS8-07	ICEA S-97-682	AEIC CS8-07	ICEA S-97-682	AEIC CS8-07	ICEA S-97-682	AEIC CS8-07	ICEA S-97-682
#4	7	0.232	0.585	0.675	0.585	0.670	0.675	0.765	0.745	0.845	0.745	0.835	0.915	1.015
#3	7	0.260	0.615	0.700	0.615	0.695	0.705	0.790	0.775	0.870	0.775	0.865	0.945	1.045
#2 Solid	1	0.258	0.610	0.700	0.610	0.695	0.700	0.790	0.770	0.870	0.770	0.860	0.940	1.040
#2	7	0.292	0.645	0.735	0.645	0.730	0.735	0.825	0.805	0.905	0.805	0.895	0.975	1.075
#1 Solid	1	0.289	0.645	0.730	0.645	0.725	0.735	0.820	0.805	0.900	0.805	0.895	0.975	1.070
#1	7	0.332	0.685	0.775	0.685	0.770	0.775	0.865	0.845	0.945	0.845	0.935	1.015	1.115
1/0 Solid	1	0.325	0.680	0.765	0.680	0.760	0.770	0.855	0.840	0.935	0.840	0.930	1.010	1.110
1/0 AWG	19	0.373	0.725	0.815	0.725	0.810	0.815	0.905	0.885	0.985	0.885	0.980	1.055	1.155
2/0 AWG	19	0.418	0.775	0.860	0.775	0.855	0.865	0.950	0.935	1.030	0.935	1.025	1.105	1.200
3/0 AWG	19	0.470	0.825	0.915	0.825	0.905	0.915	1.000	0.985	1.085	0.985	1.075	1.155	1.255
4/0 AWG	19	0.528	0.880	0.970	0.880	0.965	0.970	1.060	1.040	1.140	1.040	1.135	1.210	1.310
250 Kcmil	37	0.575	0.935	1.030	0.935	1.020	1.025	1.115	1.095	1.210	1.095	1.190	1.265	1.370
300 Kcmil	37	0.630	0.990	1.085	0.990	1.075	1.080	1.170	1.150	1.265	1.150	1.245	1.320	1.425
350 Kcmil	37	0.681	1.045	1.135	1.045	1.130	1.135	1.220	1.205	1.315	1.205	1.295	1.375	1.475
400 Kcmil	37	0.728	1.090	1.185	1.090	1.175	1.180	1.270	1.250	1.365	1.250	1.345	1.420	1.520
450 Kcmil	37	0.772	1.135	1.230	1.135	1.220	1.225	1.315	1.295	1.410	1.295	1.385	1.465	1.565
500 Kcmil	37	0.813	1.175	1.270	1.175	1.260	1.265	1.355	1.335	1.450	1.335	1.430	1.505	1.605
550 Kcmil	61	0.855	1.215	1.315	1.215	1.300	1.305	1.395	1.375	1.495	1.375	1.470	1.545	1.650
600 Kcmil	61	0.893	1.265	1.360	1.265	1.350	1.355	1.445	1.425	1.540	1.425	1.520	1.595	1.695
650 Kcmil	61	0.929	1.300	1.400	1.300	1.385	1.390	1.480	1.460	1.580	1.460	1.555	1.630	1.730
700 Kcmil	61	0.964	1.335	1.435	1.335	1.420	1.425	1.515	1.495	1.615	1.495	1.590	1.665	1.765
750 Kcmil	61	0.998	1.370	1.470	1.370	1.455	1.460	1.550	1.530	1.650	1.530	1.625	1.700	1.800
800 Kcmil	61	1.031	1.400	1.500	1.400	1.490	1.490	1.580	1.560	1.680	1.560	1.655	1.730	1.835
900 Kcmil	61	1.094	1.465	1.565	1.465	1.550	1.555	1.645	1.625	1.745	1.625	1.720	1.795	1.895
1000 Kcmil	61	1.152	1.520	1.625	1.520	1.610	1.610	1.705	1.680	1.805	1.680	1.775	1.850	1.955
1250 Kcmil	91	1.289	1.755	1.880	1.755	1.870	1.755	1.870	1.825	1.970	1.825	1.945	1.995	2.120
1500 Kcmil	91	1.412	1.880	2.005	1.880	1.995	1.880	1.995	1.950	2.095	1.950	2.065	2.120	2.245

TABLE 6b – AEIC/ICEA CABLE SPECIFICATIONS

SIZE AWG/ KCMIL	ALUMINUM & COPPER CONDUCTORS		15KV CABLE (100% LEVEL - 0.175" WALL) INSULATION DIAMETER - INCHES				15KV CABLE (133% LEVEL - 0.220" WALL) INSULATION DIAMETER - INCHES				25KV CABLE (100% LEVEL - 0.260" WALL) INSULATION DIAMETER - INCHES				35KV CABLE (100% LEVEL - 0.345" WALL) INSULATION DIAMETER - INCHES				
	N° OF STRANDS	INCHES	ICEA S-97-682		ICEA S-97-682		ICEA S-97-682		ICEA S-97-682		ICEA S-97-682		ICEA S-97-682		ICEA S-97-682		ICEA S-97-682		
			STR	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
#4	7	0.225	0.580	0.665	0.765	0.805	0.850	0.885	0.955	1.045	1.105	1.160	1.250	1.340	1.425	1.490	1.565	1.670	1.770
#3	7	0.252	0.605	0.695	0.725	0.805	0.845	0.895	0.990	1.065	1.155	1.240	1.335	1.425	1.515	1.600	1.685	1.760	1.865
#2	7	0.283	0.635	0.725	0.765	0.805	0.845	0.895	0.990	1.065	1.155	1.240	1.330	1.425	1.515	1.600	1.685	1.760	1.865
#1	7	0.322	0.675	0.765	0.805	0.845	0.895	0.990	1.065	1.155	1.240	1.330	1.425	1.515	1.600	1.685	1.760	1.865	1.920
1/0 AWG	19	0.362	0.715	0.805	0.845	0.895	0.990	1.065	1.155	1.240	1.330	1.425	1.515	1.600	1.685	1.760	1.865	1.920	2.085
2/0 AWG	19	0.406	0.760	0.850	0.895	0.990	1.065	1.155	1.240	1.330	1.425	1.515	1.600	1.685	1.760	1.865	1.920	2.085	2.205
3/0 AWG	19	0.456	0.810	0.900	0.955	1.045	1.105	1.160	1.250	1.340	1.425	1.515	1.600	1.685	1.760	1.865	1.920	2.085	2.205
4/0 AWG	19	0.512	0.865	0.955	1.045	1.105	1.160	1.250	1.340	1.425	1.515	1.600	1.685	1.760	1.865	1.920	2.085	2.205	2.330
250 Kcmil	37	0.558	0.920	1.015	1.065	1.155	1.240	1.330	1.425	1.515	1.600	1.685	1.760	1.865	1.920	2.085	2.205	2.330	2.455
300 Kcmil	37	0.611	0.975	1.065	1.115	1.205	1.290	1.380	1.470	1.560	1.650	1.740	1.830	1.920	2.010	2.100	2.190	2.280	2.370
350 Kcmil	37	0.661	1.025	1.115	1.165	1.255	1.345	1.435	1.525	1.615	1.705	1.795	1.885	1.975	2.065	2.155	2.245	2.335	2.425
400 Kcmil	37	0.706	1.070	1.160	1.210	1.300	1.390	1.480	1.570	1.660	1.750	1.840	1.930	2.020	2.110	2.200	2.290	2.380	2.470
450 Kcmil	37	0.749	1.110	1.200	1.250	1.340	1.430	1.520	1.610	1.700	1.790	1.880	1.970	2.060	2.150	2.240	2.330	2.420	2.510
500 Kcmil	37	0.789	1.150	1.240	1.290	1.380	1.470	1.560	1.650	1.740	1.830	1.920	2.010	2.100	2.190	2.280	2.370	2.460	2.550
550 Kcmil	61	0.829	1.190	1.285	1.335	1.425	1.515	1.605	1.695	1.785	1.875	1.965	2.055	2.145	2.235	2.325	2.415	2.505	2.595
600 Kcmil	61	0.866	1.235	1.335	1.385	1.475	1.565	1.655	1.745	1.835	1.925	2.015	2.105	2.195	2.285	2.375	2.465	2.555	2.645
650 Kcmil	61	0.901	1.270	1.370	1.420	1.510	1.600	1.690	1.780	1.870	1.960	2.050	2.140	2.230	2.320	2.410	2.500	2.590	2.680
700 Kcmil	61	0.935	1.305	1.405	1.455	1.545	1.635	1.725	1.815	1.905	1.995	2.085	2.175	2.265	2.355	2.445	2.535	2.625	2.715
750 Kcmil	61	0.968	1.340	1.440	1.490	1.580	1.670	1.760	1.850	1.940	2.030	2.120	2.210	2.300	2.390	2.480	2.570	2.660	2.750
800 Kcmil	61	1.000	1.370	1.470	1.520	1.610	1.700	1.790	1.880	1.970	2.060	2.150	2.240	2.330	2.420	2.510	2.600	2.690	2.780
900 Kcmil	61	1.061	1.430	1.530	1.580	1.670	1.760	1.850	1.940	2.030	2.120	2.210	2.300	2.390	2.480	2.570	2.660	2.750	2.840
1000 Kcmil	61	1.117	1.485	1.590	1.640	1.730	1.820	1.910	2.000	2.090	2.180	2.270	2.360	2.450	2.540	2.630	2.720	2.810	2.900
1250 Kcmil	91	1.251	1.720	1.845	1.895	1.985	2.075	2.165	2.255	2.345	2.435	2.525	2.615	2.705	2.795	2.885	2.975	3.065	3.155
1500 Kcmil	91	1.370	1.840	1.965	2.015	2.105	2.195	2.285	2.375	2.465	2.555	2.645	2.735	2.825	2.915	3.005	3.095	3.185	3.275

TABLE 6C – AEIC/ICEA CABLE SPECIFICATIONS

Calculated Dimensions – Compact Conductor

ALUMINUM & COPPER CONDUCTORS		15KV CABLE (100% LEVEL - 0.175" WALL) INSULATION DIAMETER - INCHES			15KV CABLE (133% LEVEL - 0.220" WALL) INSULATION DIAMETER - INCHES			25KV CABLE (100% LEVEL - 0.260" WALL) INSULATION DIAMETER - INCHES			35KV CABLE (100% LEVEL - 0.345" WALL) INSULATION DIAMETER - INCHES					
		STR	MIN	MAX	AEIC CS8-07	ICEA S-97-682	MIN	MAX	AEIC CS8-07	ICEA S-97-682	MIN	MAX	AEIC CS8-07	ICEA S-97-682	MIN	MAX
SIZE AWG/KCMIL	N° OF STRANDS	INCHES														
#4	7	0.213	0.565	0.650	0.745	0.830	0.745	0.830	0.745	0.830	0.745	0.830	0.745	0.830	0.745	0.830
#3	7	0.238	0.590	0.675	0.770	0.865	0.770	0.865	0.770	0.865	0.770	0.865	0.770	0.865	0.770	0.865
#2	7	0.268	0.620	0.705	0.800	0.895	0.710	0.800	0.710	0.800	0.710	0.800	0.710	0.800	0.710	0.800
#1	7	0.299	0.655	0.735	0.830	0.925	0.745	0.830	0.745	0.830	0.745	0.830	0.745	0.830	0.745	0.830
1/0 AWG	19	0.336	0.690	0.775	0.870	0.965	0.780	0.865	0.780	0.865	0.780	0.865	0.780	0.865	0.780	0.865
2/0 AWG	19	0.376	0.730	0.815	0.910	1.005	0.820	0.905	0.820	0.905	0.820	0.905	0.820	0.905	0.820	0.905
3/0 AWG	19	0.423	0.775	0.860	0.955	1.050	0.865	0.955	0.865	0.955	0.865	0.955	0.865	0.955	0.865	0.955
4/0 AWG	19	0.475	0.830	0.915	1.010	1.105	0.920	1.005	0.920	1.005	0.920	1.005	0.920	1.005	0.920	1.005
250 Kcmil	37	0.520	0.880	0.965	1.060	1.155	0.970	1.060	0.970	1.060	0.970	1.060	0.970	1.060	0.970	1.060
300 Kcmil	37	0.570	0.930	1.015	1.110	1.205	1.020	1.110	1.020	1.110	1.020	1.110	1.020	1.110	1.020	1.110
350 Kcmil	37	0.616	0.980	1.065	1.160	1.255	1.070	1.155	1.070	1.155	1.070	1.155	1.070	1.155	1.070	1.155
400 Kcmil	37	0.659	1.020	1.105	1.200	1.295	1.110	1.200	1.110	1.200	1.110	1.200	1.110	1.200	1.110	1.200
450 Kcmil	37	0.700	1.060	1.145	1.240	1.335	1.150	1.240	1.150	1.240	1.150	1.240	1.150	1.240	1.150	1.240
500 Kcmil	37	0.736	1.100	1.185	1.280	1.375	1.190	1.275	1.190	1.275	1.190	1.275	1.190	1.275	1.190	1.275
550 Kcmil	61	0.775	1.135	1.220	1.315	1.410	1.225	1.315	1.225	1.315	1.225	1.315	1.225	1.315	1.225	1.315
600 Kcmil	61	0.813	1.185	1.270	1.365	1.460	1.275	1.365	1.275	1.365	1.275	1.365	1.275	1.365	1.275	1.365
650 Kcmil	61	0.845	1.215	1.300	1.395	1.490	1.305	1.395	1.305	1.395	1.305	1.395	1.305	1.395	1.305	1.395
700 Kcmil	61	0.877	1.245	1.330	1.425	1.520	1.335	1.425	1.335	1.425	1.335	1.425	1.335	1.425	1.335	1.425
750 Kcmil	61	0.908	1.280	1.365	1.460	1.555	1.370	1.460	1.370	1.460	1.370	1.460	1.370	1.460	1.370	1.460
800 Kcmil	61	0.938	1.310	1.395	1.490	1.585	1.400	1.490	1.400	1.490	1.400	1.490	1.400	1.490	1.400	1.490
900 Kcmil	61	0.999	1.370	1.455	1.550	1.645	1.460	1.550	1.460	1.550	1.460	1.550	1.460	1.550	1.460	1.550
1000 Kcmil	61	1.060	1.430	1.515	1.610	1.705	1.520	1.610	1.520	1.610	1.520	1.610	1.520	1.610	1.520	1.610
1250 Kcmil																
1500 Kcmil																

TABLE 7

Crimp Specifications – P6ALX & P7ALCUX

**CRIMP DIE INFORMATION FOR 600 AMP, ALUMINUM AND BI-METAL LUGS
P6AL-“X” SERIES AND P7ALCU-“X” SERIES
‘DIE (# OF CRIMPS)’**

“X” P6AL-“X” P7ALCU-“X”	LUG O.D.	CONDUCTOR SIZE		BURNDY				KEARNEY DIE	CSA DIES
		STRD	CMPCT	DIE INDEX	12 TON Y35 & Y39	15 TON Y45 & Y46	40 TON Y48		
-7	0.850"	#2	#1	298	U28ART (3)	U28ART (3)	C28AR (2)	840	UCSA24
-8	0.850"	#1	1/0	298	U28ART (3)	U28ART (3)	C28AR (2)	840	UCSA24
-9	0.850"	1/0	2/0	298	U28ART (3)	U28ART (3)	C28AR (2)	840	UCSA24
-10	0.850"	2/0	3/0	298	U28ART (3)	U28ART (3)	C28AR (2)	840	UCSA24
-11	0.850"	3/0	4/0	298	U28ART (3)	U28ART (3)	C28AR (2)	840	UCSA24
-12	0.850"	4/0	250	298	U28ART (3)	U28ART (3)	C28AR (2)	840	UCSA24
-13	1.152"	250	300	299 705 654	U31ART (2) U705 (2) U654 (2)	U31ART (2) U705 (2) U654 (2)	C31AR (1)	1 1/8	
-14	1.152"	300	350	299 705 654	U31ART (2) U705 (2) U654 (2)	U31ART (2) U705 (2) U654 (2)	C31AR (1)	1 1/8	
-15	1.152"	350	400	299 705 654	U31ART (2) U705 (2) U654 (2)	U31ART (2) U705 (2) U654 (2)	C31AR (1)	1 1/8	
-16	1.320"	400	450	300	U34ART (4)	U34ART (4)	C34AR (2)	1 5/16	
-17	1.320"	450	500	300	U34ART (4)	U34ART (4)	C34AR (2)	1 5/16	
-18	1.320"	500	600	300	U34ART (4)	U34ART (4)	C34AR (2)	1 5/16	
-20	1.320"	600	700	300	U34ART (4)	U34ART (4)	C34AR (2)	1 5/16	
-211	1.320"	650	750	300	U34ART (4)	U34ART (4)	C34AR (2)	1 5/16	
-22	1.620"	700		301	—	S39ART (4)	C39AR (2)	1 5/8	PCSA32
-23	1.620"	750	800	301	—	S39ART (4)	C39AR (2)	1 5/8	PCSA32
-26	1.840"	900	1000	302	—	S44ART (4)	C44AR (2)	1 3/4	PCSA34
-28	1.840"	1000		302	—	S44ART (4)	C44AR (2)	1 3/4	PCSA34
-29	1.840"	1250		302	—	S44ART (4)	C44AR (2)	1 3/4	PCSA34

TABLE 8

**CRIMP DIE INFORMATION FOR 900 AMP, COPPER LUGS
P9CU-“X” SERIES ‘DIE (# OF CRIMPS)’**

LUG P/N	LUG O.D.	CONDUCTOR SIZE		KEARNEY	BURNDY	T&B	HOMAC
		STRANDED	COMPACT				
P9CU-07	.625"	#2	#1	Die 5/8	U27RT	50	TU
P9CU-08	.625"	#1	1/0	Die 5/8	U27RT	50	TU
P9CU-09	.625"	1/0	2/0	Die 5/8	U27RT	50	TU
P9CU-10	.625"	2/0	3/0	Die 5/8	U27RT	50	TU
P9CU-11	.703"	3/0	4/0	Die 5/8-1	U28RT	54	TW-TYZ
P9CU-12	.750"	4/0	250	Die 11/16	U29RT	60	TR
P9CU-13	.813"	250	300	Die .781	U30RT	66	TV
P9CU-14	.859"	300	350	Die .781	U30RT	66	TV
P9CU-14-1	.859"	N/A	N/A	Die .781	U30RT	66	TV
P9CU-15	.906"	350	400	Die .840	U31RT	71	TX
P9CU-15-1	.906"	N/A	*	Die .840	U31RT	71	TX
P9CU-17	1.040"	450	500/550	Die 1	U34RT	87	TH
P9CU-17-1	1.060"	N/A	240 mm2	Die 1	U34RT	87	N/A
P9CU-18	1.095"	500	600	Die 1	U34RT	87	N/A
P9CU-21	1.314"	600	700	Die 1 5/16	U39RT	106	N/A
P9CU-22	1.350"	700		Die 1 11/32	40RT	107	N/A
P9CU-23	1.350"	750	900	Die 1 11/32	40RT	107	N/A
P9CU-26	1.549"	900	1000	Die 1 1/2	44RT	125	125
P9CU-28	1.549"	1000		Die 1 1/2	44RT	125	125
P9CU-29	1.705"	1250		Die 1 19/32		N/A	N/A
P9CU-30	1.846"	1500		Die 1 3/4	46RT	N/A	N/A

*Lug used with 4/0 class G or H (rope lay) cable.

TABLE 9

**CRIMP DIE INFORMATION FOR 200 AMP LUG
P2ALCU-“X” SERIES**

LUG P/N	LUG O.D.	CONDUCTOR SIZE STRD, CMPCT	INDEX, # OF CRIMPS						
			BURNDY MD6	BURNDY Y35 & Y45 WITH ADAPTER #6515	BURNDY Y35	KEARNEY O	KEARNEY H	HOMAC	T&B TBM
P2ALCU-3	.625"	#6, #5	W243, 3	U243, 2	U-BG, 2	5/8-1, 3	9/16, 3	TU, 2	Orange/tan
P2ALCU-4	.625"	#5, #4	W243, 3	U243, 2	U-BG, 2	5/8-1, 3	9/16, 3	TU, 2	Orange/tan
P2ALCU-5	.625"	#4, #3	W243, 3	U243, 2	U-BG, 2	5/8-1, 3	9/16, 3	TU, 2	Orange/tan
P2ALCU-6	.625"	#3, #2	W243, 3	U243, 2	U-BG, 2	5/8-1, 3	9/16, 3	TU, 2	Orange/tan
P2ALCU-7	.625"	#2, #1	W243, 3	U243, 2	U-BG, 2	5/8-1, 3	9/16, 3	TU, 2	Orange/tan
P2ALCU-8	.625"	#1, 1/0	W243, 3	U243, 2	U-BG, 2	5/8-1, 3	9/16, 3	TU, 2	Orange/tan
P2ALCU-9	.625"	1/0, 2/0	W243, 3	U243, 2	U-BG, 2	5/8-1, 3	9/16, 3	TU, 2	Orange/tan
P2ALCU-10	.625"	2/0, 3/0	W243, 3	U243, 2	U-BG, 2	5/8-1, 3	9/16, 3	TU, 2	Orange/tan
P2ALCU-11	.781"	3/0, 4/0	W247, 3	U27ART, 3	U243, 2	747, 2	747, 2	N/A	N/A
P2ALCU-12	.781"	4/0, 250	W247, 3	U27ART, 3	U243, 2	747, 2	747, 2	N/A	N/A

Proper installation of 600 amp elbow accessories is **CRITICAL** for long lasting connections. Failed connections threaten system reliability and worker safety, so please take the time to read all product installation instructions and to know the proper torque requirement for each item. The life you save may be your own.

The chart below is a guide only. Suppliers modify products over time and adjust the installation instructions accordingly, so please read and follow all manufacture instructions.

Improper torque on certain components cause them to either break if over tightened or overhead it not tightened enough.

200 A LOADBREAK				
COMPONENT	TORQUE	TOOL TIP SIZE	TOOLS	NOTES
200A Loadbreak Bushing Inserts.	12 ft-lbs (144 inch-lbs)	5/16"	P212AT	Over tightening the bushing inserts will break the part. The max. stud withstand torque is 16 ft-lbs per IEEE 386.
Richards 21LBI & 22LBI				
Elastimold 1601A4 & 2701A4				
Cooper LBI215 & LBI225				

600 A STICK OPERABLE				
COMPONENT	TORQUE	TOOL TIP SIZE	TOOLS	NOTES
Richards R800 (618G & 618N)	20 ft-lbs (18-22 ft-lbs)	5/16"	P620AT	Tightening to 12 ft-lbs, the connection may overheat. Tightening to 50 ft-lbs, the connection is no longer stick operable.
Elastimold Stick-OP™ (LRTP)				
Cooper T-OP II™ (LRTP615 & LRTP625)				

600 A CONVENTIONAL				
COMPONENT	TORQUE	TOOL TIP SIZE	TOOLS	NOTES
Connecting Plugs	50 to 60 ft-lbs	3/8"	P650DAT P655AT	Tightening to 12 ft-lbs, the connection will overheat and will not have the same momentary fault current rating. Tightening to 20 ft-lbs, the connection will eventually loosen up and overheat. It also has reduced momentary fault current ratings.
Richards R-STACK				
Richards R800 (618M & 618F)				
ETP				

INDEX

By Part Number

10TL-X.....	HV37, 38	63LCN2K11.....	HV2	P625JIP.....	HV30	P6JAT1.....	HV31
21LBI.....	HV33	63LCN2L12.....	HV2	P625JS0.....	HV30	P6JAT2 (obsolete).....	HV31
21LBIC.....	HV33	63LCN2LM15.....	HV2	P625JS1.....	HV30	P6JAT3.....	HV31
21LBICG.....	HV33	63LCN2MN18.....	HV2	P625JS2WX.....	HV30	P6JGC.....	HV30
21LBIcG.....	HV33	63LCN2P28.....	HV2	P625JY0.....	HV26	P6JGP.....	HV30
21LBN1A.....	HV33	63LCN2Q29.....	HV2	P625JY0.....	HV26	P6JP.....	HV29
21LBN1B.....	HV33	63LCT0.....	HV2	P625JY0-SP.....	HV26	P6JPB.....	HV29
21LBN1C.....	HV33	63LCT2J9.....	HV2	P625JY1.....	HV26	P6JR10.....	HV5,31
21LBN1D.....	HV33	63LCT2K11.....	HV2	P625JY2.....	HV26	P6JR11.....	HV5,31
21LBN1W (W=CA size, X=conn size).....	HV33	63LCT2L12.....	HV2	P625JY2.....	HV26	P6JR12.....	HV5,31
21LBN2AXB (X=conn size).....	HV33	63LCT2LM15.....	HV2	P625JY2-SP.....	HV26	P6JR13.....	HV5,31
21LBN2BXB (X=conn size).....	HV33	63LCT2MN18.....	HV2	P625JY2-SP.....	HV26	P6JR14.....	HV5,31
21LBN2CXB (X=conn size).....	HV33	63LCT2P28.....	HV2	P625JY3WX.....	HV26	P6JR18.....	HV5,31
21LBN2DXB (X=conn size).....	HV33	63LCT2Q29.....	HV2	P625JY3WX.....	HV26	P6JR21.....	HV5,31
21LBN2WXB (General format. W=size, X=conn size).....	HV33	72LCN2WX.....	HV2	P625LRTP.....	HV3	P6JR23.....	HV5,31
21LBN2WXB????.....	HV33	72LCT2WX.....	HV2	P625LRTP.....	HV3	P6JR28.....	HV5,31
21LBT1A.....	HV33	92LCN1.....	HV2	P625RTP.....	HV3	P6JR7.....	HV5,31
21LBT1B.....	HV33	92LCN2.....	HV2	P625RTP-LS.....	HV3	P6JR8.....	HV5,31
21LBT1C.....	HV33	92LCN2WX.....	HV2	P625RTP-S.....	HV3	P6JR9.....	HV5,31
21LBT1D.....	HV33	P200EP.....	HV33	P625RTW.....	HV3	P6JRX.....	HV5,31
21LBT1W.....	HV33	P200TR.....	HV33	P625RTW-LS.....	HV3	P6SL1.....	HV11,19,30
21LBT2AXB (X=conn size).....	HV33	P2ALCU-10.....	HV33	P625RTW-S.....	HV3	P6SL5.....	HV11,19,30
21LBT2BXB (X=conn size).....	HV33	P2ALCU-11.....	HV33	P625SK1WX.....	HV5,11,13,19,31	P6SW.....	HV5,13
21LBT2CXB (X=conn size).....	HV33	P2ALCU-12.....	HV33	P625SK2WX.....	HV5,31	P7ALCU-10.....	HV5,11,13,19,31
21LBT2DXB (X=conn size).....	HV33	P2ALCU-13.....	HV33	P625SRA.....	HV4	P7ALCU-10-15/16.....	HV5,11,13,19,31
21LBT2WXB (W=CA size, X=conn size).....	HV33	P2ALCU-5.....	HV33	P625SRA1.....	HV4	P7ALCU-11.....	HV5,11,13,19,31
21LGN.....	HV33	P2ALCU-6.....	HV33	P625SRA2WX.....	HV4	P7ALCU-11-15/16.....	HV5,11,13,19,31
22LBI.....	HV33	P2ALCU-7.....	HV33	P635BETP.....	HV3	P7ALCU-12.....	HV5,11,13,19,31
22LBICG.....	HV33	P2ALCU-8.....	HV33	P635CA-J.....	HV5,11,13,19,31	P7ALCU-12-15/16.....	HV5,11,13,19,31
23LBIC.....	HV17	P2ALCU-9.....	HV33	P635CA-J.....	HV5,11,13,19,31	P7ALCU-13.....	HV5,11,13,19,31
618FNO.....	HV17	P2ALCU-X.....	HV33	P635CA-K.....	HV5,11,13,19,31	P7ALCU-13-15/16.....	HV5,11,13,19,31
618FN1.....	HV17	P2CU-X.....	HV33	P635CA-L.....	HV5,11,13,19,31	P7ALCU-14.....	HV5,11,13,19,31
618FN2WX.....	HV17	P605DAT.....	HV13	P635CA-LM.....	HV5,11,13,19,31	P7ALCU-14-15/16.....	HV5,11,13,19,31
618FN3WX.....	HV17	P615ETP.....	HV3	P635CA-M.....	HV5,11,13,19,31	P7ALCU-15.....	HV5,11,13,19,31
618MN.....	HV17	P615LRTP.....	HV3	P635CA-N.....	HV5,11,13,19,31	P7ALCU-15-16/15.....	HV5,11,13,19,31
618MN2WX.....	HV17	P620AT.....	HV19	P635CA-P.....	HV5,11,13,19,31	P7ALCU-17.....	HV5,11,13,19,31
618MN3WX.....	HV17	P625BE.....	HV3	P635CA-P.....	HV5,11,13,19,31	P7ALCU-17-15/16.....	HV5,11,13,19,31
61LCN0.....	HV2	P625BE.....	HV3	P635CP.....	HV5,11,13,19,31	P7ALCU-18.....	HV5,11,13,19,31
628MNO.....	HV17	P625CA-F.....	HV5,11,13,19,31	P635CP-HEX.....	HV3	P7ALCU-18-15/16.....	HV5,11,13,19,31
628MN1.....	HV17	P625CA-G.....	HV5,11,13,19,31	P635CP-LS.....	HV3	P7ALCU-20.....	HV5,11,13,19,31
628MN2WX.....	HV17	P625CA-H.....	HV5,11,13,19,31	P635CP-S.....	HV3	P7ALCU-20-15/16.....	HV5,11,13,19,31
628MN2WX.....	HV17	P625CA-J.....	HV5,11,13,19,31	P635GB.....	HV4	P7ALCU-21.....	HV5,11,13,19,31
628MN3WX.....	HV17	P625CA-K.....	HV5,11,13,19,31	P635HIP.....	HV3	P7ALCU-21-15/16.....	HV5,11,13,19,31
628MN3WX.....	HV17	P625CA-L.....	HV5,11,13,19,31	P635HIP-STUD.....	HV4	P7ALCU-23.....	HV5,11,13,19,31
62BJN1.....	HV10	P625CA-LM.....	HV5,11,13,19,31	P635IC.....	HV3	P7ALCU-23-15/16.....	HV5,11,13,19,31
62BJN2.....	HV10	P625CA-M.....	HV5,11,13,19,31	P635IC.....	HV3	P7ALCU-28.....	HV5,11,13,19,31
62BJN3.....	HV10	P625CA-MN.....	HV5,11,13,19,31	P635IPB.....	HV4	P7ALCU-28-15/16.....	HV5,11,13,19,31
62BJN4.....	HV10	P625CA-N.....	HV5,11,13,19,31	P6AL-10.....	HV5,11,13,19,31	P7ALCU-29.....	HV5,11,13,19,31
62BJT1.....	HV10	P625CA-P.....	HV5,11,13,19,31	P6AL10-15/16.....	HV5,11,13,19,31	P7ALCU-7.....	HV5,11,13,19,31
62BJT2.....	HV10	P625CP.....	HV3	P6AL-11.....	HV5,11,13,19,31	P7ALCU-7-15/16.....	HV5,11,13,19,31
62BJT3.....	HV10	P625CP-HEX.....	HV3	P6AL11-15/16.....	HV5,11,13,19,31	P7ALCU-9.....	HV5,11,13,19,31
62BJT4.....	HV10	P625CP-LS.....	HV3	P6AL-12.....	HV5,11,13,19,31	P7ALCU-9-15/16.....	HV5,11,13,19,31
62CBN0.....	HV10	P625CP-S.....	HV3	P6AL-12-15/16.....	HV5,11,13,19,31	P925CP.....	HV3
62CBN1.....	HV10	P625ETP.....	HV3	P6AL-13.....	HV5,11,13,19,31	P925CP-HEX.....	HV3
62CBN2WX.....	HV10	P625GB.....	HV4	P6AL-13-15/16.....	HV5,11,13,19,31	P925CP-LS.....	HV3
62CBT0.....	HV10	P625HIP.....	HV3	P6AL-14.....	HV5,11,13,19,31	P925CP-S.....	HV3
62CBT1.....	HV10	P625HIP-LS.....	HV3	P6AL-14-15/16.....	HV5,11,13,19,31	P925HIP-STUD.....	HV4
62CBT2WX.....	HV10	P625HIP-S.....	HV3	P6AL-15.....	HV5,11,13,19,31	P9CU-10.....	HV5,11,13,19,31
62LCN0.....	HV2	P625HIP-STUD.....	HV4	P6AL-15-15/16.....	HV5,11,13,19,31	P9CU-11.....	HV5,11,13,19,31
62LCN1.....	HV2	P625IC.....	HV3	P6AL-17.....	HV5,11,13,19,31	P9CU-12.....	HV5,11,13,19,31
62LCN2.....	HV2	P625IC-S.....	HV3	P6AL-17-15/16.....	HV5,11,13,19,31	P9CU-13.....	HV5,11,13,19,31
62LCN2WX.....	HV2	P625IPB.....	HV4	P6AL-18.....	HV5,11,13,19,31	P9CU-14.....	HV5,11,13,19,31
62LCT0.....	HV2	P625JH0.....	HV27	P6AL-18-15/16.....	HV5,11,13,19,31	P9CU-15.....	HV5,11,13,19,31
62LCT1.....	HV2	P625JH0.....	HV27	P6AL-20.....	HV5,11,13,19,31	P9CU-17.....	HV5,11,13,19,31
62LCT2.....	HV2	P625JH0-SP.....	HV27	P6AL-20-15/16.....	HV5,11,13,19,31	P9CU-18.....	HV5,11,13,19,31
62LCT2WX.....	HV2	P625JH1.....	HV27	P6AL-21.....	HV5,11,13,19,31	P9CU-20.....	HV5,11,13,19,31
62LJN1.....	HV14	P625JH2.....	HV27	P6AL-21-15/16.....	HV5,11,13,19,31	P9CU-21.....	HV5,11,13,19,31
62LJN2.....	HV14	P625JH2-SP.....	HV27	P6AL-22.....	HV5,11,13,19,31	P9CU-23.....	HV5,11,13,19,31
62LJN3.....	HV14	P625JH3-SP.....	HV27	P6AL-22-15/17.....	HV5,11,13,19,31	P9CU-28.....	HV5,11,13,19,31
62LJN4.....	HV14	P625JH3WX.....	HV27	P6AL-23.....	HV5,11,13,19,31	P9CU-7.....	HV5,11,13,19,31
62LJT1.....	HV14	P625JH3WX.....	HV27	P6AL-23-15/16.....	HV5,11,13,19,31	P9CU-9.....	HV5,11,13,19,31
62LJT2.....	HV14	P625JH3WX.....	HV27	P6AL-28.....	HV5,11,13,19,31	PCRK005-1.....	HV38
62LJT3.....	HV14	P625JH3WX.....	HV27	P6AL-28-15/16.....	HV5,11,13,19,31	PCRK005-2.....	HV38
62LJT4.....	HV14	P625JH3WX.....	HV27	P6AL-29.....	HV5,11,13,19,31	PCRK12-3.....	HV38
63LCN0.....	HV2	P625JH3WX.....	HV27	P6AL-30?.....	HV5,11,13,19,31	PCRK16-2.....	HV38
63LCN2J9.....	HV2	P625JH3WX-SP.....	HV25	P6AL-7.....	HV5,11,13,19,31	PCRK42-3.....	HV38
		P625JIC.....	HV30	P6AL-7-15/16.....	HV5,11,13,19,31	PCRK46-2.....	HV38
				P6AL-9.....	HV5,11,13,19,31		
				P6AL-9-15/16.....	HV5,11,13,19,31		
				P6AT.....	HV13		