



ORDER OPTIONS SUFFIX LIST

A suffix added to a catalog number indicates a modification to be made to the standard cataloged item. The suffixes listed below display various options available. Consult PLP for further details, unlisted options, and/or special applications.

Suffix	Description
E	Tin plate entire connector assembly (excluding hardware)
AA	Anodized aluminum hardware
GA	Galvanized aluminum hardware
GS	Galvanized steel hardware
SB	Silicon bronze hardware
SS	Stainless steel hardware
15/30/45/60/90	Specific angle of connector

Always add a hyphen (-) after the catalog part number to clearly identify options suffix.
Example of AZ10 with tin plating option suffix would be AZ10-E.

If various options are needed, always put them in order from top to bottom of suffix options list.
EXAMPLE: AZ10-ESS90 is AZ10 with tin plating, stainless steel hardware, and 90-degrees angle options.

PLP ELECTRICAL JOINT COMPOUND (EJC)

PLP Electrical Joint Compound should be applied to bolted and compression connections immediately after brushing/cleaning to drastically reduce galvanic corrosion, prevent re-oxidation, and prohibit future ingress of air and moisture. PLP Electrical Joint Compound is extremely adhesive, resistant to water and has high-temperature resistance to ensure continuous reliable operations under all situations. For low-voltage connections, excess grease should be spread out along the union after installation. For extra high-voltage connections, excess grease must be removed.



Part Number	Description	Size
EJC-ST-250ML	Aluminum to Aluminum/Copper Connections. Low tension (10% RBS) up to 180° C with Zinc grit/particles ¹	250 Milliliter Bottle
EJC-ST-1L		1 Liter Tube
EJC-ST-1G		1 Gallon Can
EJC-TC-250ML	Aluminum to Aluminum/Copper Connections. Full tension (100% RBS) up to 180° C without Zinc grit/particles ¹	250 Milliliter Bottle
EJC-TC-1L		1 Liter Tube
EJC-TC-1G		1 Gallon Can
EJC-CU-250ML	Copper to Copper Connections. Low tension (10% RBS) up to 180° C with Copper grit/particles ¹	250 Milliliter Bottle
EJC-CU-1L		1 Liter Tube
EJC-CU-1G		1 Gallon Can

¹ Contains conductive Zinc or Copper granules suspended in viscous petroleum base. Under pressure these granules make high-pressure contact points with the parent metal to create a sound electrical connection, while the base material seals the joint to prevent further corrosion.

CONDUCTOR SIZE TABLES - ACSR

Code Name	Size	Stranding Al/St	Complete Cable OD	Weight per 1000 ft	Ampacity ¹
	kcmil		(in)	(lb)	(amps)
Turkey	6	6/1	0.198	36	105
Swan	4	6/1	0.250	57	140
Swanate	4	7/1	0.257	67	140
Sparrow	2	6/1	0.316	91	184
Sparate	2	7/1	0.325	107	184
Robin	1	6/1	0.354	115	212
Rave	1/0	6/1	0.398	145	242
Quail	2/0	6/1	0.447	183	276
Pigeon	3/0	6/1	0.502	231	315
Penguin	4/0	6/1	0.563	291	357
Waxwing	266.8	18/1	0.609	289	449
Partridge	300	26/7	0.642	367	475
Ostrich	336.4	26/7	0.680	412	492
Merlin	336.4	18/1	0.684	365	519
Linnet	336.4	26/7	0.720	462	529
Oriole	336.4	30/7	0.741	526	535
Chickadee	397.5	18/1	0.743	431	576
Brant	397.5	24/7	0.772	511	584
Ibis	397.5	26/7	0.783	546	587
Lark	397.5	30/7	0.806	622	594
Pelican	477	18/1	0.814	517	646
Flicker	477	24/7	0.846	614	655
Hawk	477	26/7	0.858	656	659
Hen	477	30/7	0.883	745	666
Osprey	556.5	18/1	0.879	603	711
Parakeet	556.5	24/7	0.914	716	721
Dove	556.5	26/7	0.927	765	726
Eagle	556.5	30/7	0.953	871	734

¹ Current ratings based on 75° C conductor temperature, 25° C ambient temperature 0.5, 2 ft/sec wind in sun.

CONDUCTOR SIZE TABLES - ACSR CONTINUED

Code Name	Size	Stranding Al/St	Complete Cable OD	Weight per 1000 ft	Ampacity ¹
	kcmil		(in)	(lb)	(amps)
Peacock	605	24/7	0.953	779	760
Squab	605	26/7	0.966	832	765
Wood Duck	605	30/7	0.994	946	774
Tel	605	30/19	0.994	939	773
Kingbird	636	18/1	0.940	690	773
Swift	636	36/1	0.930	643	769
Rook	636	24/7	0.977	818	784
Grosbeak	636	26/7	0.991	874	789
Scoter	636	30/7	1.019	995	798
Egret	636	30/19	1.019	987	798
Flamingo	666.6	24/7	1.000	858	807
Gannet	666.6	26/7	1.014	916	812
Stilt	715.5	24/7	1.036	920	844
Starling	715.5	26/7	1.051	984	849
Redwing	715.5	30/19	1.081	1,110	859
Coot	795	36/1	1.040	804	884
Drake	795	26/7	1.107	1,093	907
Tern	795	45/7	1.063	895	887
Condor	795	54/7	1.092	1,023	889
Mallard	795	30/19	1.140	1,233	918
Ruddy	900	45/7	1.131	1,013	958
Canary	900	54/7	1.162	1,158	961
Rail	954	45/7	1.165	1,074	993
Cardinal	954	54/7	1.196	1,227	996
Ortolan	1033.5	45/7	1.212	1,163	1043
Curlew	1033.5	54/7	1.245	1,330	1047
Bluejay	1113	45/7	1.258	1,253	1092

¹ Current ratings based on 75° C conductor temperature, 25° C ambient temperature 0.5, 2 ft/sec wind in sun.



CONDUCTOR SIZE TABLES - ACSR CONTINUED

Code Name	Size	Stranding Al/St	Complete Cable OD	Weight per 1000 ft	Ampacity ¹
	kcmil		(in)	(lb)	(amps)
Finch	1113	54/19	1.292	1,429	1093
Bunting	1192.5	45/7	1.302	1,342	1139
Grackle	1192.5	54/19	1.337	1,531	1140
Bittern	1272	45/7	1.345	1,432	1184
Pheasant	1272	54/19	1.381	1,633	1187
Dipper	1351.5	45/7	1.386	1,521	1229
Martin	1351.5	54/19	1.424	1,735	1232
Bobolink	1431	45/7	1.427	1,611	1272
Lapwing	1590	45/7	1.504	1,790	1354
Falcon	1590	54/19	1.544	2,041	1359
Chukar	1780	84/19	1.602	2,071	1453
Bluebird	2156	84/19	1.762	2,509	1623
Kiwi	2167	72/7	1.735	2,300	1607

¹ Current ratings based on 75° C conductor temperature, 25° C ambient temperature 0.5, 2 ft/sec wind in sun.

CONDUCTOR SIZE TABLES – AAC

Code Name	Size	Stranding Al/St	Complete Cable OD	Weight per 1000 ft	Ampacity ¹
	kcmil		(in)	(lb)	(amps)
Peachbell	6	7	0.184	25	103
Rose	4	7	0.232	39	138
Iris	2	7	0.292	62	185
Pansy	1	7	0.328	78	214
Poppy	1/0	7	0.368	99	247
Aster	2/0	7	0.414	125	286
Phlox	3/0	7	0.464	157	331
Oxlip	4/0	7	0.522	198	383
Sneezewort	250	7	0.567	234	425
Valerian	250	19	0.574	234	426
Daisy	266.8	7	0.586	250	443
Laurel	266.8	19	0.592	250	444
Peony	300	19	0.628	281	478
Tulip	336.4	19	0.665	315	513
Daffodil	350	19	0.679	328	526
Canna	397.5	19	0.723	373	570
Goldentuft	450	19	0.769	422	616
Cosmos	477	19	0.792	447	639
Syringa	477	37	0.795	447	639
Zinnia	500	19	0.811	469	658
Hyacinth	500	37	0.814	469	658
Dahlia	556.5	19	0.856	522	703
Mistletoe	556.5	37	0.858	522	704
Meadowsweet	600	37	0.891	562	738
Orchid	636	37	0.918	596	765
Heuchera	650	37	0.928	609	775
Verbena	700	37	0.963	656	812
Flag	700	61	0.964	656	812
Violet	715.5	37	0.973	671	823
Nasturtium	715.5	61	0.975	671	823
Petunia	750	37	0.997	703	847
Cattail	750	61	0.998	703	847
Arbutus	795	37	1.026	745	878
Lilac	795	61	1.027	745	879
Cockscomb	900	37	1.092	844	948
Snapdragon	900	61	1.093	844	948
Magnolia	954	37	1.124	894	982
Goldenrod	954	61	1.125	894	983
Hawkweed	1000	37	1.151	937	1,010
Camellia	1000	61	1.152	937	1,011
Bluebell	1033.5	37	1.170	969	1,031
Larkspur	1033.5	61	1.171	969	1,032
Marigold	113	61	1.216	1,043	1,079
Hawthorn	1192.5	61	1.258	1,118	1,124
Narcissus	1272	61	1.300	1,192	1,169
Columbine	1351.5	61	1.340	1,267	1,212
Carnation	1431	61	1.378	1,341	1,253

¹ Current ratings based on 75°C conductor temperature, 25°C ambient temperature, emissivity 0.5, 2 ft/sec wind in sun.



CONDUCTOR SIZE TABLES – AAC CONTINUED

Code Name	Size	Stranding Al/St	Complete Cable OD	Weight per 1000 ft	Ampacity*
	kcmil		(in)	(lb)	(amps)
Gladiolus	1510.5	61	1.416	1,416	1,294
Coreopsis	1590	61	1.453	1,490	1,333
Jessamine	1750	61	1.524	1,640	1,408
Cowslip	2000	91	1.631	1,875	1,518
Sagebrush	2250	91	1.730	2,130	1,612
Lupine	2500	91	1.823	2,366	1,706
Bitterroot	2750	91	1.912	2,603	1,793
Trillium	3000	127	1.998	2,839	1,874
Blubonnet	3500	127	2.158	3,345	2,024

* Current ratings based on 75°C conductor temperature, 25°C ambient temperature, emissivity 0.5, 2 ft/sec wind in sun.

NOMINAL PIPE SIZE (NPS) INFORMATION

Aluminum Schedule 40 Pipe (Standard)

Nominal Pipe Size	Diameter		Wall Thickness	Weight
	OD	ID		
in (mm)	in (mm)	in (mm)	in (mm)	lb/ft (g/mm)
1/8 (3)	0.405 (10.3)	0.269 (6.8)	0.068 (1.7)	0.085 (0.126)
1/4 (6)	0.540 (13.7)	0.364 (9.3)	0.088 (2.2)	0.147 (0.219)
3/8 (10)	0.675 (17.2)	0.493 (12.5)	0.091 (2.3)	0.196 (0.292)
1/2 (13)	0.840 (21.3)	0.622 (15.8)	0.109 (2.8)	0.294 (0.438)
3/4 (19)	1.050 (26.7)	0.824 (20.9)	0.113 (2.9)	0.391 (0.582)
1 (25)	1.315 (33.4)	1.049 (26.6)	0.133 (3.4)	0.581 (0.865)
1-1/4 (32)	1.660 (42.2)	1.380 (35.1)	0.140 (3.6)	0.786 (1.170)
1-1/2 (38)	1.900 (48.3)	1.610 (40.9)	0.145 (3.7)	0.940 (1.399)
2 (51)	2.375 (60.3)	2.067 (52.5)	0.154 (3.9)	1.260 (1.875)
2-1/2 (64)	2.875 (73.0)	2.469 (62.7)	0.203 (5.2)	2.000 (2.976)
3 (76)	3.500 (88.9)	3.068 (77.9)	0.216 (5.5)	2.620 (3.899)
3-1/2 (89)	4.000 (101.6)	3.548 (90.1)	0.226 (5.7)	3.150 (4.688)
4 (102)	4.500 (114.3)	4.026 (102.3)	0.237 (6.0)	3.730 (5.551)
5 (127)	5.563 (141.3)	5.047 (128.2)	0.258 (6.5)	5.060 (7.530)
6 (152)	6.625 (168.3)	6.065 (154.1)	0.280 (7.1)	6.560 (9.762)
8 (203)	8.625 (219.1)	7.981 (202.7)	0.322 (8.2)	9.880 (14.703)
10 (254)	10.750 (273.1)	10.020 (254.5)	0.365 (9.3)	14.000 (20.834)
12 (305)	12.750 (323.9)	12.000 (304.8)	0.375 (9.5)	17.140 (25.507)

Aluminum Schedule 80 Pipe (Extra Heavy)

Nominal Pipe Size	Diameter		Wall Thickness	Weight
	OD	ID		
in (mm)	in (mm)	in (mm)	in (mm)	lb/ft (g/mm)
1 (25)	1.315 (33.4)	0.957 (24.3)	0.179 (4.5)	0.751 (1.118)
1-1/4 (32)	1.660 (42.2)	1.278 (32.5)	0.191 (4.9)	1.037 (1.543)
1-1/2 (38)	1.900 (48.3)	1.500 (38.1)	0.200 (5.1)	1.256 (1.869)
2 (51)	2.375 (60.3)	1.939 (49.3)	0.218 (5.5)	1.737 (2.585)
2-1/2 (64)	2.875 (73.0)	2.323 (33.6)	0.276 (7.0)	2.650 (3.944)
3 (76)	3.500 (88.9)	2.900 (73.7)	0.300 (7.6)	3.547 (5.279)
3-1/2 (89)	4.000 (101.6)	3.364 (85.4)	0.318 (8.1)	4.326 (6.438)
4 (102)	4.500 (114.3)	3.826 (97.2)	0.337 (8.6)	5.183 (7.713)
5 (127)	5.563 (141.3)	4.813 (122.3)	0.375 (9.5)	7.188 (10.697)
6 (152)	6.625 (168.3)	5.761 (146.3)	0.432 (11.0)	9.980 (14.852)
8 (203)	8.625 (219.1)	7.625 (193.7)	0.500 (12.7)	15.16 (22.561)

NOMINAL PIPE SIZE (NPS) INFORMATION CONTINUED

Copper Schedule 40 Pipe (Standard)

Nominal Pipe Size	Diameter		Wall Thickness	Weight
	OD	ID		
in (mm)	in (mm)	in (mm)	in (mm)	lb/ft (g/mm)
1 (25)	1.315 (33.4)	1.062 (27.0)	0.127 (3.2)	1.83 (2.72)
1-1/4 (32)	1.660 (42.2)	1.368 (34.7)	0.146 (3.7)	2.68 (3.99)
1-1/2 (38)	1.900 (48.3)	1.600 (40.6)	0.150 (3.8)	3.19 (4.75)
2 (51)	2.375 (60.3)	2.062 (52.4)	0.157 (4.0)	4.21 (6.27)
2-1/2 (64)	2.875 (73.0)	2.500 (63.5)	0.188 (4.8)	6.12 (9.11)
3 (76)	3.500 (88.9)	3.062 (77.8)	0.219 (5.6)	8.72 (12.98)
3-1/2 (89)	4.000 (101.6)	3.500 (88.9)	0.250 (6.4)	11.38 (16.94)
4 (102)	4.500 (114.3)	4.000 (101.6)	0.250 (6.4)	12.90 (19.20)
4-1/2 (114)	5.000 (127.0)	4.500 (114.3)	0.250 (6.4)	14.42 (21.46)
5 (127)	5.563 (141.3)	5.063 (128.6)	0.250 (6.4)	16.12 (23.99)
6 (152)	6.625 (168.3)	6.125 (155.6)	0.250 (6.4)	19.35 (28.80)

Copper Schedule 80 Pipe (Extra Heavy)

Nominal Pipe Size	Diameter		Wall Thickness	Weight
	OD	ID		
in (mm)	in (mm)	in (mm)	in (mm)	lb/ft (g/mm)
1 (25)	1.315 (33.4)	0.951 (24.2)	0.182 (4.6)	2.51 (3.74)
1-1/4 (32)	1.660 (42.2)	1.272 (32.3)	0.194 (4.9)	3.46 (5.15)
1-1/2 (38)	1.900 (48.3)	1.494 (37.9)	0.203 (5.2)	4.19 (6.24)
2 (51)	2.375 (60.3)	1.933 (49.1)	0.221 (5.6)	5.79 (8.62)
2-1/2 (64)	2.875 (73.0)	2.315 (58.8)	0.280 (7.1)	8.84 (13.16)
3 (76)	3.500 (88.9)	2.892 (73.5)	0.304 (7.7)	11.82 (17.59)
3-1/2 (89)	4.000 (101.6)	3.358 (85.3)	0.321 (8.2)	14.37 (21.38)
4 (102)	4.500 (114.3)	3.818 (97.0)	0.341 (8.7)	17.25 (25.67)
5 (127)	5.563 (141.3)	4.813 (122.3)	0.375 (9.5)	23.67 (35.22)
6 (152)	6.625 (168.3)	5.751 (146.1)	0.437 (11.1)	32.93 (49.01)
8 (203)	8.625 (219.1)	7.625 (193.7)	0.500 (12.7)	49.42 (73.55)

TORQUE TABLES

Recommended Torque Settings for Imperial Hex Bolt Fasteners

Material	lb-ft						
	1/4 in	5/16 in	3/8 in	7/16 in	1/2 in	5/8 in	3/4 in
Aluminum	–	–	14	20	25	40	54
Galvanized Steel Stainless Steel Silicon Bronze	7	15	20	30	40	55	87

Recommended Torque Settings for Metric Hex Bolt Fasteners

Material	Nm						
	M8	M10	M12	M14	M16	M18	M20
Aluminum	–	30	50	60	75	90	100
Galvanized Steel Stainless Steel Silicon Bronze	25	49	85	135	210	300	425