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Scan QR Code for
our Digital Catalog



Most frequently ordered catalog numbers are highlighted in BLUE

SERVIT POST™ Connectors Type KC, K2C

Mechanical Grounding Connectors Overview

More than 60 years of technological innovation has made BURNDY® mechanical grounding connectors one of the most widely used and highly respected lines in the industry. There is virtually no grounding application challenge that this diversified line cannot help solve.

All BURNDY mechanical grounding connectors have been designed for easy installation and outstanding durability. Only the finest high copper alloys are used in their manufacture, ensuring top performance under the most extreme environmental conditions.

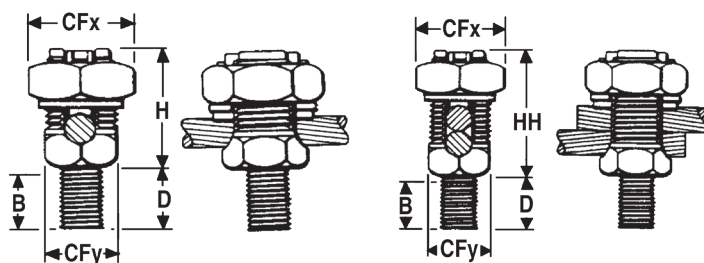
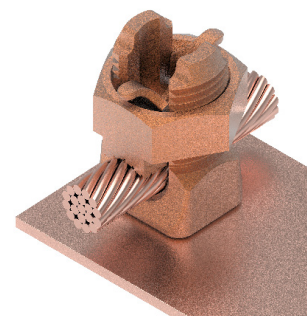
Types KC, K2C SERVIT POST™ Connectors for copper cable to flat

SERVIT POST™ connectors are used to ground one or two cables to steel structures, fence posts, and transformers amongst other things. Also these connectors can be used to tap one or two cables from bus bar. One-wrench installation.

UL467 Listed for the US and Canadian markets.



KC



KC - 1 wire

K2C - 1 to 2 wires

TYPE KC One Wire	TYPE K2C One or Two Wires	Stranded	Solid	Stud Diameter	B	CFx	CFy	D	H	HH
KC15	K2C15	12 AWG-9 AWG	12 AWG-8 AWG	1/4-20	3/8	1/2	3/8	1/2	5/8	7/8
KC15B1	K2C15B1	12 AWG-9 AWG	12 AWG-8 AWG	1/4-20	7/8	1/2	3/8	1	5/8	7/8
KC17	K2C17	10 AWG-7 AWG	10 AWG-6 AWG	1/4-20	3/8	5/8	7/16	1/2	7/8	1
KC17B1	K2C17B1	10 AWG-7 AWG	10 AWG-6 AWG	1/4-20	7/8	5/8	7/16	1	7/8	1
KC20	K2C20	10 AWG-5 AWG	10 AWG-4 AWG	5/16-18	13/32	11/16	1/2	5/8	7/8	1-1/8
KC20B1	K2C20B1	10 AWG-5 AWG	10 AWG-4 AWG	5/16-18	27/32	11/16	1/2	1	7/8	1-1/8
KC22	K2C22	10 AWG-3 AWG	10 AWG-2 AWG	3/8-16	15/32	3/4	5/8	5/8	1	1-1/4
KC22B1	K2C22B1	10 AWG-3 AWG	10 AWG-2 AWG	3/8-16	31/32	3/4	5/8	1-1/8	1	1-1/4
KC23	K2C23	8 AWG-2 AWG	10 AWG-1 AWG	3/8-16	15/32	13/16	5/8	5/8	1	1-3/8
KC23B1	K2C23B1	8 AWG-2 AWG	10 AWG-1 AWG	3/8-16	31/32	13/16	5/8	1-1/8	1	1-3/8
KC25	K2C25	2 AWG-1/0 AWG	2 AWG-2/0 AWG	1/2-13	9/16	15/16	3/4	3/4	1-1/8	1-5/8
KC25B1	K2C25B1	2 AWG-1/0 AWG	2 AWG-2/0 AWG	1/2-13	1-1/16	15/16	3/4	1-1/4	1-1/8	1-5/8
KC26	K2C26	2 AWG-2/0 AWG	2 AWG-3/0 AWG	1/2-13	17/32	1	7/8	3/4	1-3/8	1-7/8
KC26B1	K2C26B1	2 AWG-2/0 AWG	2 AWG-3/0 AWG	1/2-13	1-1/16	1	7/8	1-1/4	1-3/8	1-7/8
KC28	K2C28	1 AWG-4/0 AWG	1 AWG-4/0 AWG	5/8-11	3/4	1-1/2	1-3/16	1	1-3/4	2-1/4
KC28B1	K2C28B1	1 AWG-4/0 AWG	1 AWG-4/0 AWG	5/8-11	1-1/4	1-1/2	1-3/16	1-1/2	1-3/4	2-1/4
—	K2C28G3	1 AWG-4/0 AWG	1 AWG-4/0 AWG	1/2-13	1-1/4	1-1/2	1-3/16	1-1/2	1-3/4	2-1/4
KC31	K2C31	1 AWG-350 kcmil	N/A	5/8-11	3/4	1-11/16	1-3/8	1	2-1/4	2-7/8
KC31B1	K2C31B1	1 AWG-350 kcmil	N/A	5/8-11	1-1/4	1-11/16	1-3/8	1-1/2	2-1/4	2-7/8
KC34	K2C34	3/0 AWG-500 kcmil	N/A	3/4-10	1	2	1-5/8	1-1/4	2-3/8	3-1/4
KC34B1	K2C34B1	3/0 AWG-500 kcmil	N/A	3/4-10	1-1/2	2	1-5/8	1-3/4	2-3/8	3-1/4

Note:

Use KF or K2F designation for female SERVIT POST™

Add suffix -NSP to catalog numbers to have connector supplied with split lockwasher and nut

Bulkhead Ground Connector Type KCKF

Type KCKF Bulkhead Ground Connector

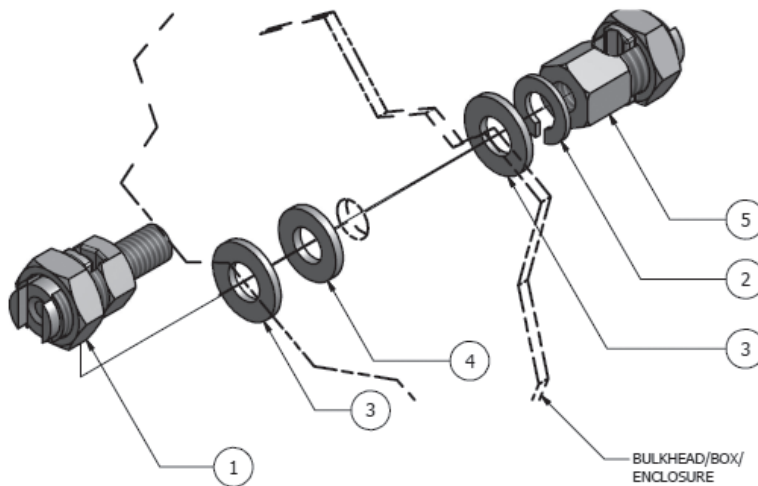
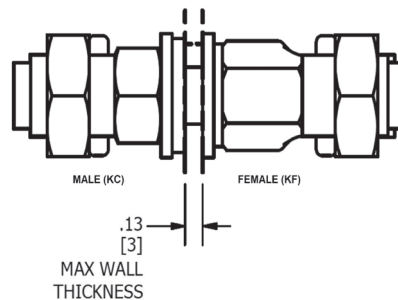
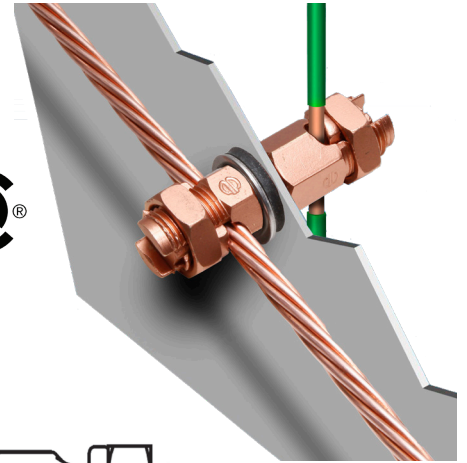
The “Bulkhead” connector is designed to allow a ground wire to be connected from the inside of a box or enclosure to the outside of a box or enclosure.

This new connector is supplied in kit form with a male SERVIT POST™, female SERVIT®, (2) stainless steel washers, split lock washer and sealing washer.

The available “Application Guideline” document helps describe the application with visuals and installation examples.

Features & Benefits

- Provides an easy way to connect ground wires “through” an enclosure wall
- Includes Male SERVIT POST™, Female SERVIT®, (2) Stainless Steel Washers, Split Lock Washer, Sealing Washer
- Split Lock Washer allows adjustment of conductor orientation
- Made of Silicon Bronze material (connectors) and Stainless Steel Hardware, Sealing Washer
- Meets NEMA 4X requirements when installed correctly
- Application Guideline document available
- Industry-proven split bolt/SERVIT POST™ technology
- UL467 Listed for the US and Canadian Markets



	Qty	Description
1	1	Male Servit Post
2	1	Stainless Steel Split Lock Washer*
3	2	Stainless Steel Flat Washer*
4	1	Sealing Washer*
5	1	Female SERVIT*

*One flat washer and sealing washer to be installed on outside of box or, where applicable, to side of wall exposed to atmospheric or contaminated conditions. Remaining hardware to be mounted to opposite side of the wall as shown.

Catalog Number	ACCOMMODATES			NUT TORQUE IN-LBS [N-M]	MAX. THRU HOLE
	AWG		METRIC		
	STRANDED	SOLID	STRANDED		
KCKF23	#8 (.146) - #2 (.292)	#10 (.102) - #1 (.289)	10mm ² (4.1) - 35mm ² (6.5)	275 [31.1]	7/16
KCKF25	#2 (.292) - 1/0 (.373)	#2 (.258) - 2/0 (.365)	35mm ² (6.5) - 50mm ² (9.3)	385 [43.5]	9/16
KCKF28	#1 (.332) - 4/0 (.528)	#1 (.289) - 4/0 (.460)	50mm ² (9.3) - 95mm ² (12.8)	500 [56.5]	1 1/16

Notes:

Dimensions in () are cable diameters.

Diameters of AWG wires are in inches.

Diameters for metric wires are given in mm.

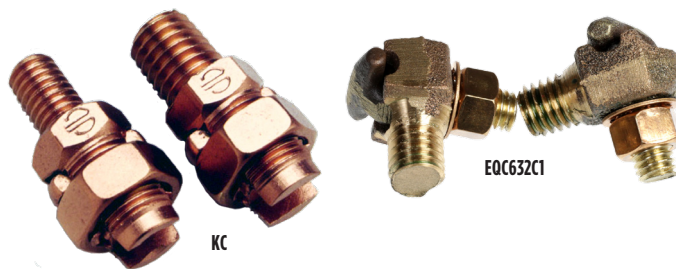
Transformer Ground Connectors; SERVIT® Split Bolt Connectors

Types KC-J12, EQC632C1 Transformer Ground Connectors for Copper

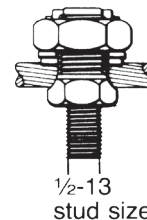
Equipment grounding connection point that installs within an equipment ground nut. Fits all standard EEI-NEMA distribution transformers as tank grounding terminal.



EQC632C1



Catalog Number	Ranges	Stud Size
KC22J12T13	8 Sol. - 2 Sol.	1/2"-13
KC26	2 Sol. - 2/0 Str.	1/2"-13
KC34J12T13	3/0 - 500 Str.	1/2"-13
EQC632C1	8 Sol. - 2 Str.	1/2"-13



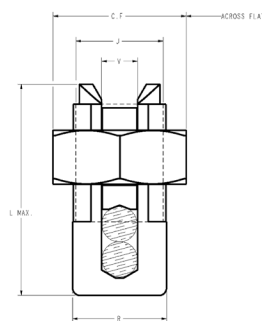
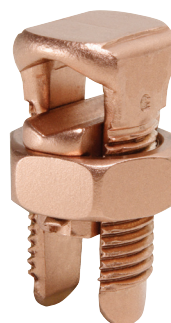
Type KC22B2

1/2-13
stud size

Type KS SERVIT® Split Bolt Connector for Copper

Compact, high strength, high copper alloy SERVIT® split bolt has free-running threads and easy to grip wrench flats. Highly resistant to season cracking and corrosion, the SERVIT® connectors provide maximum pressure and assure a secure connection on all combinations of run and tap conductors.

Rated for Direct Burial in earth or concrete
UL467 Listed



Catalog Number	Cross Flats	L	W	Copper Conductor Range	Rebar with (1) #8 Sol. Cu	Recommended Tightening Torque (in-lb)
KS15	0.50	0.85	0.38	10 - 8 Str.	—	80
KS17	0.63	1.14	0.45	8 Str. - 6 Sol.	—	165
KS20	0.69	1.20	0.51	8 Str. - 4 Sol.	—	165
KS22	0.75	1.50	0.60	6 Str. - 2 Sol.	—	275
KS23	0.82	1.54	0.62	6 Str. - 2 Str.	—	275
KS25	0.94	1.77	0.73	4 Str. - 1/0 Str.	—	385
KS26	1.05	1.94	0.82	2 Str. - 2/0 Str.	#3 (3/8")	385
KS27	1.36	1.86	1.17	1 Str. - 3/0 Str.	—	500
KS29	1.36	2.07	1.17	1 Str. - 250	#4 (1/2")	650
KS31	1.70	2.51	1.41	1/0 Str. - 350	#5 (5/8")	650
KS34	1.82	2.79	1.48	2/0 Str. - 500	#6 (3/4")	825

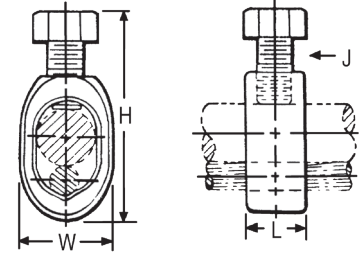
Ground Rod Clamps; High Strength; Range taking

Type GRC High Strength Ground Rod Clamp for Copper Cable to Rod

High copper alloy ground connector for joining a range of cable to copper clad, galvanized steel, and stainless steel ground rods. Slips over end of rod, one-wrench installation. UL467 Listed for direct burial in earth and concrete.

Rated for Direct Burial in earth or concrete

UL467 Listed for the US and Canadian Markets



Catalog Number	Drive Rod	Conductor Range		H	W	L	J
		Min.	Max.				
GRC12	1/2	10 Sol.	2 Str.	2.00	0.89	0.63	3/8
GRC58	5/8	10 Sol.	1 Str.	2.19	0.95	0.63	3/8
GRC34	3/4	8 Sol.	1/0 Str.	2.47	1.09	0.65	3/8

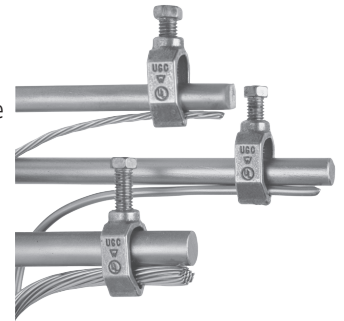
Type GCRT1/0 Ground Clamp Range Taking up to 1/0

The GCRT1/0 is a range taking ground rod clamp offering another choice from the BURNDY® family of connectors. The GCRT1/0 works on 1/2", 5/8" and 3/4" ground rods, #4-#5 rebar with a wire range of #10 through 1/0. High copper alloy, stainless steel bolt.



Features & Benefits

- Range taking design helps reduce inventory needs
- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets
- High copper alloy, stainless steel bolt



Catalog Number	Drive Rod	Rebar	Conductor Range	H	W	L	J
GCRT1/0	1/2, 5/8, 3/4	#4 - #5	#10 - 1/0	2.75	1.04	0.56	7/16

Type GRL Light Duty Economical Ground Rod Clamp

UL467 Listed; Acceptable for direct burial in earth or concrete.

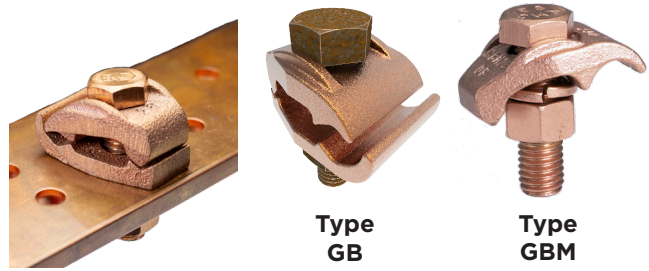


Catalog Number	Rod Size	Conductor Range	
		Minimum	Maximum
GRL3	3/8 in	10 AWG	4 AWG
GRL4	1/2 in	10 AWG	2 AWG
GRL5	5/8 in	10 AWG	2 AWG
GRL6	3/4 in	10 AWG	2 AWG

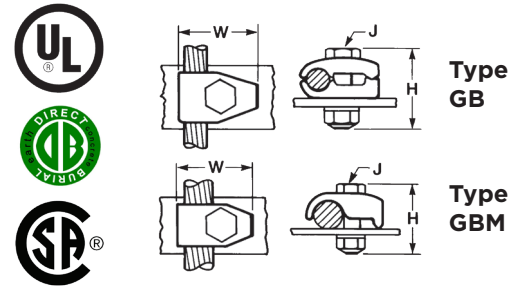
Copper Cable to Bar; Two Copper Cables to Bar

Types GB, GBM, GBH Ground Connector for Copper Cable to Bar

High copper alloy ground connector for joining a range of cable to 1/4" thick bar.* Type GB separates cable from bar, GBM clamps cable directly on bar surface. The high copper alloy cast body and DURIMUM™ silicon bronze bolts, nuts, and lockwashers make the GB, GBM and GBH suitable for direct burial in concrete or ground. Types GBH area heavy duty connectors qualified to IEEE837-2014. See Note at the bottom of the page.



Rated for Direct Burial in earth or concrete
 UL467 Listed for the US and Canadian Markets①
 One wrench installation
 Select connectors qualified to IEEE-837-2014

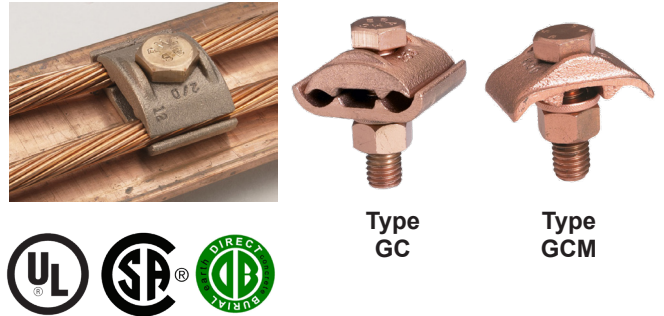


Catalog Number		Cable	H Type GB / GBL	H Type GBM	J	W Type GB/GBL	W Type GBM	Rec. Torque
Type GB	Type GBM							
GB4C	GBM4C	8 AWG-4 AWG	1-1/2	1-1/2	3/8	1-1/4	1-1/4	240
GB26	GBM26	4 AWG-2/0 AWG	2	1-1/2	3/8	1-1/2	1-1/2	240
GBL30 ①	—	4 AWG-300 kcmil	2	—	1/2	1-7/8	—	480
GB29	GBM29	2/0 AWG-250 kcmil	2	2	1/2	2	2	480
GB34	GBM34	300 kcmil-500 kcmil	3	2-1/4	1/2	2-3/8	2-3/8	480
GBH26 ②	-	#4 SOL - 2/0 STR	2-1/3	-	1/2	1-1/2	-	480

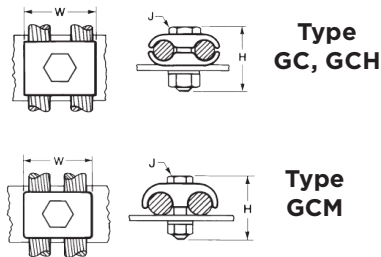
① GBL30 is not UL Listed ② Qualified to IEEE837-2014

Types GC, GCM, GCH Ground Connector for Two Copper Cables to Bar

High copper alloy ground connector for joining a wide range of two parallel cables to 1/4" thick bar.* Type GC, GCH separates cable from bar, GCM clamps cable to bar surface. The high copper alloy cast body and DURIMUM™ silicon bronze bolts, nuts, and lockwashers make the GC, GCM and GCH suitable for direct burial in concrete or ground. Types GCH area heavy duty connectors qualified to IEEE837-2014. See Note at the bottom of the page.



Rated for Direct Burial in earth or concrete
 UL467 Listed for the US and Canadian Markets
 One wrench installation
 Select connectors qualified to IEEE-837-2014



Catalog Number		Cable	H Type GC	H Type GCM	J	W Type GC/GCL	W Type GCM	Rec. Torque
Type GC	Type GCM							
GC4C4C	GCM4C	8 AWG-4 AWG	1-1/2	1-1/2	3/8	1-3/8	1	240
GC2626	GCM26	4 AWG-2/0 AWG	2	1-1/2	3/8	1-3/4	1-3/8	240
GCL30 ①	—	5 AWG-300 kcmil	2	—	1/2	1	—	480
GC2929	GCM29	2/0 AWG-250 kcmil	2-1/4	2	1/2	2-1/4	2	480
GC3434	GCM34	300 kcmil-500 kcmil	2-7/8	2-1/4	1/2	2-7/8	2-5/8	480
GCH2626 ②	-	#4 SOL - 2/0 STR	2-1/3	-	1/2	1-7/9	-	480

① GCL30 is not UL Listed ② Qualified to IEEE 837-2014

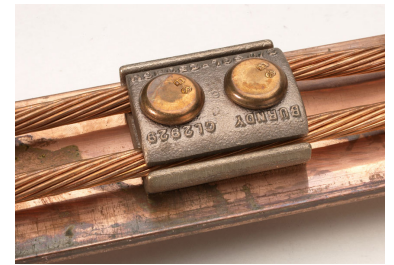
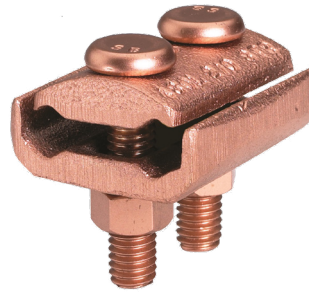
NOTE:

The GB, GBM, GC, GCM, GL and GZ are all used for joining a range of cable to bar. The catalog numbers in each table accommodate the indicated cable range and up to 1/4" thick bar. Optional bolt lengths are available to accommodate up to 1" thick bar. For bar thicknesses from 1/4" to 1/2", add the suffix "T4" to the catalog number in the table. For bar thicknesses from 1/2" to 1", add the suffix "T8" to the catalog number in the table.

Type GL, Two Copper Cables to Bar; Type GZ, Copper Cable to Bar

Type GL Ground Connector for Two Copper Cables to Bar

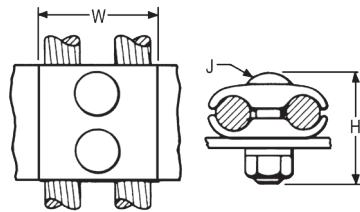
High copper alloy ground connector for joining a wide range of two parallel cables to 1/4" thick bar.* Two-bolt design, separates cable from bar. The high copper alloy cast body and DURIMUM™ silicon bronze bolts, nuts, and lockwashers make them suitable for direct burial in concrete or ground. See Note at the bottom of the page.



Rated for Direct Burial in earth or concrete

UL467 Listed

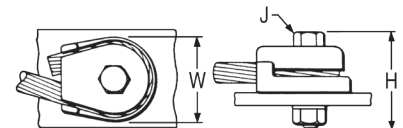
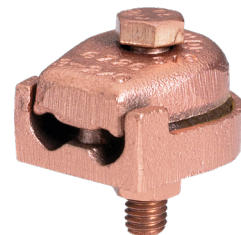
One wrench installation



Catalog Number	Conductor	H	J	W
GL4C4C	8 AWG-4 AWG	1-1/2	3/8	1-3/8
GL2626	4 AWG-2/0 AWG	2	3/8	1-3/4
GL2929	2/0 AWG-250 kcmil	2-1/4	1/2	2-1/4
GL3434	300 kcmil-500 kcmil	2-7/8	1/2	2-7/8

Type GZ Ground Connector for Copper Cable to Bar

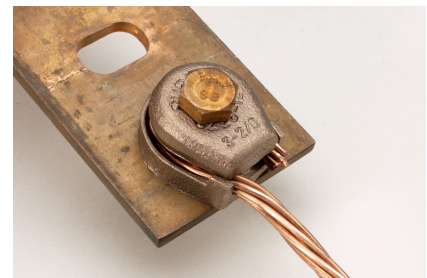
High copper alloy ground connector for joining a wide range of cable to 1/4" thick bar*. Cable is gripped by curving it around the clamping bolt in connector groove. The high copper alloy cast body and DURIMUM™ silicon bronze bolts, nuts, and lockwashers make them suitable for direct burial in concrete or ground. See Note at the bottom of the page.



Rated for Direct Burial in earth or concrete

UL467 Listed for the US and Canadian Markets

Catalog Number	Conductor	H	J	W
GZ4C-38	8-4	1-1/2	3/8	1-1/8
GZ4C-12	8-4	1-7/8	1/2	1-3/4
GZ4C-58	8-4	2	5/8	1-3/4
GZ26-38	3-2/0	2	3/8	1-5/8
GZ26-12	3-2/0	2-1/8	1/2	1-3/4
GZ26-58	3-2/0	2-1/4	5/8	1-3/4
GZ29-38	3/0-250	2-1/4	3/8	2-1/4
GZ29-12	3/0-250	2-3/8	1/2	2-1/4
GZ29-58	3/0-250	2-1/2	5/8	2-1/4



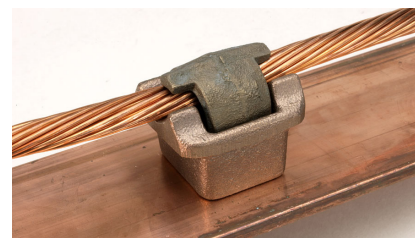
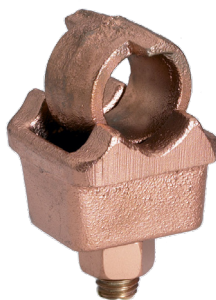
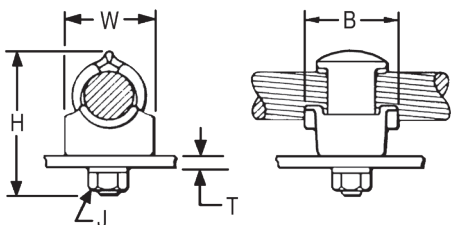
NOTE:

The GB, GBM, GC, GCM, GL and GZ are all used for joining a range of cable to bar. The catalog numbers in each table accommodate the indicated cable range and up to 1/4" thick bar. Optional bolt lengths are available to accommodate up to 1" thick bar. For bar thicknesses from 1/4" to 1/2", add the suffix "T4" to the catalog number in the table. For bar thicknesses from 1/2" to 1", add the suffix "T8" to the catalog number in the table.

BARTAP™, Copper Cable to Flat Bar or Pad; Grounding Terminal

Type QGFL BARTAP™ Copper Cable to Flat Bar or Pad

High copper alloy BARTAP™ for joining a range of cable to bar or pad. One-wrench installation. DURIUM™ silicon bronze nut and lockwasher. Can be installed side by side or in line on a NEMA drilled bar.



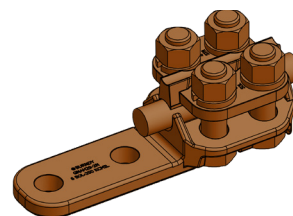
Catalog Number	Copper Conductor	B	H	J	T (Max)	W
QGFL1CB1	#10 Sol. - #1 Str.	1-1/8	1-7/8	3/8	1/4	1
QGFL1CB1T6	#10 Sol. - #1 Str.	1-1/8	2-3/8	3/8	3/4	1
QGFL26B1	#8 Sol. - #2/0 Str.	1-1/4	2-1/8	3/8	1/4	1-1/8
QGFL26B1T6	#8 Sol. - #2/0 Str.	1-1/4	2-5/8	3/8	3/4	1-1/8
QGFL26B2*	#8 Sol. - #2/0 Str.	1-1/4	2-8/25	1/2	1/4	1-1/8
QGFL26B2T6*	#8 Sol. - #2/0 Str.	1-1/2	2-40/50	1/2	3/4	1-1/8
QGFL29B1*	#6 Str. - 250 kcmil	1-2/5	2-5/8	1/2	1/4	1-3/8
QGFL29B1T6*	#6 Str. - 250 kcmil	1-5/8	3-1/8	1/2	3/4	1-3/8
QGFL31B1*	2 AWG - 350 kcmil	1-3/4	2-7/8	1/2	1/4	1-5/8
QGFL31B1T6*	2 AWG - 350 kcmil	1-3/4	3-1/4	1/2	3/4	1-5/8
QGFL34B1	1/0 AWG - 500 kcmil	2	3-1/8	1/2	1/4	1-3/4
QGFL34B1T6	1/0 AWG - 500 kcmil	2	3-5/8	1/2	3/4	1-3/4
QGFL39B1	350 kcmil - 750 kcmil	2-1/4	3-1/4	1/2	1/4	1-3/4
QGFL39B1T6	350 kcmil - 750 kcmil	2-1/4	3-5/8	1/2	3/4	1-3/4
QGFL44B1	750 kcmil - 1000 kcmil	2-1/4	3-3/8	1/2	1/4	2-1/8
QGFL44B1T6	750 kcmil - 1000 kcmil	2-1/4	4-1/8	1/2	3/4	2-1/8
QGFL46B1	1000 kcmil - 1500 kcmil	2-1/4	4	1/2	1/4	2-1/2
QGFL46B1T6	1000 kcmil - 1500 kcmil	2-1/4	4-1/2	1/2	3/4	2-1/2
QGFL48B1	1500 kcmil - 2000 kcmil	2-1/4	4-3/4	1/2	1/4	3

* Can be installed side by side or in line on NEMA drilled bar.

Type GNAH Grounding Terminal

Cast copper alloy grounding terminal for equipment grounding-type applications. 2-hole NEMA drilling (1/2" holes, 1-3/4" center to center) on tongue. Qualified to IEEE 837-2014

Catalog Number	Cable	L	H	W	J	Rec. Torque
GNAH292N	#6 Sol - 250 kcmil Small Groove: #6 Sol - 1/0 Str Large Groove: 2/0 Str - 250 kcmil	5.88"	2.26"	2.44" (large groove)	1/2"	480

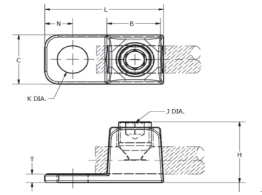
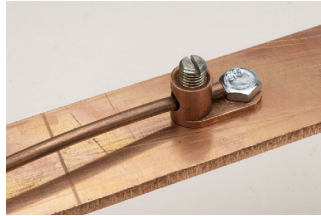


Connectors for Copper Types GKA and KPB

Type GKA Connector for Copper

Mechanical connector for grounding and bonding termination applications. One-piece body construction provides mechanical integrity in an underground environment. Supplied with stainless steel headless screw, the GKA25SB and GKA28SB have silicon bronze hardware.

Rated for Direct Burial in earth or concrete
UL467 Listed for the US and Canadian Markets



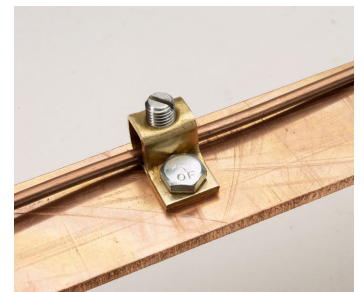
Catalog Number	Cable Range	B	C	H	J Dia.	K	L
GKA8C*	10 AWG-8 AWG	0.31	0.38	0.58	#12-24 (Slot)	0.21	0.81
GKA4C*	14 AWG-4 AWG	0.46	0.54	0.71	5/16-24 (Slot)	0.28	1.13
GKA25	4 AWG-1/0 AWG	0.69	0.75	0.94	1/2-20 (Hex)	0.42	1.69
GKA28	1 AWG-4/0 AWG	0.81	0.94	1.25	5/8-18 (Hex)	0.42	1.94
GKA25SB	4 AWG-1/0 AWG	0.69	0.75	0.94	1/2-20 (Hex)	0.42	1.69
GKA28SB	1 AWG-4/0 AWG	0.81	0.94	1.25	5/8-18 (Hex)	0.42	1.94

* GKA8C, GKA4C are cULus Listed.

Type KPB Connector for Copper

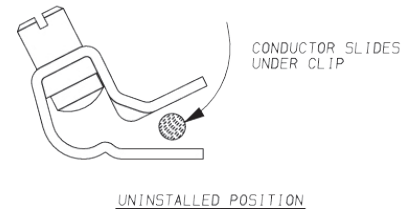
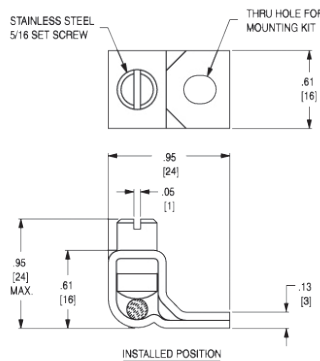
Mechanical connector for continuous run grounding and bonding applications. This exclusive BURNDY® design accommodates #10 - #4 copper where continuous conductor runs are preferable.

Rated for Direct Burial in earth or concrete
UL467 and UL486 Listed



Catalog Number	Copper Cable Range	Stud Hole
KPB4CG1 ①	10 AWG-4 AWG	#10

① Can be assembled with optional TMH322SS stainless steel hardware kit, ordered separately.



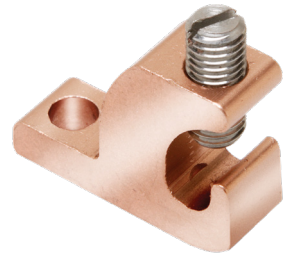
Copper Lay-In QIKLUG™ Connectors Types CL50-1, CL50-1TN, CL

Types CL50-1, CL50-1TN Copper Lay-in QIKLUG™ for Copper

The Lay-In QIKLUG™ is manufactured from high strength pure electrolytic copper to ensure maximum strength and conductivity. The open-faced design allows for fast lay-in of the conductor without the need for cutting or breaking. Stainless steel screws used for excellent corrosion resistance.

Rated for Direct Burial in earth or concrete

UL467 and UL2703 Listed for the US and Canadian Markets*



Catalog Number	Conductor Range	Stud Hole	Recommended Torque by Wire Size	
CL50-1	14 AWG-4 AWG	#10	14-10 AWG 8 AWG 6-4 AWG	20 in-lb 25 in-lb 35 in-lb
CL50-1TN*	14 AWG-4 AWG	#10		
CL50-1TN BULK*	14 AWG-4 AWG	#10		
CL501TNMHSST†	14 AWG-4 AWG	#10		
CL501TNMHWS‡	14 AWG-4 AWG	#10		

* CL501-TN & CL50-1TNBULK Listed to both UL2703 for Solar Applications and UL467 for direct burial.

† Stainless Steel Mounting Hardware; Hex Head Self Tapping Screw and Washer

‡ Stainless Steel Mounting Hardware; Slotted Hex Head Machine Screw, Washer, Nut

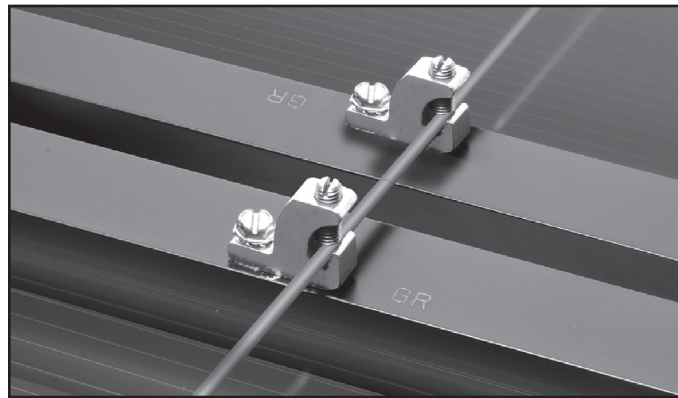
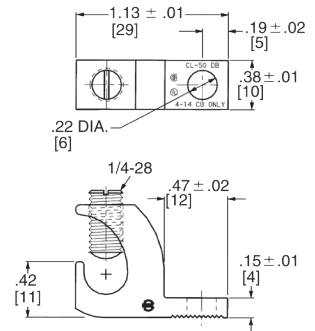
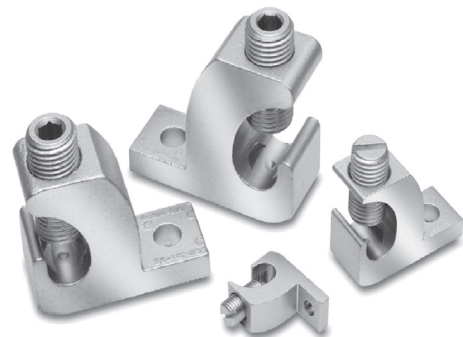


Photo above shows a typical solar panel installation using CL50-1TN connectors.

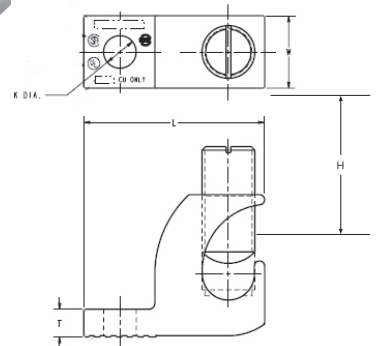
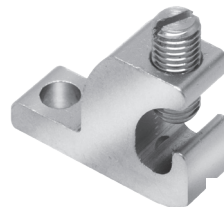


Type CL Copper Lay-in QIKLUG™ for Copper

Manufactured for maximum strength and conductivity, these lay-in lugs allow for continuous runs of conductor and are well suited as terminations as well. Tin-plated, set screw style connectors, three sizes cover a range from #14 AWG to 250 kcmil.

CL3/0-516TN and CL250-516TN are UL 486A-B Wire Connectors and CSA Certified. CL1/0-14TN UL Listed for grounding and CSA Certified. 90° C rated. Suitable for copper conductors only.

Catalog Number	Wire Range Copper	H	W	L	T	K Dia.	Hex Size
CL1/0-14TN	#14 - 1/0 AWG	1.17	0.60	1.50	0.22	0.27	7/16-20 (Slotted)
CL3/0-516TN	#6 - 3/0 AWG	1.56	0.80	2.00	0.30	0.33	9/16-18 (0.25 Hex)
CL250-516TN	#6 AWG - 250 kcmil	1.79	0.80	2.20	0.30	0.33	9/16-18 (0.25 Hex)



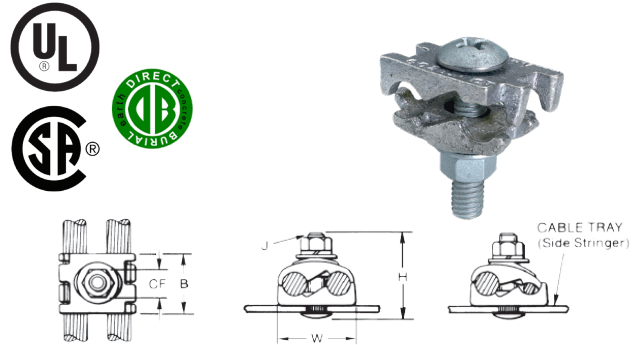
Type GC-CT Cable Tray Ground Clamp

This unique connector incorporates features which are unmatched. Made of tin-plated cast copper alloy, it accommodates either one or two conductors, copper or aluminum cable. In addition to a low profile head with a deep Phillips recess, the galvanized steel bolt has a ribbed neck which prevents rotation during installation when installed in a 0.44 diameter hole.

Rated for Direct Burial in earth or concrete

UL467 Listed for the US and Canadian Markets with copper conductor only

For aluminum conductor, the cable must be scratch brushed and PENETROX™ A joint compound must be applied on the cable and connector



NOTE: The bolt head is mounted on the inside wall of cable tray to avoid damage to the cable insulation. May be used with aluminum or galvanized steel cabletray.

Catalog Number	Accommodates Copper or Aluminum Conductor in either groove	B	CF	H	J	W
GC2525CT	#6 Sol. (0.16 Dia.) - 1/0 Str. (0.37 Dia.)	1.12	0.56	1.95	3/8	1.45
GC2626CT	#2 Sol. (0.26 Dia.) - 2/0 Str. (0.42 Dia.)	1.12	0.56	1.95	3/8	1.70
GC2929CT	2/0 Str. (0.41 Dia.) - 250 kcmil (0.58 Dia.)	1.12	0.56	2.20	3/8	1.98
GC3434CT	300 kcmil (0.63 Dia.) - 500 kcmil (0.81 Dia.)	2.00	0.75	3.31	1/2	2.48

Types BTCGC, BTCGC-SS Cu/Al Conductor to Al/Steel Cable Tray, Solar PV Module Frames or Galvanized Steel Purlins

Made of tin-plated aluminum, the BTCGC and BTCGC-SS cable tray and flange clamps accommodate aluminum or copper conductor #14 AWG through 250 kcmil. SS version is suitable for outdoor applications. The BTCGC clamp may be used with most types of cable tray with an inside or outside flange design or surfaces with flat flanges.

Quick and easy installation requiring no drilling or special tools; use with 1/2" maximum straight rail, aluminum and steel cable trays. Tin plated for durability and corrosion resistance.

Features & Benefits

- Tin plated aluminum for durable, long lasting corrosion resistance
- UL2703 Listed for solar applications within the US and Canadian Markets*
- UL467 Listed for the US and Canadian Markets
- Accommodates most common styles of cable tray with inside or outside flange
- Quick and easy installation; no drilling or special tools required
- Set screw bonds clamp to the mounting surface while another set screw securely fastens the grounding conductor to the clamp providing vibration resistance and outstanding pull-out values
- Grounding Green Stainless Steel Hardware*
- BTCGC4SS UL 2703 approved for Solar PV Module Frames up to 1/4" thick



Catalog Number	Copper or Aluminum Conductor	Max. Flange Thickness	L	W	H	Inst. Tooling	Rec. Inst. Torque (in-lb)		UL Surface Compatibility			
							Cable	Flange	Al Cable Tray	Steel Cable Tray	Anodized AL	Galv. Steel
BTCGC4SS	#14 AWG - #4 AWG	1/4" Max	1.35	0.50	1.30	7/16" Hex	30	50	Y	Y	Y	Y
BTCGC1/0SS	#12 AWG - 1/0 kcmil	3/8" Max	1.60	0.75	1.55	9/16" Hex	100	150	Y	Y	N	Y
BTCGC250SS*	#6 AWG - 250 kcmil	1/2" Max	2.25	0.88	2.43	1/4" Hex Key	225	150	Y	N	N	Y
BTCGC250	#6 AWG - 250 kcmil	1/2" Max	2.25	0.88	2.43	1/4" Hex Key	225	150	Y	N	N	Y

*Except BTCGC250

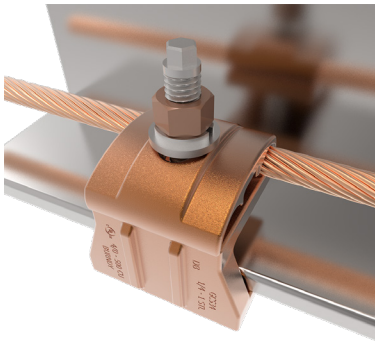
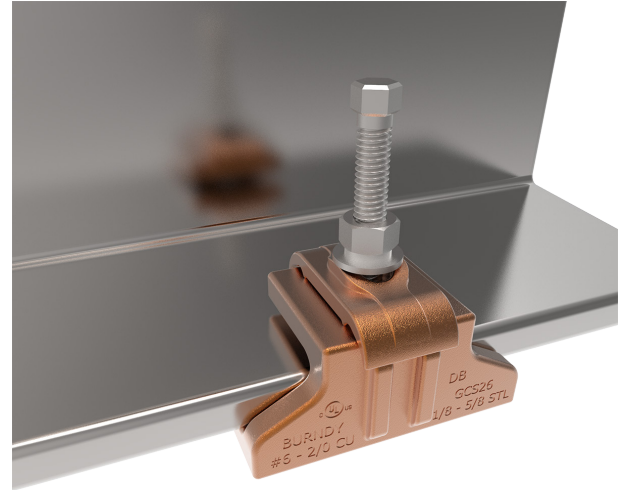
Ground Connector to Steel The CONSTRUCTOR®; Type GCS-HEX

Type GCS-HEX; The CONSTRUCTOR® Ground Connector to Steel

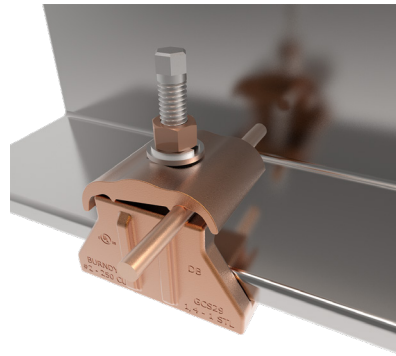
The Type GCS-HEX series of connectors are used to ground cable to steel, I-beam, storage containers, or other flanged surfaces, in applications where drilling is either not possible or unwanted. Installation of the GCS-HEX type connectors requires no power tools and is suitable for applications where a removable connection is desired. The CONSTRUCTOR® GCS-HEX series of grounding connectors are UL Listed for Grounding and Bonding and Direct Burial Rated for installation in earth and concrete.

Features & Benefits

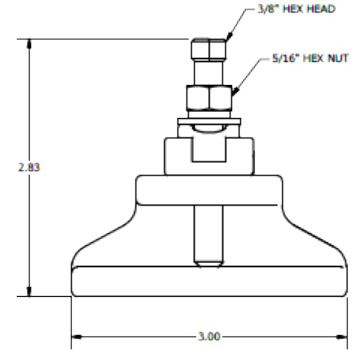
- ★ Easy and simple hex tooling installation
- ★ No hot work permit or drilling required
- Versatile; allows parallel or perpendicular conductor orientation
- Accepts 1 or 2 conductors
- Accepts beam thickness .125 - 1.000" (1/8" to 1")
- Conductor range from #6 AWG to 500 kcmil
- UL467 Listed
- Rated for Direct Burial in earth or concrete



Parallel Configuration



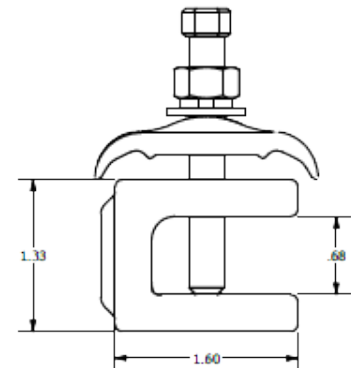
Perpendicular Configuration



Line Art dimensions shown are GCS26HEX connector

Catalog Number	Accommodates		Installation Torque		Installation Tooling	
	Copper Conductor Size	Beam Thickness	Screw	Nut	Screw	Nut
GCS26HEX*	#6 - 2/0 AWG	1/8" to 5/8"	100 in-lb	180 in-lb	3/8"	1/2"
GCSL28HEX	#2 - 4/0 AWG	1/4" to 1"	180 in-lb	240 in-lb	3/8"	9/16"
GCS29HEX	#2 - 250 kcmil	1/4" to 1"	180 in-lb	240 in-lb	3/8"	9/16"
GCS34HEX	250 - 500 kcmil	1/2" to 1"	180 in-lb	480 in-lb	3/8"	3/4"

* GCS26HEX only cULus



Tower Ground Clamps 1-Hole Clamp (with WEEB® Washer)

Types GCSYA-WEEB, GCS2YA Tower Ground Clamps

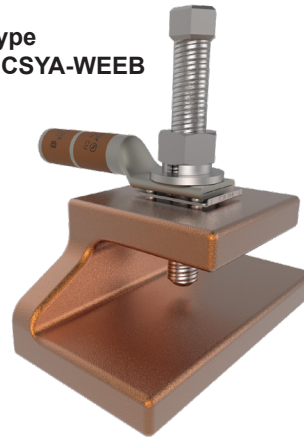
The GCSYA-WEEB and GCS2YA series of connectors are used to terminate the equipment grounding conductor (EGC) to the tower structure, in applications where drilling or hot work permits are either not possible or unwanted. Installation requires no power tools and is simple to install. The GCSYA-WEEB single hole version is assembled with a WEEB® Washer to reduce one-hole lug rotation. These connectors can also be used in a variety of other applications as it is suitable to bond steel from 1/8" - 5/8" thick.

Features & Benefits

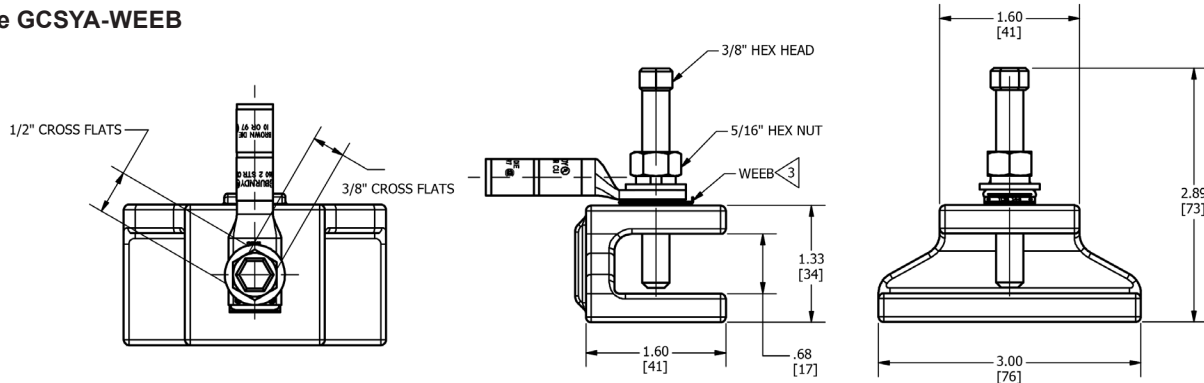
- Provides proper grounding of towers
- Easy and simple hex tooling installation
- No hot work permit or drilling required
- Includes compression lug and anti-rotation WEEB® Washer for one-hole applications
- Accommodates steel 1/8" to 5/8" thick
- Conductor range from #8 AWG to #2 AWG
- UL467 Listed
- AT&T Approved



Type GCSYA-WEEB



Type GCSYA-WEEB



One-Hole Style includes WEEB® Washer

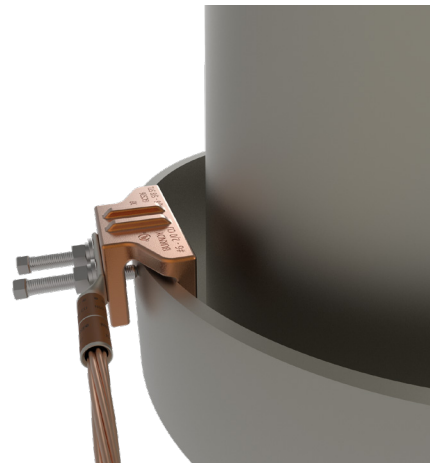
Catalog Number	Conductor	Flange Thickness	Recommended Torque (in-lb)		Compression Lug	Compression Lug Installation Tooling and Details
			Bolt	Nut		
GCSYA8CWEEB	#8 AWG	1/8" to 5/8"	100	180	YA8CTC38	See Sales Drawings or Section C (Compression) in the BURNDY Catalog
GCSYA6CWEEB	#6 AWG				YA6CTC38	
GCSYA4CWEEB	#4 AWG				YA4CTC38	
GCSYA3CWEEB	#3 AWG				YA3C	
GCSYA2CWEEB	#2 AWG				YA2C	
GCSYA1CWEEB	#1 AWG				YA1C	
GCSYA25WEEB	1/0 AWG				YA25	
GCSYA26WEEB	2/0 AWG				YA26TC516	

Tower Ground Clamps 2-Hole Variations (no WEEB® Washer)

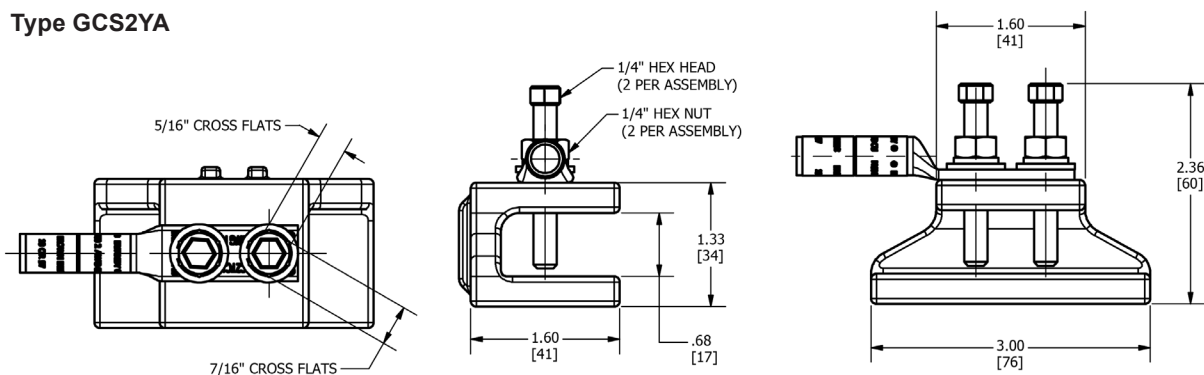
Types GCSYA-WEEB, GCS2YA (Continued)



Type GCS2YA



Type GCS2YA



Two-Hole Style does not include WEEB® Washer

Catalog Number	Conductor	Flange Thickness	Recommended Torque (in-lb)		Compression Lug	Compression Lug Installation Tooling and Details
			Bolt	Nut		
GCS2YA8C	#8 AWG	1/8" to 5/8"	100	180	YA8C2TC14E2	See Sales Drawings or Section C (Compression) in the BURNDY Catalog
GCS2YA6C	#6 AWG				YA6C2TC14E2	
GCS2YA4C	#4 AWG				YA4C2TC14E2	
GCS2YA3C	#3 AWG				YA3C2TC14E2	
GCS2YA2C	#2 AWG				YA2C2TC14E2	
GCS2YA1C	#1 AWG				YA1C2TC14E2	
GCS2YA25	1/0 AWG				YA252TC14E2	
GCS2YA26	2/0 AWG				YA262TC14E2	

Parallel or 90° Copper Cable Connection to Rod or Pipe

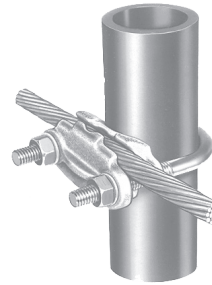
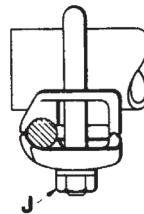
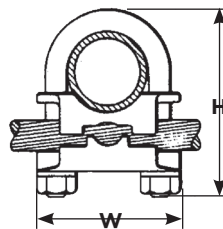
Type GAR for Parallel or 90° Copper Cable Connection to Rod or Pipe with the same connector

High copper alloy ground connector for joining a range of cable, parallel, or at right angles, to rod or tube. Especially good for fence posts. High copper alloy cast body with DURIMUM™ Silicon Bronze U-bolts, nuts, and lockwashers, permit entire connection to be buried in earth or concrete without danger of corrosion.

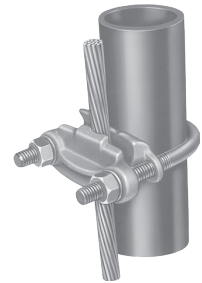


Features & Benefits

- Wire to Rebar
- Fence Post Grounding Connector
- Wire to Pipe
- One-wrench installation
- Rated for Direct Burial in earth or concrete
- UL467 Listed for US and Canadian Markets
- Select connectors qualified to IEEE-837-2014



Wire at Right Angle to Pipe



Wire Parallel to Pipe

Catalog Number	Conductor				H	J	W
	Tube I.P.S.*	Rod Size or O.D. Range	Rebar Size	Cable Range			
GAR114C	1/4	1/2	—	8 Sol. - 4 Str.	2-1/2	3/8	1-7/8
GAR1126	1/4	1/2	—	4 Sol. - 2/0 Str.	2-1/2	3/8	1-7/8
GAR1129	1/4	1/2	—	2/0 Sol. - 250	2-1/2	3/8	1-7/8
GAR644C	3/8	5/8 - 3/4	5 - 6	8 Sol. - 4 Str.	2-7/8	3/8	2-1/8
GAR6426	3/8	5/8 - 3/4	5 - 6	4 Sol. - 2/0 Str.	2-7/8	3/8	2-1/8
GAR6429	3/8	5/8 - 3/4	5 - 6	2/0 Sol. - 250	2-7/8	3/8	2-1/8
GAR6434	3/8	5/8 - 3/4	5 - 6	300-500	3-1/2	1/2	2-1/2
GAR144C	1/2-3/4	7/8 - 1	7 - 8	8 Sol. - 4 Str.	2-3/4	3/8	2-3/8
GAR1426	1/2-3/4	7/8 - 1	7 - 8	4 Sol. - 2/0 Str.	3	3/8	2-3/8
GAR1429	1/2-3/4	7/8 - 1	7 - 8	2/0 Sol. - 250	3	3/8	2-3/8
GAR1434	1/2-3/4	7/8 - 1	7 - 8	300-500	3-3/4	1/2	2-3/4
GAR154C	1	1-1/8 - 1-1/4	9 - 10	8 Sol. - 4 Str.	2-7/8	3/8	2-5/8
GAR1526	1	1-1/8 - 1-1/4	9 - 10	4 Sol. - 2/0 Str.	2-7/8	3/8	2-5/8
GAR1529	1	1-1/8 - 1-1/4	9 - 10	2/0 Sol. - 250	3-3/8	3/8	2-5/8
GAR1534	1	1-1/8 - 1-1/4	9 - 10	300-500	4-1/2	1/2	2-5/8
GAR164C	1-1/4	1-3/8 - 1-1/2	11	8 Sol. - 4 Str.	3-1/2	3/8	3
GAR1626	1-1/4	1-3/8 - 1-1/2	11	4 Sol. - 2/0 Str.	3-1/2	3/8	3
GAR1629	1-1/4	1-3/8 - 1-1/2	11	2/0 Sol. - 250	3-1/2	3/8	3
GAR1634	1-1/4	1-3/8 - 1-1/2	11	300-500	4-1/4	1/2	3-3/8

* This is the "Trade" Pipe Size reference.

Parallel or 90° Copper Cable Connection to Rod or Pipe

Type GAR (Continued)



Catalog Number	Conductor				H	J	W
	Tube I.P.S.*	Rebar Size	Rod Size or O.D. Range	Cable Range			
GAR174C	1-1/2	—	1-5/8 - 1-7/8	8 Sol. - 4 Str.	4	3/8	3-1/4
GAR1726	1-1/2	—	1-5/8 - 1-7/8	4 Sol. - 2/0 Str.	4	3/8	3-1/4
GAR1729	1-1/2	—	1-5/8 - 1-7/8	2/0 Sol. - 250	4	3/8	3-1/4
GAR1734	1-1/2	—	1-5/8 - 1-7/8	300 - 500	4-5/8	1/2	2-5/8
GAR184C	2	—	2 - 2-3/8	8 Sol. - 4 Str.	4-1/4	3/8	3-3/4
GAR1826	2	—	2 - 2-3/8	4 Sol. - 2/0 Str.	4-1/4	3/8	3-3/4
GAR1829	2	—	2 - 2-3/8	2/0 Sol. - 250	4-1/2	3/8	3-3/4
GAR1834	2	—	2 - 2-3/8	300 - 500	5-1/4	1/2	4-1/8
GAR194C	2-1/2	—	2-1/2 - 2-7/8	8 Sol. - 4 Str.	5	3/8	4-1/4
GAR1926	2-1/2	—	2-1/2 - 2-7/8	4 Sol. - 2/0 Str.	5	3/8	4-1/4
GAR1929	2-1/2	—	2-1/2 - 2-7/8	2/0 Sol. - 250	5	3/8	4-1/4
GAR1934	2-1/2	—	2-1/2 - 2-7/8	300 - 500	5-5/8	1/2	4-5/8
GAR204C	3	—	3 - 3-1/2	8 Sol. - 4 Str.	5-5/8	3/8	4-3/4
GAR2026	3	—	3 - 3-1/2	4 Sol. - 2/0 Str.	5-5/8	3/8	4-3/4
GAR2029	3	—	3 - 3-1/2	2/0 Sol. - 250	5-5/8	3/8	4-3/4
GAR2034	3	—	3 - 3-1/2	300 - 500	6-3/8	1/2	5-1/4
GAR214C	3-1/2	—	3-1/2 - 4	8 Sol. - 4 Str.	6-1/4	3/8	5-3/8
GAR2126	3-1/2	—	3-1/2 - 4	4 Sol. - 2/0 Str.	6-1/4	3/8	5-3/8
GAR2129	3-1/2	—	3-1/2 - 4	2/0 Sol. - 250	6-1/4	3/8	5-3/8
GAR2134	3-1/2	—	3-1/2 - 4	300 - 500	6-3/4	1/2	5-3/4
GAR224C	4	—	4 - 4-1/2	8 Sol. - 4 Str.	6-3/8	3/8	5-7/8
GAR2226	4	—	4 - 4-1/2	4 Sol. - 2/0 Str.	6-3/8	3/8	5-7/8
GAR2229	4	—	4 - 4-1/2	2/0 Sol. - 250	6-3/8	3/8	5-7/8
GAR2234	4	—	4 - 4-1/2	300 - 500	6-7/8	1/2	6-1/4
GAR244C	5	—	—	8 Sol. - 4 Str.	7-3/4	3/8	6-7/8
GAR2426	5	—	—	4 Sol. - 2/0 Str.	7-3/4	3/8	6-7/8
GAR2429	5	—	—	2/0 Sol. - 250	7-3/4	3/8	7-1/4
GAR2434	5	—	—	300 - 500	8-5/8	1/2	7-1/4
GAR8629 ①	6	—	—	2/0 Sol. - 250	8-13/16	1/2	8-3/8
GAR8634	6	—	—	300 - 500	8-13/16	1/2	8-3/8

NOTE:

Contact BURNDY® for additional pipe and wire size combinations not shown

① Qualified to IEEE837-2014

* This is the "Trade" Pipe Size reference.

Ground Connectors Types GAR-BU, GAR3902

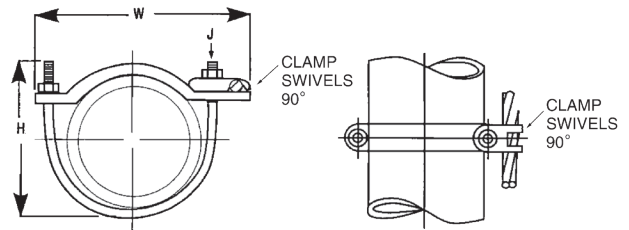
Types GAR-BU, GAR3902 Ground Connectors

Type GAR-BU is a high-conductivity copper ground connector for connecting a small to medium range copper ground conductor to water pipe as well as structural and reinforcing rod shapes. Universal acceptance of several sizes of cylindrical shapes makes this suitable for industrial construction and maintenance work as well as cathodic protection. Cable clamp swivels to permit parallel grounding of one pipe or 90° degree cable run for grounding several parallel pipes. Single wrench installation. UL467 Listed and CSA Certified.



Features & Benefits

- Cable clamp swivels at 90°; permits parallel grounding of one pipe on a 90° cable run for grounding several parallel pipes
- One-wrench installation for simplified installation
- DURIMUM™ silicon bronze hardware (-BU Series)* provides long lasting corrosion resistance and acceptable for direct burial in earth or concrete
- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets; provides quality assurance to recognized industry NEC standards from an independent party



Catalog Number	Cable Range	IPS Size **	O.D. Range	H	J	W	Recommended Tightening Torque
GAR3902-BU ①	#4- 4/0 AWG	1/2 - 1	0.84 - 1.32	3.50	3/8" - 16	3.25	240 in. - lbs.
GAR3903-BU ①	#4- 4/0 AWG	1-1/4 - 2	1.66 - 2.38	4.00	3/8" - 16	4.25	240 in. - lbs.
GAR3904-BU ①	#4- 4/0 AWG	2-1/2 - 3-1/2	2.88 - 4.00	6.50	3/8" - 16	6.00	240 in. - lbs.
GAR3905-BU ①	#4- 4/0 AWG	4 - 5	4.50 - 5.56	7.50	3/8" - 16	7.50	240 in. - lbs.
GAR3906-BU ①	#4- 4/0 AWG	6	6.62	8.50	3/8" - 16	8.62	240 in. - lbs.
GAR3907-BU ①	#4- 4/0 AWG	8	8.62	10.00	3/8" - 16	10.62	240 in. - lbs.
GAR3908-BU ①	#4- 4/0 AWG	10	10.75	12.00	3/8" - 16	12.75	240 in. - lbs.
GAR3909-BU ①	#4- 4/0 AWG	12	12.75	14.00	3/8" - 16	14.75	240 in. - lbs.
GAR3902 ②	#4- 4/0 AWG	1/2 - 1	0.84 - 1.32	3.50	3/8" - 16	3.25	240 in. - lbs.
GAR3903 ②	#4- 4/0 AWG	1-1/4 - 2	1.66 - 2.38	4.00	3/8" - 16	4.25	240 in. - lbs.
GAR3904 ②	#4- 4/0 AWG	2-1/2 - 3-1/2	2.88 - 4.00	6.50	3/8" - 16	6.00	240 in. - lbs.
GAR3905 ②	#4- 4/0 AWG	4-5	4.50 - 5.56	7.50	3/8" - 16	7.50	240 in. - lbs.
GAR3906 ②	#4- 4/0 AWG	6	6.62	8.50	3/8" - 16	8.62	240 in. - lbs.
GAR3907 ②	#4- 4/0 AWG	8	8.62	10.00	3/8" - 16	10.62	240 in. - lbs.
GAR3908 ②	#4- 4/0 AWG	10	10.75	12.00	3/8" - 16	12.75	240 in. - lbs.
GAR3909 ②	#4- 4/0 AWG	12	12.75	14.00	3/8" - 16	14.75	240 in. - lbs.

① Type GAR-BU is supplied with DURIMUM™ silicon bronze hardware and is Listed for direct burial

② Standard Type GAR-3900 series supplied with galvanized U-bolt and hardware

** Refer to Section O for tube dimensions.

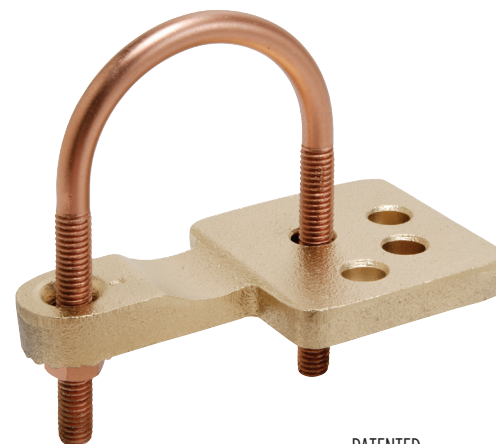
Water Pipe Ground Connector with Pad Type GAR-TC

Type GAR-TC Water Pipe Ground Connector

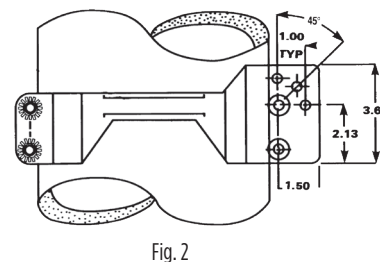
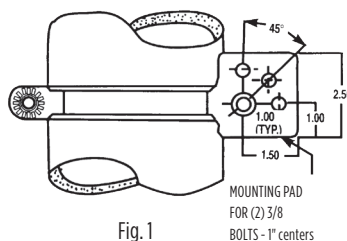
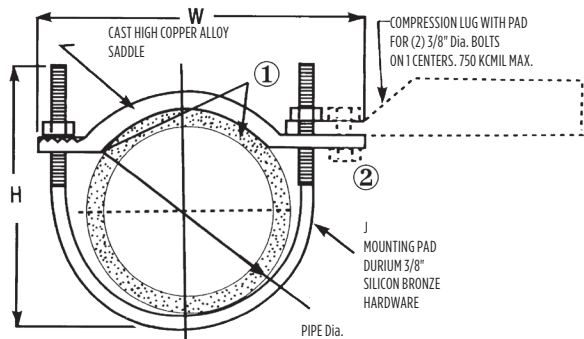
Type GAR-TC is a high-conductivity copper ground connector that features a pre-drilled pad, allowing a 2-hole compression terminal to be directly connected to water pipe as well as structural and reinforcing rod shapes. Universal acceptance of several sizes of cylindrical shapes makes this suitable for industrial construction and maintenance work as well as telecommunications grounding. Terminal may be mounted parallel, 45° or 90° degrees to the pipe. Acceptable for direct burial.

Features & Benefits

- Large, smooth connector contact area between pipe and ground clamp to maximize contact area between connector and pipe
- Type GAR-TC mounting pad permits parallel, 45°, or 90° angle connections to pipe for maximum flexibility for field installation
- Pre-drilled pad for (2) 3/8" bolts on 1" centers to allow for direct mounting of 2-hole compression terminals up to 750 kcmil to pipe
- DURIMUM™ silicon bronze hardware for long lasting corrosion resistance; acceptable for direct burial in earth or concrete
- One-wrench installation
- UL467 Listed for the US and Canadian Markets; provides quality assurance to recognized industry NEC standards from an independent party; Type GAR-TC is acceptable for Direct Burial in earth or concrete



PATENTED



Catalog Number	Figure #	Accommodates		H	J	W	Recommended Torque
		I.P.S. **	O.D. Size				
GAR3902TC	1	1/2 - 1	0.84 - 1.32	3.50	3/8	3.75	240
GAR3903TC	1	1-1/4 - 2	1.66 - 2.38	4.00	3/8	4.75	240
GAR3904TC	1	2-1/2 - 3-1/2	2.88 - 4.00	6.50	3/8	6.50	240
GAR3905TC	1	4 - 5	4.50 - 5.56	7.50	3/8	8.00	240
GAR3906TC	1	6	6.62	8.50	3/8	9.12	240
GAR3907TC	2	8	8.62	10.00	3/8	11.25	240
GAR3908TC	2	10	10.75	12.00	3/8	13.25	240
GAR3909TC	2	12	12.75	14.00	3/8	15.25	240

NOTES:

** Refer to Section O for tube dimensions.

Clean pipe surface beneath saddle until virgin metal is exposed, install GAR-TC ground connector and for maximum conductivity, apply PENETROX™ E oxide inhibiting compound around perimeter of saddle.

Add suffix "-TNET" for electro-tin plated connector and electro-tin plated DURIMUM™ silicon bronze hardware. Tin plated catalog number includes mounting hardware for second bolt hole.

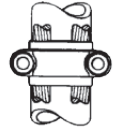
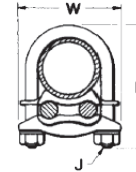
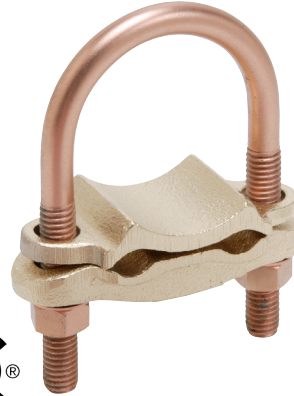
OPTIONAL MOUNTING HARDWARE

TMH-289 includes (1) 38X125HEB bolt, (1) 38CHEN nut, (1) 38SW split washer and (2) 38FW flat washers, ordered separately.

Two Copper Cables to Rod or Tube; Type GD Ground Connector

Type GD Two Copper Cables to Rod or Tube

High copper alloy ground connector for joining a range of two parallel cables to rod or pipe. Especially good for grounding fence posts. High copper alloy cast body with DURIMUM™ silicon bronze U-bolts, nuts, and lockwashers make the Type GD ground connectors are UL 467 Listed, suitable for direct burial in earth or concrete. One-wrench installation.



Features & Benefits

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets
- One-wrench installation



Catalog Number	Conductor			H	J	W
	Tube I.P.S. **	Rod Size or O.D. Range	Cable			
GD1526	1	1-1/8 - 1-1/4	4 Sol. - 2/0 Str.	3-3/8	3/8	2-5/8
GD1529	1	1-1/8 - 1-1/4	2/0 Sol. - 250	3-3/8	3/8	2-5/8
GD1626	1-1/4	1-3/8 - 1-1/2	4 Sol. - 2/0 Str.	3-1/2	3/8	3
GD1629	1-1/4	1-3/8 - 1-1/2	2/0 Sol. - 250	3-1/2	3/8	3-1/4
GD174C	1-1/2	1-5/8 - 1-7/8	8 Sol. - 4 Str.	4	3/8	3-1/4
GD1726	1-1/2	1-5/8 - 1-7/8	4 Sol. - 2/0 Str.	4	3/8	3-1/4
GD1729	1-1/2	1-5/8 - 1-7/8	2/0 Sol. - 250	4	3/8	3-1/4
GD1734	1-1/2	1-5/8 - 1-7/8	300 - 500	4-5/8	1/2	3-5/8
GD184C	2	2 - 2-3/8	8 Sol. - 4 Str.	4-3/8	3/8	3-3/4
GD1826	2	2 - 2-3/8	4 Sol. - 2/0 Str.	4-3/8	3/8	3-3/4
GD1829	2	2 - 2-3/8	2/0 Sol. - 250	4-3/8	3/8	3-3/4
GD1834	2	2 - 2-3/8	300 - 500	5-3/8	1/2	4-1/8
GD194C	2-1/2	2-1/2 - 2-7/8	8 Sol. - 4 Str.	5	3/8	4-1/4
GD1926	2-1/2	2-1/2 - 2-7/8	4 Sol. - 2/0 Str.	5	3/8	4-1/4
GD1929	2-1/2	2-1/2 - 2-7/8	2/0 Sol. - 250	5	3/8	4-1/4
GD1934	2-1/2	2-1/2 - 2-7/8	300 - 500	5	1/2	4-5/8
GD204C	3	3 - 3-1/2	8 Sol. - 4 Str.	5-5/8	3/8	4-7/8
GD2026	3	3 - 3-1/2	4 Sol. - 2/0 Str.	5-5/8	3/8	4-7/8
GD2029	3	3 - 3-1/2	2/0 Sol. - 250	5-5/8	3/8	4-7/8
GD2034	3	3 - 3-1/2	300 - 500	6-3/8	1/2	5-1/4
GD214C	3-1/2	3-1/2 - 4	8 Sol. - 4 Str.	6-1/4	3/8	5-3/8
GD2126	3-1/2	3-1/2 - 4	4 Sol. - 2/0 Str.	6-1/4	3/8	5-3/8
GD2129	3-1/2	3-1/2 - 4	2/0 Sol. - 250	6-1/4	3/8	5-3/8
GD2134	3-1/2	3-1/2 - 4	300 - 500	6-7/8	1/2	5-3/4
GD224C	4	4 - 4-1/2	8 Sol. - 4 Str.	6-3/8	3/8	5-7/8
GD2226	4	4 - 4-1/2	4 Sol. - 2/0 Str.	6-3/8	3/8	5-7/8
GD2229	4	4 - 4-1/2	2/0 Sol. - 250	6-3/8	3/8	5-7/8
GD2234	4	4 - 4-1/2	300 - 500	6-7/8	1/2	6-1/4

NOTE:

** Refer to Section O for tube dimensions.

Complies with NFPA 78-86 HEAVY DUTY stacks; use suffix "-LD" for lead plating for HEAVY DUTY stack applications

Two Copper Cables to Rod, Pipe, or Column, Type GP

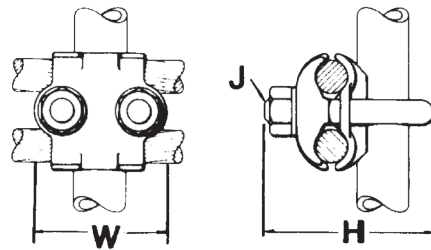
Type GP Two Copper Cables to Rod, Pipe or Column

High copper alloy ground connector for joining a range of two parallel cables perpendicular to rod, pipe or column. Also used with one groove for run, the other for tap to equipment. High copper alloy cast body and DURIMUM™ silicon bronze U-bolts, nuts, and lockwashers make Type GP connectors UL467 Listed and suitable for direct burial in the ground or concrete. One-wrench installation. UL467 Listed. Acceptable for direct burial in earth or concrete.



Features & Benefits

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets
- One-wrench installation



Catalog Number	Conductor			H	J	W
	Tube I.P.S. **	O.D. Size	Cable			
GP114C	1/4	1/2	8 Sol. - 4 Str.	2-1/2	3/8	1-7/8
GP1126	1/4	1/2	4 Sol. - 2/0 Str.	2-1/2	3/8	1-7/8
GP1129	1/4	1/2	2/0 Sol. - 250	2-1/2	3/8	1-7/8
GP644C	3/8	5/8 - 3/4	8 Sol. - 4 Str.	2-1/2	3/8	2-1/8
GP6426	3/8	5/8 - 3/4	4 Sol. - 2/0 Str.	2-1/2	3/8	2-1/8
GP6429	3/8	5/8 - 3/4	2/0 Sol. - 250	2-7/8	3/8	2-1/8
GP6434	3/8	5/8 - 3/4	300 - 500	3-1/2	1/2	2-5/9
GP144C	1/2-3/4	7/8 - 1	8 Sol. - 4 Str.	2-3/4	3/8	2-3/8
GP1426	1/2-3/4	7/8 - 1	4 Sol. - 2/0 Str.	3	3/8	2-3/8
GP1429	1/2-3/4	7/8 - 1	3/0 Sol. - 250	3	3/8	2-3/8
GP1434	1/2-3/4	7/8 - 1	300 - 500	3-3/4	1/2	2-5/8
GP154C	1	1-1/8 - 1-1/4	8 Sol. - 4 Str.	2-3/4	3/8	2-5/8
GP1526	1	1-1/8 - 1-1/4	4 Sol. - 2/0 Str.	3-1/4	3/8	2-5/8
GP164C	1-1/4	1-5/8	8 Sol. - 4 Str.	3-1/2	3/8	3
GP1629	1-1/4	1-5/8	2/0 Sol. - 250	3-1/2	3/8	3
GP1726	1-1/2	1-7/8	4 Sol. - 2/0 Str.	4	3/8	3-1/4
GP184C	2	2-3/8	8 Sol. - 4 Str.	4-1/8	3/8	3-11/16
GP1826	2	2-3/8	4 Sol. - 2/0 Str.	4-3/8	3/8	3-11/16
GP2026	3	3-1/2	4 Sol. - 2/0 Str.	5-1/2	3/8	4-13/16
GP2226	4	4-1/2	4 Sol. - 2/0 Str.	6-3/8	3/8	5-13/16

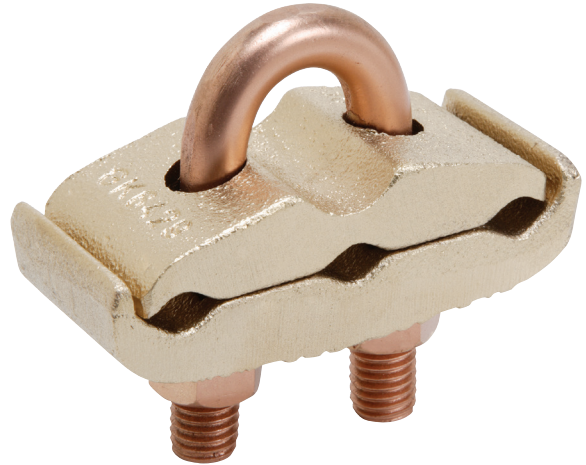
NOTE:

** Refer to Section O for tube dimensions.

Three Copper Cables to Rod or Pipe, Type GK Ground Connector

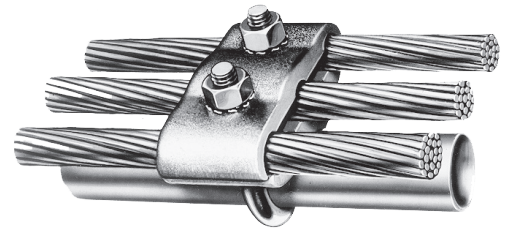
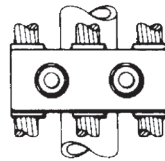
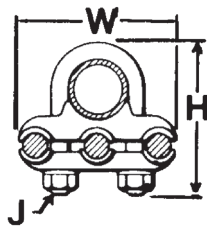
Type GK For Three Copper Cables to Rod or Pipe

High copper alloy ground connector for joining three equal cables to rod or tube. Cable grooves take a wide range of cable. High copper alloy cast body and DURIMUM™ silicon bronze U-bolts, nuts, and lockwashers make the GK suitable for direct burial in soil or concrete. One-wrench installation. UL467 Listed. Acceptable for direct burial in earth or concrete.



Features & Benefits

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets
- One-wrench installation



Catalog Number	Conductor			H	J	W
	Tube I.P.S. **	O.D. Size	Cable			
GK114C	1/4	1/2	8 Sol. - 4 Str.	2-1/2	3/8	2-1/2
GK1126	1/4	1/2	4 Sol. - 2/0 Str.	2-1/2	3/8	2-3/4
GK1129	1/4	1/2	2/0 Sol. - 250	2-1/2	1/2	3-3/8
GK644C	3/8	5/8 - 3/4	8 Sol. - 4 Str.	2-7/8	3/8	2-5/8
GK6426	3/8	5/8 - 3/4	4 Sol. - 2/0 Str.	2-7/8	3/8	3
GK6429	3/8	5/8 - 3/4	2/0 Sol. - 250	2-7/8	1/2	3-1/2
GK6434	3/8	5/8 - 3/4	300 - 500	3-1/2	1/2	4
GK1426	1/2 - 3/4	7/8 - 1	4 Sol. - 2/0 Str.	2-3/4	3/8	3-1/4
GK1429	1/2 - 3/4	7/8 - 1	2/0 Sol. - 250	3-3/4	1/2	3-7/8
GK1434	1/2 - 3/4	7/8 - 1	300 - 500	3-3/4	1/2	4-3/8
GK1526	1	1-1/8 - 1-1/4	4 Sol. - 2/0 Str.	3-3/8	3/8	3-1/2
GK1529	1	1-1/8 - 1-1/4	2/0 Sol. - 250	3-3/4	1/2	4-1/8
GK1626	1-1/4	1-3/8 - 1-1/2	4 Sol. - 2/0 Str.	3-1/2	3/8	3-7/8
GK1629	1-1/4	1-3/8 - 1-1/2	2/0 Sol. - 250	4-1/4	1/2	4-1/2
GK1726	1-1/2	1-5/8 - 1-7/8	4 Sol. - 2/0 Str.	4	3/8	4-1/8
GK1729	1-1/2	1-5/8 - 1-7/8	2/0 Sol. - 250	4-5/8	1/2	4-3/4
GK1826	2	2 - 2-3/8	4 Sol. - 2/0 Str.	4-1/4	3/8	4-5/8
GK1829	2	2 - 2-3/8	2/0 Sol. - 250	4-3/8	1/2	5-1/8
GK1926	2-1/2	2-1/2 - 2-7/8	4 Sol. - 2/0 Str.	5	3/8	5-1/8
GK1929	2-1/2	2-1/2 - 2-7/8	2/0 Sol. - 250	5	1/2	5-5/8

NOTE:

** Refer pages to Section-O for tube dimensions.

Ground Connector for Copper Bar, Strap, Braid, Cable to Rod or Tube

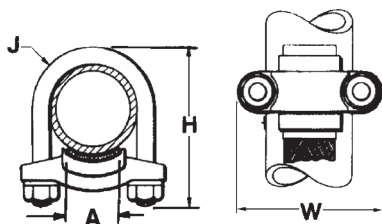
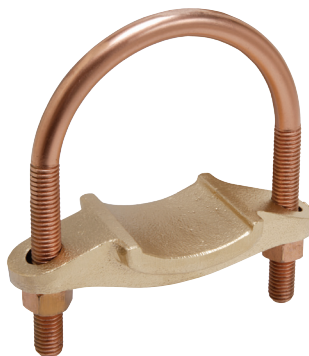
Type GG For Copper Bar, Strap, Braid, or Cable to Rod or Tube

High copper alloy ground connector for joining bar, strap, braid or cable to rod or tube. High copper alloy cast body, DURIMUM™ silicon bronze U-bolts, nuts and lockwashers make the GG particularly effective for use with braid for ground rods, switch handles, fence posts and gates.

Rated for Direct Burial in earth or concrete

UL467 Listed

One wrench installation



See our Braid offering also in this catalog section

Catalog Number	Conductor		A	H	J	W
	Tube I.P.S. **	Rod				
GG15-1	1	1-1/8 - 1-1/4	1	3-3/8	3/8	2-5/8
GG16-1	1-1/4	1-3/8 - 1-1/2		3		
GG17-1	1-1/2	1-5/8 - 1-7/8		3-1/2		3-1/4
GG17-15			1-1/2	3-3/4		
GG18-1	2	2 - 2-3/8	1	4-1/4	1/2	3-3/4
GG18-15			1-1/2	4-3/8		4-1/8
GG18-2			2	4-3/8		4-1/8
GG19-2	2-1/2	2-1/2 - 2-7/8	2	5	1/2	4-5/8
GG19-25			2-1/2	5-1/5		
GG20-2			2	5-1/4		
GG20-25	3	3 - 3-1/2	2-1/2	6-3/8	1/2	5-1/4
GG20-3			3	5-3/4		
GG21-2			2	5-7/8		5-3/4
GG21-25	3-1/2	3-1/2 - 4	2-1/2	6-1/2	1/2	6-1/4
GG21-3			3			
GG21-35			3-1/2			
GG22-2	4	4 - 4-1/2	2	7-5/8	1/2	7-1/4
GG22-25			2-1/2			
GG22-3			3			
GG22-4			4			
GG24-2	5	-	2	7-5/8	1/2	7-1/4

NOTE:

** Refer to Section O for tube dimensions.

Ground Connectors with Breakaway Nuts

Types GAR-BU, GAR-TC, GG, GB with Breakaway Nuts

Convenience and safety are important factors for projects. These grounding connectors with breakaway nuts create both a secure and easy way to install connectors.

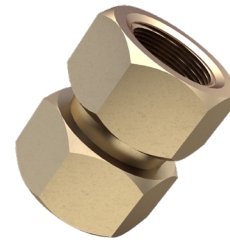
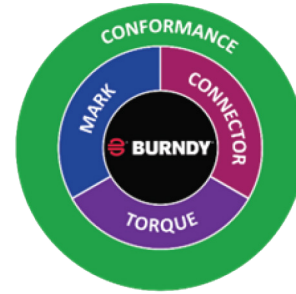
In areas with high foot traffic or where theft is an inherent issue, BURNDY® offers connectors with the Tamper Resistant Nut (-TR suffix). The TR Nut consists of a conical body and a standard hex nut connected by a shear section. The standard hex nut shears off when the torque exceeds the specified value. The conical body remains providing resistance to connector removal.

For ease of installation, the Double Torque Nut (-BA suffix) allows for repeatable installations without specialized tools. The BA Nuts consist of two standard hex nuts connected by a shear section. The upper hex nut shears off when the torque exceeds the specified value. The lower hex nut remains, allowing for connector removal.

Per NEC 110.14D, "shear bolts or breakaway-style devices" are an approved means to achieve specified torque values. As part of a torque compliance audit program all electrical fasteners should have a torque indicating mark after installation to provide evidence of proper installation and long term vibration secureness. Easy and simply hex tooling installation, no specialized tools required.

Features & Benefits

- TR suffixed connectors are tin-plated for further anti-theft protection and corrosion resistance
- Bronze breakaway nuts and silicon bronze bolts/washers for better conductivity and installation performance
- Suitable for Direct Burial
- Reach out to a Burndy Territory Manager for additional Burndy mechanical connectors with breakaway nuts



BA Suffix



TR Suffix

Breakaway Nuts	Description
Double Torque Nut (BA Suffix)	Consists of two standard hex nuts connected by a shear section. The upper hex nut shears off when the torque exceeds the specified value. The lower hex nut remains, allowing for connector removal.
Tamper Resistant Nut (TR Suffix)	Consists of a conical body and a standard hex nut connected by a shear section. The standard hex nut shears off when the torque exceeds the specified value. The conical body remains, providing resistance to connector removal.

Ground Connectors with Breakaway Nuts

Connectors with Breakaway Nuts (continued)

NOTES:

Refer to Main Catalog Page (Type GB, Type GAR-TC, Type GAR-BU, and Type GG) for additional offerings

Type GB

Ground connector for joining a range of cable to 1/4" thick bar or surface

Catalog Number	Description	Accommodates		
		Cable Range	Bar Thickness	Stud Size
GB26BA	GB26 Connector with Double Torque Nuts	4 AWG-2/0 AWG	up to 1/4"	3/8"
GB26TR	GB26 Connector with Tamper Resistant Nuts			

Type GAR-TC

Ground connector that features a predrilled pad allowing a 2-hole compression terminal to be directly connected to water pipe, tube, post and reinforcing rod shapes

Catalog Number	Description	Accommodates			
		IPS	O.D. Size	Lug Pad	Max. Conductor Size
GAR3903TCBA	GAR3903TC Connector with Double Torque Nuts	1-1/4" - 2"	1.66 - 2.38	2-hole lug - 3/8" bolts on 1" centers	Up to 750 kcmil
GAR3903TCTR	GAR3903TC Connector with Tamper Resistant Nuts				
GAR3904TCBA	GAR3904TC Connector with Double Torque Nuts	2-1/2" - 3-1/2"	2.88 - 4.00		
GAR3904TCTR	GAR3904TC Connector with Tamper Resistant Nuts				

Type GAR-BU

Ground connector for connecting a copper ground conductor to water pipe, tube, post and reinforcing rod shapes

Catalog Number	Description	Accommodates		
		Cable Range	IPS	O.D. Size
GAR3903BUBA	GAR3903BU Connector with Double Torque Nuts	#4 - 4/0 AWG	1-1/4" - 2"	1.66 - 2.38
GAR3903BUTR	GAR3903BU Connector with Tamper Resistant Nuts			
GAR3904BUBA	GAR3904BU Connector with Double Torque Nuts	#4 - 4/0 AWG	2-1/2" - 3-1/2"	2.88 - 4.00
GAR3904BUTR	GAR3904BU Connector with Tamper Resistant Nuts			
GAR3905BUBA	GAR3905BU Connector with Double Torque Nuts	#4 - 4/0 AWG	4" - 5"	4.50 - 5.56
GAR3905BUTR	GAR3905BU Connector with Tamper Resistant Nuts			

Type GG**

Ground connector for joining bar, strap, braid or cable to water pipe, tube, post and reinforcing rod shapes

Catalog Number	Description	Accommodates		
		IPS	O.D. Size	Braid Width
GG171BA	GG171 Connector with Double Torque Nuts	1-1/2"	1-5/8" - 1-7/8"	1"
GG171TR	GG171 Connector with Tamper Resistant Nuts			
GG181BA	GG181 Connector with Double Torque Nuts	2"	2" - 2-3/8"	1"
GG181TR	GG181 Connector with Tamper Resistant Nuts			

SUPER-CLAMP™, Raised Floor / Rebar / Fence Post Ground Connector

Type GXP1828RF SUPER-CLAMP™

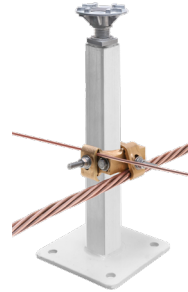
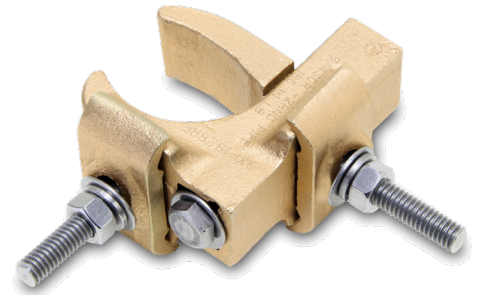
Raised Floor / Rebar / Fence Post Ground Connector

Raised Floor Pedestal / Rebar / Fence Post Ground Connector. The GXP1828RF is a versatile, easy to install, range taking ground connector. This grounding clamp accepts a wide range of pedestals and conductors. Accepted pedestal / fence post range is 3/4" through 2" (7/8" - 2" round; 3/4" - 1-1/2" square). The wire range is #6 solid to 4/0 stranded. The wires can be arranged in a parallel or cross grid configuration - accepts 1 or 2 wires.

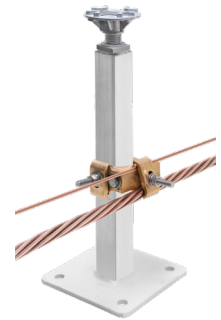
The high copper alloy body ensures excellent conductivity and the hardware is made of stainless steel. The connector is rated for Direct Burial in earth or concrete and UL467 Listed for the US and Canadian Markets. The versatility of the connector makes it an excellent choice for applications requiring multiple conductor sizes and/or configurations.

Features & Benefits

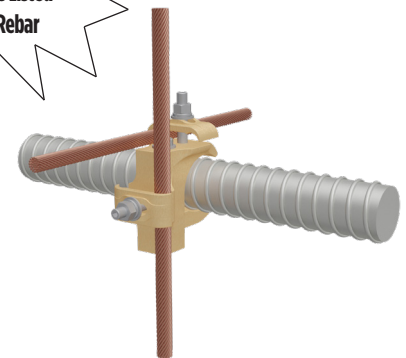
- Fits a wide range of raised floor pedestals / fence posts, from 3/4" to 2" (7/8" to 2" round; 3/4" to 1-1/2" square)
- Accepts a wide range of wire sizes, #6 solid to 4/0 stranded
- Can be used for rebar sizes ranged from #7 to #12 size (7/8" to 1-1/2" dia.)
- Accommodates parallel wires or cross grid arrangements; wires can be installed in cross grid configuration
- Accepts one or two wires in any configuration
- Easy to install open design eliminates the need to disassemble before installing
- One socket size fits all hardware (1/2" socket size)
- Made of high copper alloy with stainless steel hardware
- UL467 Listed for the US and Canadian Markets
- Rated for Direct Burial in earth or concrete



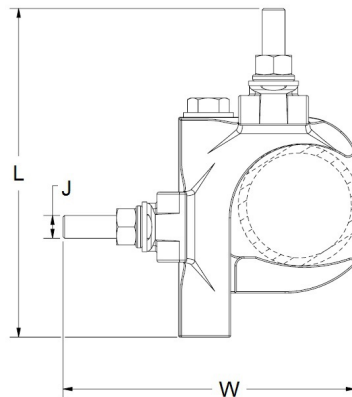
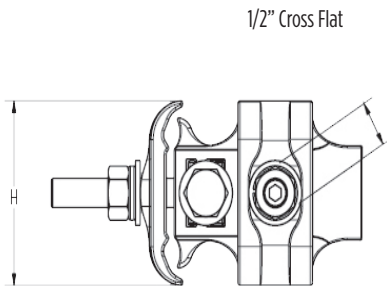
Cross Grid Configuration



Parallel Configuration



Rebar Connection



Catalog Number	Copper Conductor Range (Concentric & Compact Stranded 19 Str. Max)	Pedestal / Fence Post Range	Rebar	Reference Dimensions				Recommended Tightening Torque (in.-lb.)	
				L	W	H	J	Conductor Saddle (Nut)	Pedestal Clamp or Rebar (Bolt)
GXP1828RF	6 AWG - 4/0 AWG	Round: 7/8" - 2" Square: 3/4" - 1-1/2"	Rebar Size: 7/8" - 1-1/2" (#7 - #12)	4.53	3.94	1.96	5/16	120	180

UNIGROUND™ Type GRF Raised Floor Grounding Connector

Type GRF UNIGROUND™

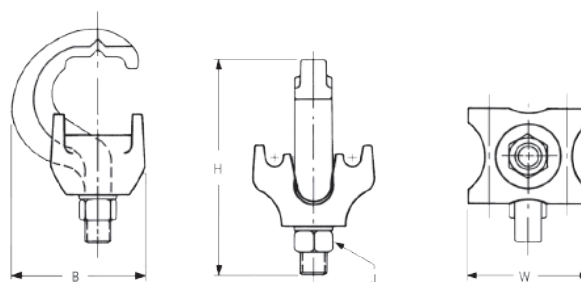
Raised Floor Grounding Connector

The BURNDY® UNIGROUND™ is a universal grounding clamp, specifically designed for all raised flooring systems. It can be installed on round or square pedestals and can accommodate one or two grounding wires to make an efficient grid. The underfloor signal reference grid provides the low impedance ground path that attenuates high frequency static and 60 Hz transient noise for cleaner data output. UL467 Listed.

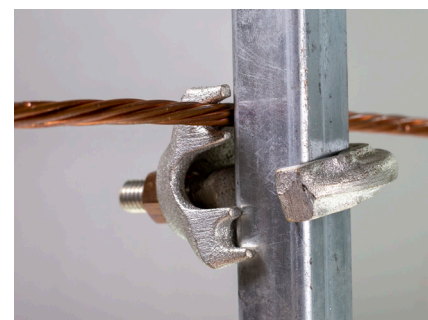
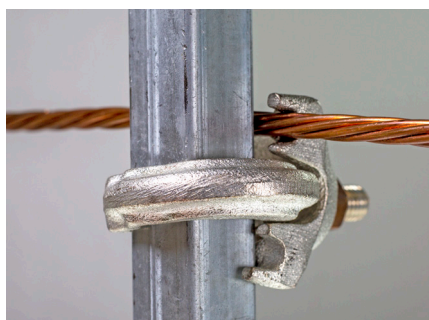


Features & Benefits

- One connector fits all applications
- Ease of specification and installation
- Single bolt design with no need to disassemble
- Single wrench installation
- Accepts 1 or 2 ground conductors
- Requires less connectors to install signal reference grid
- Tin plated cast bronze construction
- Resists corrosion and provides extended life ground connection
- Grounds all pedestals (round or square); will accept up to 7/8" square and up to 1" round
- Serves 3 needs: Signal Reference Grid, Static Ground, and Fault Current Ground
- UNIGROUND™ connector will solve all grounding problems found in computer applications today
- UL467 Listed for the US and Canadian Markets



Catalog Number	Number of Conductors	Conductor Size Sol. & Str.	Pedestal Type		B	H	J	W
			Round	Square				
GRF4C-3	1 or 2	#8 - #2	Up to 1"	Up to 7/8"	1.96	3.14	3/8	1.76
GRF4C-4	1 or 2	#8 - #2	Up to 3/4"	Up to 5/8"	1.79	3.13	3/8	1.40



Types GP-G1, GP-RT Raised Floor Grounding Clamps

Types GP-G1, GP-RT

Raised Floor Grounding Clamps

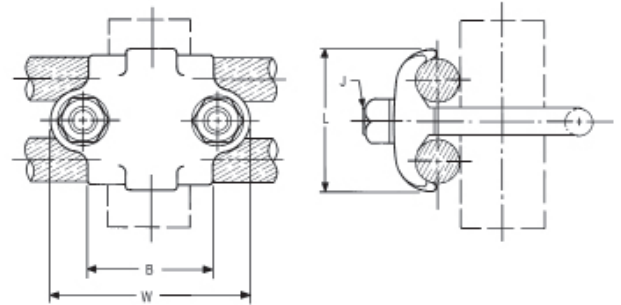
High copper alloy ground connector for raised floor computer grounding applications. These connectors can be installed on round and square pedestal applications and will accommodate one or two grounding wires to make an efficient grid. The underfloor signal reference grid provides the low impedance ground path that attenuates high frequency static and 60 Hz transient noise for cleaner data output. UL467 Listed.

In addition we offer the GP1726RT, which is specifically designed for penetrating epoxy paint on pedestals. This patented connector offers a low impedance, time saving connection between conductors and the pedestal.



Features & Benefits

- Accepts 1 or 2 ground conductors
- Requires less connectors to install signal reference grid
- Made of copper alloy
- DURUM™ Silicon Bronze U-Bolts, nuts and lockwashers
- Provides a low impedance ground path for maximum performance
- Grounds all pedestals (round or square)
- Accepts from 3/4" to 1" round or square
- Ease of installation
- Serves 3 needs: Signal Reference Grid, Static Ground, and Fault Current Ground
- Connectors solve all possible grounding problems found in computer applications today
- UL467 Listed for the US and Canadian Markets



Catalog Number	Number of Conductors	Conductor Size Sol. & Str.	Pedestal Size/Type	B	J	L	W
GP654CG1	1 or 2	#8 Sol. - 4 Str.	3/4" - 1" Round 3/4" - 7/8" Square	1.50	3/8	1.31	2.38
GP64526G1	1 or 2	#4 Sol. - 2/0 Str.		1.50	3/8	1.69	2.38
GP64528G1	1 or 2	#4 Sol. - 4/0 Str.		1.50	3/8	1.69	2.38
GP1526G1	1 or 2	#4 Sol. - 2/0 Str.	1-1/4" Round	1.75	3/8	1.69	2.62
GP1726RT	1 or 2	#6 Sol. - 2/0 Str.	2" Round	2.12	3/8	1.50	3.22
GP1726G1	1 or 2	#6 Sol. - 2/0 Str.	2" Round	2.12	3/8	1.50	3.22

Fence Fabric Ground Clamps, Type FFGC

Type FFGC Fence Fabric Ground Clamps

Fence grounding systems are designed to provide protection against dangerous “touch” potentials. The Fence Fabric Ground Clamp is an integral component of this personnel safety system.

With its unique design the clamp can form a connection at virtually any angle. Specific uses include connection to both fence fabric and barbed wire. The conductor maintains a path to ground while connected to an object that is parallel, perpendicular or any degree in between.

Tin plated copper clamp includes stainless steel hardware and allows for use on most metallic surfaces including galvanized steel. Other sizes available; please contact factory for information.

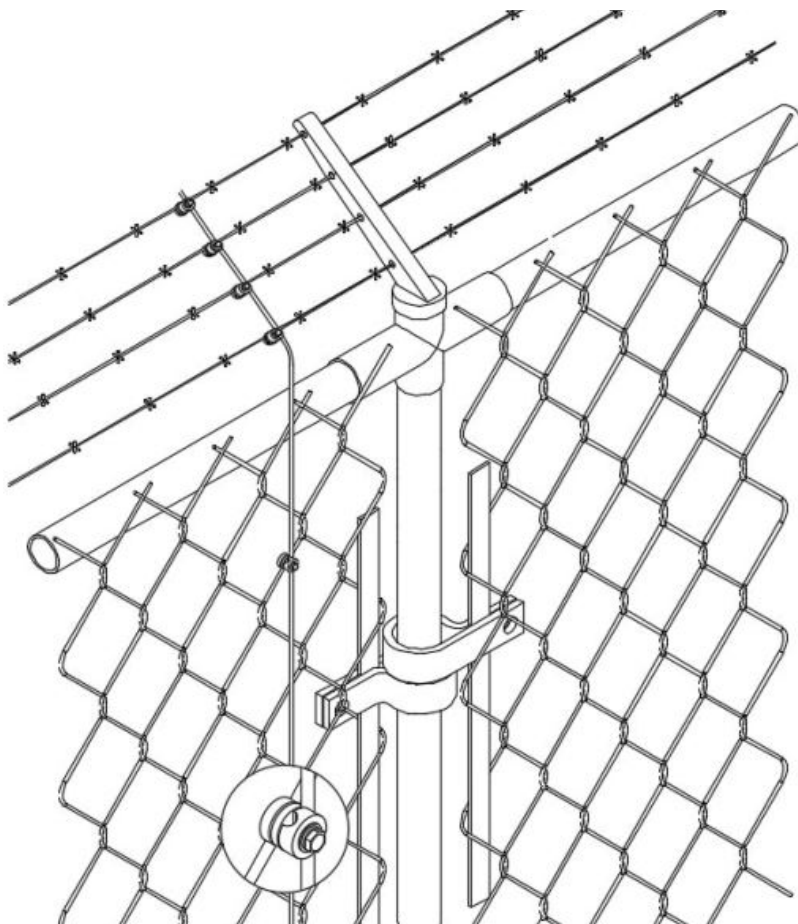
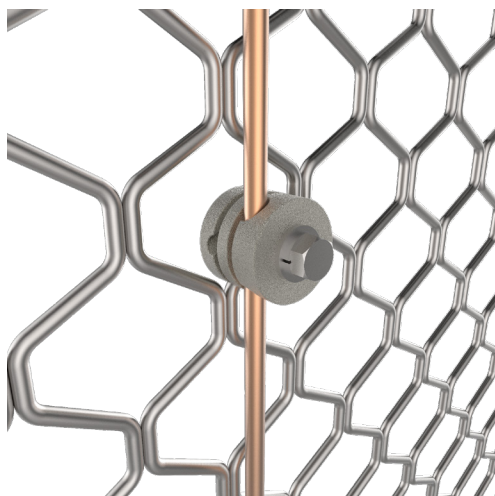


Catalog Number	Conductor Size	Recommended Torque (in-lb)
FFGC8	#8	67
FFGC6	#6	67
FFGC4	#4	67
FFGC2 ①	#2	67
FFGC2/0	2/0	67

① Qualified to IEEE837-2014

Features & Benefits

- Clamp can form connections at virtually any angle
- Tin plated copper clamp includes stainless steel hardware
- For use with most metallic surfaces including galvanized steel
- Conductor maintains path to ground while connected to object that is parallel, perpendicular, or any degree in between
- UL467 Listed for the US and Canadian Markets
- Select connectors qualified to IEEE-837-2014



Copper Cable to “H” Beam or Square Fence Post

Type GA-H For Copper Cable to “H” Beam or Square Fence Post

High copper alloy ground connector for joining a wide range of cable parallel to “H” beams or square tube. Hardware is made from DURIMUM™ silicon bronze for superior corrosion protection.

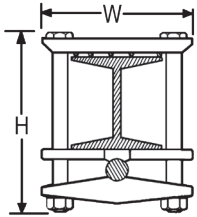


Figure 1

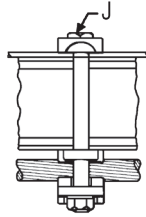
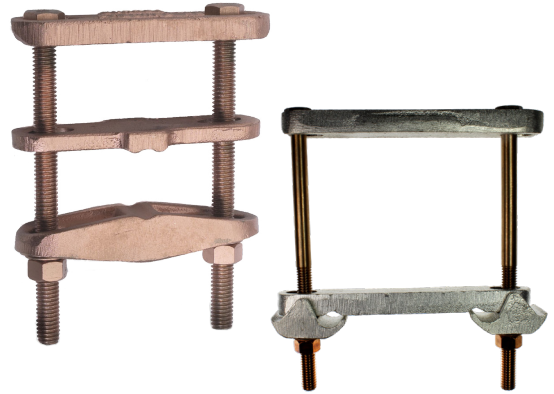
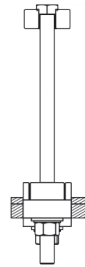
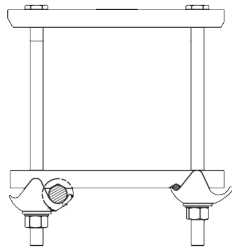


Figure 2



Catalog Number	Figure	Accommodates		H	J	W	Recommended Torque in-lb
		“H” Beam	Copper Conductor				
GA25H26	1	1-7/8" - 2-1/2" X 2-1/2"	4 Sol. - 2/0 Str.	4-3/4	3/8	4	240
GA25H29	1	1-7/8" - 2-1/2" X 2-1/2"	2/0 Sol. - 250 kcmil	4-3/4	3/8	4	240

NOTE: Contact factory for tin plated options

Catalog Number	Figure	Accommodates			H	J	W	Recommended Torque in-lb
		Square Fence Post	Copper Conductor					
			Small Clamp	Large Clamp				
GA400H294CTN	2	4"	6 Sol. (.162) - 4 Str. (.232)	1/0 Sol (.324) - 4/0 Str. (.528)	6.75 (171)	3/8	6.06 (154)	150

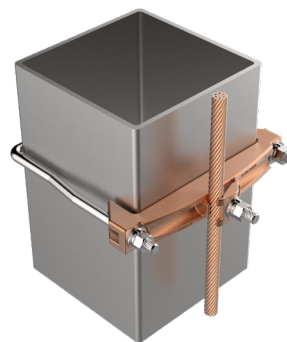


Type GA-H30SS for Copper Cable to Square Fence Post

High copper alloy ground clamp for joining copper cable (#4 AWG - 300 kcmil) to square fence posts. Stainless steel hardware for superior corrosion resistance.

Features & Benefits

- Robust design for 6" and 8" square fence posts
- Tapered bolt design enhances connection to post
- Stainless steel hardware
- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets



Catalog Number	Accommodates		H	Hardware size	W	Recommended Torque in-lb
	Square Fence Post	Copper Conductor				
GA600H30SS	6"	#4 AWG - 300 kcmil	9.38	1/2"	8.38	480 in-lb
GA800H30SS	8"		11.38	1/2"	10.38	480 in-lb

Festoon Grounding System Kits, Variety of lengths available

Festoon Grounding Systems Kits

Includes C-Rail, Coupler Hangers, Tow and Intermediate Trolleys, End Stop, Mounting Clamps

Festoon Grounding Systems include the tracks, hardware, axles, and wheels needed to create a quality, “active” grounding system designed to stand the tests of time. Festoon systems elevate the conductor providing protection from pinch points as well as a theft deterrent.

BURNDY festoon systems are offered in a variety of lengths. Kits include the C-Rail, Coupler Hangers, Tow and Intermediate Trolleys, End Stop, and Mounting Clamps. Grounding cable and connectors are not included.

Features & Benefits

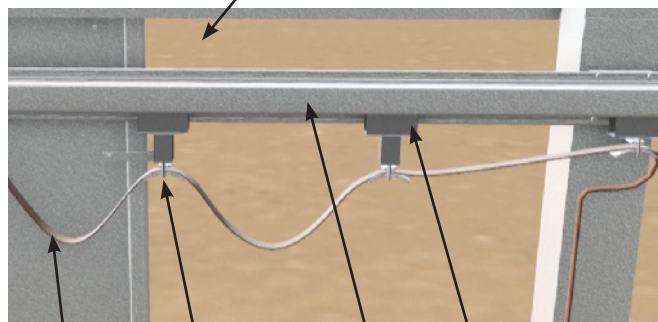
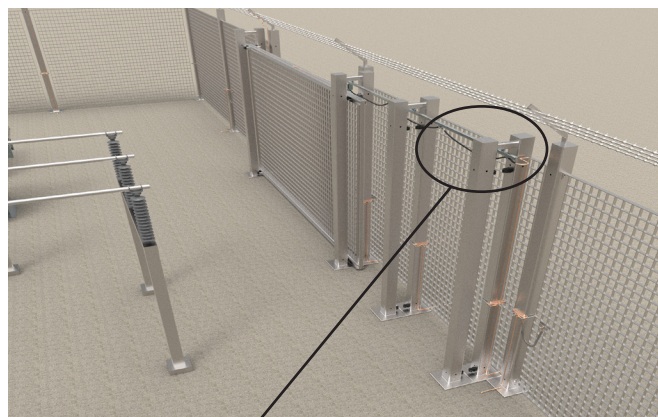
- Galvanized steel C-Rail for durability
- Sealed ball bearings in zinc-plated steel wheels are pre-lubricated for life offering consistent smooth operation
- Tow trolley protects conductor from pinch points
- Cable saddle helps keep conductor in line with track (ensure the cable size in use is accommodated by saddle)
- Festoon system keeps conductor elevated and out of easy reach from potential thieves

Specifications:

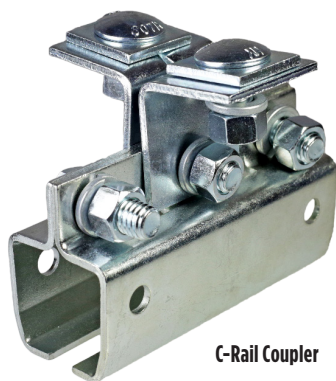
Wheels	Zinc-plated steel; smooth running ball bearing
Axles	Zinc-plated steel
C-Rail Track	Roll-formed galvanized steel
Hardware	Zinc-plated steel
Active Travel	Up to 25 ft (7.62m)*
Trolley Loads	Up to 45 lbs/trolley (20.25kg)**
Speed	Up to 250 fpm (75mpm)

*Additional kits are available for longer travel, contact customer service.

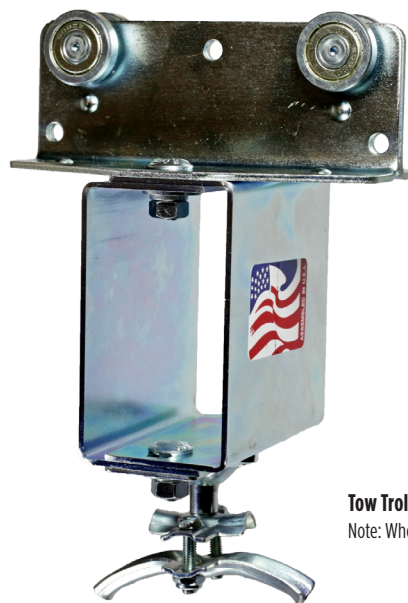
**Designed for cable loads only.



Cable (not included) Cable Saddle C-Rail Track Trolley



C-Rail Coupler



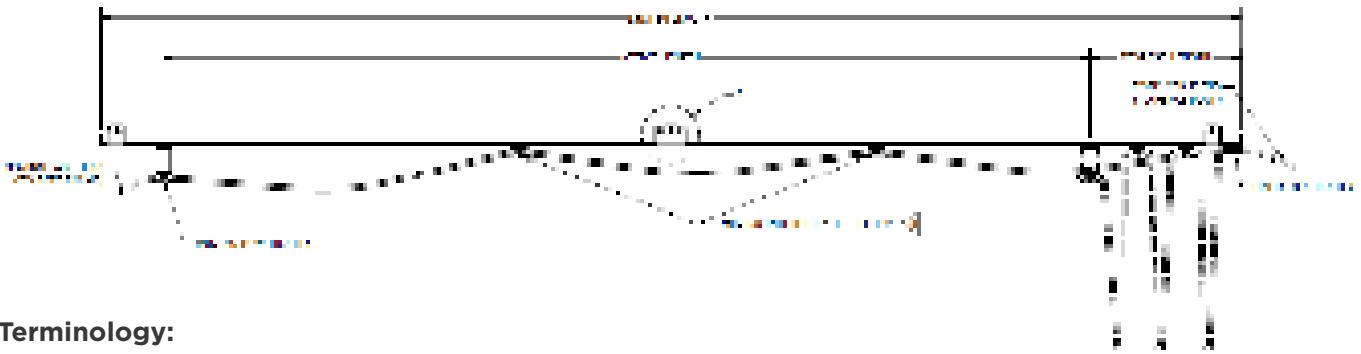
Tow Trolley Close-Up

Note: Wheels on trolleys fit inside C-Rail

Festoon Grounding System Kits Variety of lengths available

Festoon Grounding System (Continued)

Catalog Number	Length				Trolley Count (Count only included intermediate trolleys)	Rails (Qty / Length)	Coupler Hanger (Qty)
	Active	Storage	System	Cable (not included)			
BCR02302	10'-10"	1'-4"	12'-8"	17'	2	2 / 6'	3
BCR03302	14'-6"	1'-7"	16'-7"	22'	3	3 / 6'	4
BCR04302	18'-2"	1'-11"	20'-6"	27'	4	4 / 6'	5
BCR05302	21'-9"	2'-2"	24'-4"	33'	5	5 / 6'	6
BCR06302	25'-5"	2'-5"	28'-3"	38'	6	5 / 6'	6
BCR07302	29'-0"	2'-8"	32'-2"	43'	7	6 / 6'	7
BCR10302	39'-11"	4'-6"	43'-11"	59'	10	10 / 6'	13



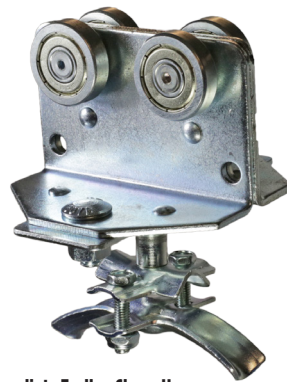
Terminology:

Active Length	maximum distance the first trolley moves from fully stored position to fully extended
System Length	equal to total rail length
Storage Length	minimum distance required to store trolleys when fully retracted (gate open)
Coupler	joins and aligns two sections of C-Rail together
End Stop	prevents trolley from over travelling in C-Rail track



Cable Saddle Close-Up

Note: When choosing your kit, ensure the cable size is accommodated by the saddle



Intermediate Trolley Close-Up



Wheel Close-Up

Note: Sealed ball bearings are pre-lubricated for life for smooth operation and longevity

Ground Connector Cable to Tube; Ground Connector Cables

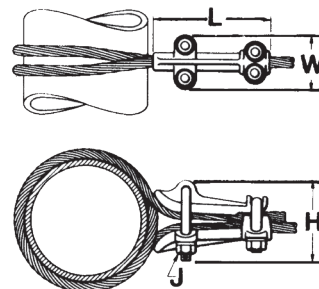
Type GQ Ground Connector for Copper Cable to Tube

High copper alloy ground connector for cross connecting a wide range of cable. High copper alloy, cast body, DURIMUM™ U-bolts, nuts, and lockwashers make the GQ suitable for burial in earth or concrete.

Rated for Direct Burial in earth or concrete

UL467 Listed for the US and Canadian Markets

One wrench installation



Catalog Number	Conductor		H	J	L	W
	I.P.S.	Cable				
GQ2626	6" Max.	4 Str. - 2/0 Str.	4-1/2	1/2	5	2-1/2
GQ26-1	Above 6"	4 Str. - 2/0 Str.	7-1/8	1/2	5	2-1/2
GQ2929	6" Max.	2/0 Str. - 250	4-1/8	1/2	6	2-3/4
GQ29-1	Above 6"	2/0 Str. - 250	7-1/2	1/2	6	2-3/4

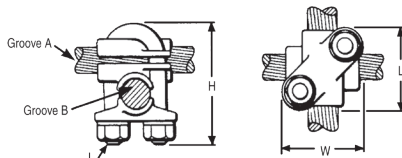
Type GX Ground Connector for Copper Cables

High copper alloy ground connector for cross connecting a wide range of cable. The high copper alloy cast body, DURIMUM™ U-bolts, nuts, and lockwashers make the GX suitable for burial in earth or concrete.

Rated for Direct Burial in earth or concrete

UL467 Listed

One wrench installation



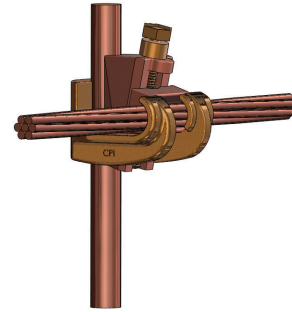
Catalog Number	Conductor		H	J	L	W
	Groove A	Groove B				
GX4C4C	8 Sol. - 4 Str.	8 Sol. - 4 Str.	1-7/8	3/8	1-5/8	1-5/8
GX264C	4 Sol. - 2/0 Str.	8 Sol. - 4 Str.	2-1/2	3/8	1-3/4	1-2/3
GX2626	4 Sol. - 2/0 Str.	4 Sol. - 2/0 Str.	2-1/2	3/8	1-3/4	1-2/3
GX294C	2/0 Sol. - 250	8 Sol. - 4 Str.	2-3/4	3/8	1-7/8	1-7/8
GX2926	2/0 Sol. - 250	4 Sol. - 2/0 Str.	2-1/2	3/8	1-7/8	1-7/8
GX2929	2/0 Sol. - 250	2/0 Sol. - 250	2-3/4	3/8	1-7/8	1-7/8
GX344C	300 - 500	8 Sol. - 4 Str.	2-3/4	3/8	2-1/8	1-7/8
GX3426	300 - 500	4 Sol. - 2/0 Str.	2-3/4	3/8	2-1/8	1-7/8
GX3429	300 - 500	2/0 Sol. - 250	2-3/4	3/8	2-1/8	1-7/8
GX3434	300 - 500	300 - 500	4-1/4	1/2	2-5/8	2-5/8

CPI™ Connector Products Ground Grid Connectors

CPI™ Ground Grid Connectors

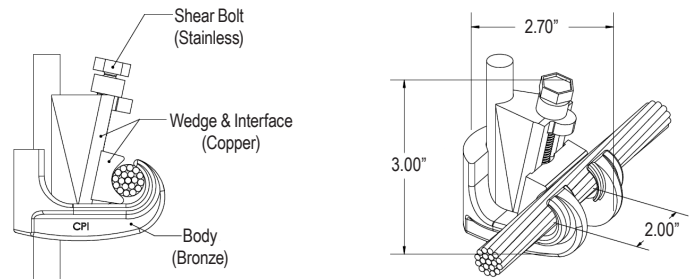
**Accommodates .232" - .681" Diameter Range
(Vertical) .184" - .575" Diameter Range
(Horizontal)**

CPI Ground Grid Connectors are a safe, fast, and dependable method of making permanent wire-to-wire and wire-to-rod connections for a variety of grounding applications. Using a special shear-head bolt to drive a wedge into the connector activates the connector. When the proper torque and spring tension is achieved, the bolt head shears off, giving the installer a positive indication of an optimum connection.



Features & Benefits

- No special molds, chemicals, tools, dies or fired-on charges necessary for installation; installed with a common socket, impact or ratchet wrench
- No temperature or weather restrictions for installation; can be installed no matter what environment exists at the job site
- Shear-head bolt ensures consistency of application and positive verification of a completed connection
- Typical applications:
 - Substation ground grids
 - Pole grounds transmission line grounding
 - Industrial/Residential service grounds
 - Pad Mount Transformers
 - Telco distribution / CATV grounds
 - Wind Farms



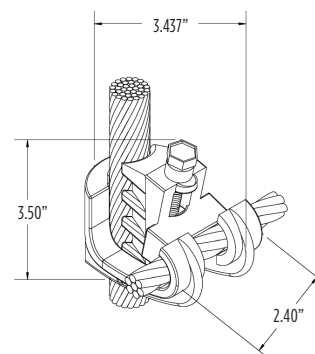
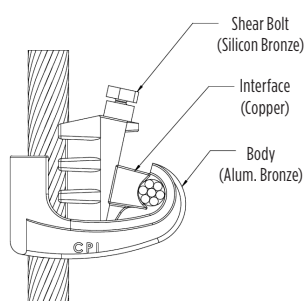
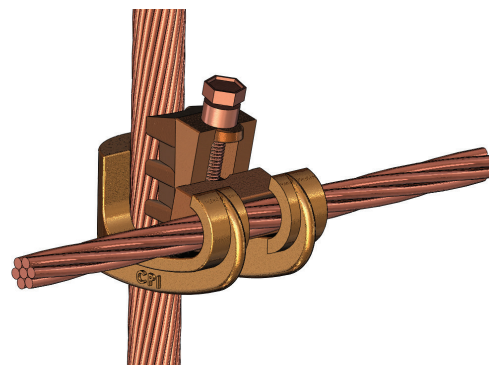
Catalog Number	Conductor			
	Vertical	Vertical Dia. Range	Horizontal	Horizontal Dia. Range
900100	350 kcmil - 3/4" Rod 300 kcmil	.681" - .680" .630"	250 kcmil - 5/8" Rod 4/0 Str	.575" - .556" .522"
	250 kcmil	.575"	250 kcmil	.575"
900101	250 kcmil - 4/0 Str	.575" - .522"	250 kcmil - 5/8" Rod 4/0 Str	.575" - .556" .522"
	250 kcmil	.575"	1/2" Rod	.368"
900102	250 kcmil - 5/8" Rod 4/0 Str	.575" - .556" .522"	2/0 kcmil - 1/0 Str	.419" - .368"
	1/2" Rod	.472"		.368"
900103	2/0 Str - 1/0 Str 4/0 Str	.419" - .368"	2/0 Str - 1/0 Str	.419" - .368"
	5/8" Rod - 1/2" Rod 4/0 Str	.556" - .472" .522"	#2 Str	.292"
900104	250 kcmil - 4/0 Str #1 Str	.575" - .522" .328"	#4 Str - #6 Str #1 Str	.232" - .184" .328"
900105	#4 Str - #2 Str	.232" - .282"	#4 Str - #2 Str	.232" - .282"

CPI™ Connector Products Ground Grid Connectors

CPI™ Ground Grid Connectors

Accommodates .679" - .813" Diameter Range (Vertical) .368" - .813" Diameter Range (Horizontal)

CPI Ground Grid Connectors are a safe, fast, and dependable method of making permanent wire-to-wire and wire-to-rod connections for a variety of grounding applications. Using a special shear-head bolt to drive a wedge into the connector activates the connector. When the proper torque and spring tension is achieved, the bolt head shears off, giving the installer a positive indication of an optimum connection.



Features & Benefits

- No special molds, chemicals, tools, dies or fired-on charges necessary for installation; installed with a common socket, impact or ratchet wrench
- No temperature or weather restrictions for installation; can be installed no matter what environment exists at the job site
- Shear-head bolt ensures consistency of application and positive verification of a completed connection
- Typical applications:
 - Substation ground grids
 - Pole grounds transmission line grounding
 - Industrial/Residential service grounds
 - Pad Mount Transformers
 - Telco distribution / CATV grounds
 - Wind Farms

Catalog Number	Conductor			
	Vertical	Vertical Dia. Range	Horizontal	Horizontal Dia. Range
900200	500 kcmil, 450 kcmil	.813", .769"	500 kcmil, 450 kcmil	.813", .769"
	500 kcmil	.813"	400 kcmil	.726"
900201	500 kcmil, 450 kcmil	.813", .769"	350 kcmil, 300 kcmil, 3/4 Rod	.679", .629", .680"
	450 kcmil, 400 kcmil	.769", .726"	400 kcmil	.726"
900202	500 kcmil, 450 kcmil	.813", .769"	250 kcmil, 5/8" Rod, 4/0 Str	.574", .556", .522"
	350 kcmil	.679"	350 kcmil, 300 kcmil, 3/4 Rod	.679", .629", .680"
	400 kcmil	.726"	250 kcmil, 5/8" Rod	.574", .556"
900203	500 kcmil, 450 kcmil	.813", .769"	1/0 Str, 2/0 Str	.368", .419"

Cast Bronze Clamps for Conduit, Water Pipe, Copper Tube

Type C-JPT Cast Bronze Clamps for Conduit

Pressure bar type conduit hub adjusts for 1/2", 3/4" EMT, or 1/2" rigid conduit. Hub swings 360° for easy alignment. Supplied with Zinc plated hardware.

UL467 Listed for the US and Canadian Markets



Catalog Number	Accommodates Conductor Range			Reference Dimensions			Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Ground	Hub Size	H	L	W	Pipe Clamp	Wire Clamp
C-11JPT	1/2 - 1 [13 - 25]	10 - 6 Sol.	1/2 [13]	2.07 in [53]	3.19 [81]	2.70 in [69]	50 in.-lb.	50 in.-lb.
C-22JPT	1-1/4 - 2 [32 - 51]	10 - 6 Sol.	1/2 [13]	2.70 in [69]	3.83 [97]	2.70 in [69]	50 in.-lb.	50 in.-lb.
C-4JPT	2-1/2 - 4 [64 - 102]	10 - 6 Sol.	1/2 [13]	4.39 in [112]	5.15 [131]	2.70 in [69]	50 in.-lb.	50 in.-lb.

Type C-; Cast Bronze Clamps for Ground Conductor to Water Pipe or Copper Tube

For connecting grounding conductor to water pipe or copper tube. "D" indicates UL467 Listed for direct burial in earth and concrete and are supplied with silicon bronze hardware. "B" indicates brass hardware.

Rated for Direct Burial in earth or concrete

UL467 Listed for the US and Canadian Markets



Catalog Number	Accommodates Conductor Range			Reference Dimensions				Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Rebar	Ground	H	L	W	C	Pipe Clamp	Wire Clamp
C-11N	1/2 - 1 [13 - 25]	—	10 - 2 Str.	1.81 in [46]	2.25 [56]	0.63 in [16]	0.63 in [16]	50 in.-lb.	50 in.-lb.
C-11D†	1/2 - 1 [13 - 25]	#4 - #8	10 - 2 Str.	1.81 in [46]	2.25 [56]	0.63 in [16]	0.63 in [16]	50 in.-lb.	50 in.-lb.
C-11B	1/2 - 1 [13 - 25]	—	10 - 2 Str.	1.81 in [46]	2.25 [56]	0.63 in [16]	0.63 in [16]	50 in.-lb.	50 in.-lb.
C-22*	1-1/4 - 2 [32 - 51]	—	10 - 2 Str.	2.38 in [60]	3.63 [92]	0.75 in [0.19]	1.00 in [25]	50 in.-lb.	50 in.-lb.
C-22D†	1-1/4 - 2 [32 - 51]	—	10 - 2 Str.	2.38 in [60]	3.63 [92]	0.75 in [0.19]	1.00 in [25]	50 in.-lb.	50 in.-lb.
C-4*	2-1/2 - 4 [46 - 114]	—	10 - 2 Str.	4.13 in [105]	6.25 [159]	0.96 in [24]	1.88 in [48]	50 in.-lb.	50 in.-lb.
C-4D†	2-1/2 - 4 [46 - 114]	—	10 - 2 Str.	4.13 in [105]	6.25 [159]	0.96 in [24]	1.88 in [48]	50 in.-lb.	50 in.-lb.
C-8*	4-1/2 - 6 [114 - 165]	—	10 - 2 Str.	4.29 in [109]	8.34 [212]	1.25 in [32]	1.88 in [48]	50 in.-lb.	50 in.-lb.

* Supplied with zinc-plated steel hardware.

† Add -TN for Tin Plated connector.

Cast Bronze Clamps; for Water Pipe; Lay-In Feature; Die Cast

Type C5; Light Duty Cast Bronze Clamps for 1/2 - 1" Water Pipe

Similar to C-11 clamp but for lighter duty applications.

UL467 Listed for the US and Canadian Markets



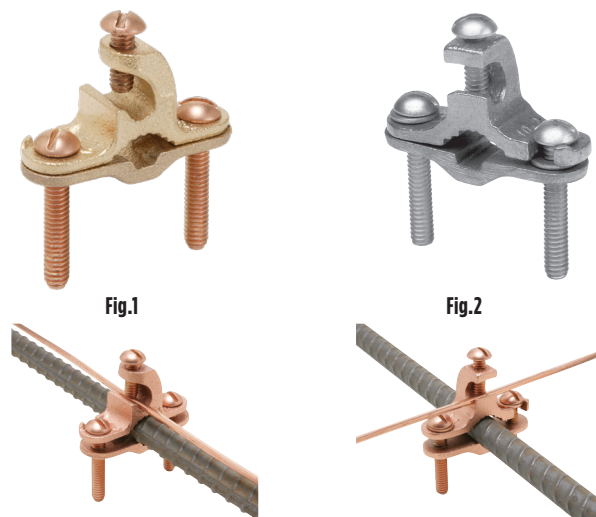
Catalog Number	Accommodates Conductor Range		Reference Dimensions			Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Ground	H	L	W	Pipe Clamp	Wire Clamp
C-5	1/2 - 1 [13-25]	10 - 2 Str.	1.56 in [40]	2.25 [56]	0.56 in [14]	50 in.-lb.	50 in.-lb.

Type C-K-D Cast Bronze Clamps with Lay-In Feature

For connecting grounding conductor to water pipe, copper tube, ground rod or rebar. The open face design allows for fast lay-in of the tap conductor without the need for cutting. Simply reverse bottom clamp for smaller size rebar or rod. Connectors are provided with Silicon Bronze hardware.

Rated for Direct Burial in earth or concrete

UL467 Listed for the US and Canadian Markets



Catalog Number	Fig. #	Accommodates Conductor Range				Reference Dimensions			Recommended Screw Torque (Inch Pounds)
		Main		Tap		H	L	W	
		Water Pipe	Rebar	Ground Rod	Ground				
C11K16D	1	1/2" - 1" [13-25]	#4 - #6	3/8" - 1"	#10 - #2 Str.	1.64	2.28	0.66	50 in.-lbs.
C11K17D	2	1/2" - 1" [13-25]	#4 - #6	3/8" - 1"	#10 - #2 Str.	1.64	2.28	0.66	50 in.-lbs.

Type CZ Die Cast Clamps

Die cast zinc with zinc-plated screws.

UL467 Listed for the US and Canadian Markets



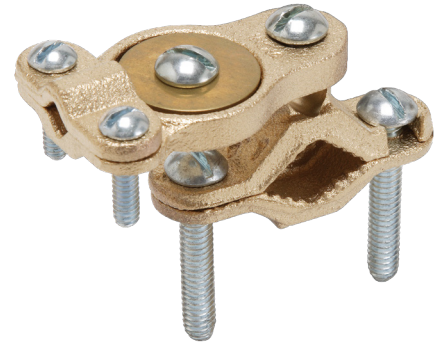
Catalog Number	Accommodates Conductor Range		Reference Dimensions				Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Ground	H	L	W	C	Pipe Clamp	Wire Clamp
CZ-11	1/2" - 1" [13-25]	10 - 2 Str.	1.56" [40]	2.25" [56]	0.56" [14]	0.50" [13]	50 in.-lb.	50 in.-lb.

Cast Bronze Clamps for Conduit, Water Pipe, Copper Tube

Type C-JA Cast Bronze Clamps for Armored Cable to Water Pipe

To connect armored cable to water pipe. Zinc plated screws. Pressure bar grips armor or outer cable insulation. 360° swing hub for easy alignment.

UL467 Listed for the US and Canadian Markets



Catalog Number	Accommodates Conductor Range		Reference Dimensions			Recommended Torque	
	Water Pipe	Armored Conductor	H	L	W	Pipe Clamp	Wire Clamp
C-11JA	1/2 - 1 [13-25]	10 - 6 Sol.	1.38" [35]	3.05" [77]	1.41" [36]	50 in.-lb.	50 in.-lb.
C-22JA	1-1/4 - 2 [32-51]	10 - 6 Sol.	2.60" [66]	3.69" [94]	1.41" [36]	50 in.-lb.	50 in.-lb.
C-4JA	2-1/2 - 4 [64-102]	10 - 6 Sol.	4.29" [109]	5.01" [128]	1.41" [36]	50 in.-lb.	50 in.-lb.

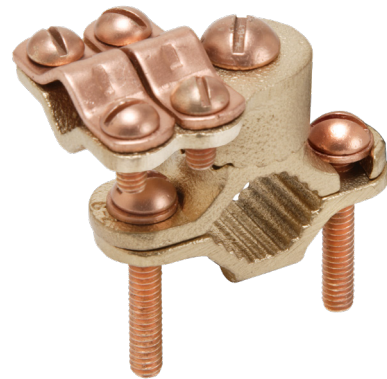
Type C-HD-DB Cast Bronze Clamps

Grounding Conductor, EMT, or Rigid Conduit to Water Pipe/Copper Tube/Ground Rod/Rebar

For connecting grounding conductor, EMT or rigid conduit to water pipe, copper tube, ground rod or rebar. Hub swings 360° for easy alignment. Simply reverse bottom clamp for smaller size rebar or rod. Connectors are provided with Silicon Bronze hardware.

Rated for Direct Burial in earth or concrete

UL467 Listed for the US and Canadian Markets



Catalog Number	Accommodates Conductor Range				Reference Dimensions			Recommended Screw Torque (Inch Pounds)
	Main			Tap	H	L	W	
	Water Pipe	Rebar	Ground Rod	Ground				
C11HD4/0DB	1/2" - 1" [13-25]	#4 - #6	3/8" - 1"	#8 - 4/0 AWG	2.25	2.65	1.56	50 in.-lbs.
C22HD4/0DB	1-1/4" - 2" [32-51]	-	-	#8 - 4/0 AWG	2.70	3.60	1.56	50 in.-lbs.

Cast Bronze Clamps for Armored Cable to Water Pipe, Rigid Conduit

Type C- Cast Bronze Clamps

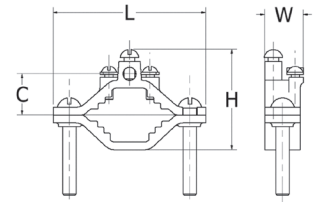
For connecting armored cable to water pipe. Zinc plated screws. "D" indicates UL467 for direct burial in earth and concrete, supplied with silicon bronze hardware.

Rated for Direct Burial in earth or concrete

UL467 Listed for the US and Candian Markets



C-6 Shown

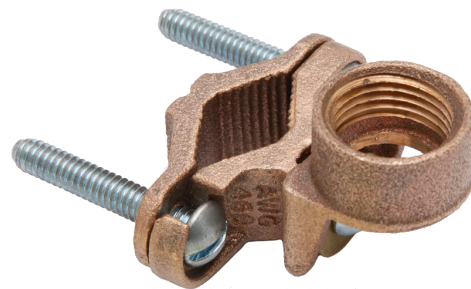


Catalog Number	Accommodates Conductor Range			Reference Dimensions				Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Ground	Ground Clamp	H	L	W	C	Pipe Clamp	Wire Clamp
C-6	1/2 - 1 [13-25]	10 - 2 Str.	Bare Armored Unarmored Wire Cables or Cords	1.60" [41]	2.34" [59]	1.06" [27]	0.63" [16]	50 in.-lb.	50 in.-lb.
C-6D	1/2 - 1 [13-25]	10 - 2 Str.		1.60" [41]	2.34" [59]	1.06" [27]	0.63" [16]	50 in.-lb.	50 in.-lb.
C-7	1-1/4 - 2 [32-51]	10 - 2 Str.		2.38" [60]	3.62" [92]	0.94" [24]	1.00" [25]	50 in.-lb.	50 in.-lb.

Type C- Cast Bronze Clamps for Rigid Conduit

For grounding rigid conduit systems; supplied with zinc plated screws.

UL467 Listed for the US and Candian Markets



C-61 Shown

Catalog Number	Accommodates Conductor Range			Reference Dimensions				Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Ground	Hub Size	H	L	W	C	Pipe Clamp	Wire Clamp
C-61	1/2 - 1 [13-25]	#6 Sol. Max.	1/2 [13]	2.07" [53]	2.34" [59]	1.34" [34]	1.06" [27]	50 in.-lb.	50 in.-lb.
C-66	1-1/4 - 2 [32-51]	#6 Sol. Max.	1/2 [13]	2.69" [68]	3.62" [92]	1.34" [34]	1.40" [36]	50 in.-lb.	50 in.-lb.

Cast Bronze Clamps for Conduit, Cast Bronze Clamp with Copper Strap

Type C-LH

Cast Bronze Clamps for Conduit

For grounding rigid conduit systems. Continuity from rigid conduit systems to ground provided by cast bronze threaded conduit hub. Zinc plated screws.

UL467 Listed for the US and Candian Markets



Catalog Number	Accommodates Conductor Range			Reference Dimensions				Recommended Screw Torque (Inch Pounds)	
	Water Pipe	Ground	Hub Size	H	L	W	C	Pipe Clamp	Wire Clamp
C-11LH-1	1/2 - 1 [13-25]	10 Str. - 6 Sol.	1/2 [13]	2.25" [57]	3.23" [83]	0.69" [18]	0.97" [25]	50 in.-lb.	50 in.-lb.
C-22LH-1	1-1/4 - 2 [32-51]	10 Str. - 6 Sol.	1/2 [13]	2.88" [73]	3.50" [89]	0.69" [18]	1.34" [34]	50 in.-lb.	50 in.-lb.
C-4LH-1	2-1/2 - 4 [54-102]	10 Str. - 6 Sol.	1/2 [13]	4.56" [116]	4.82" [122]	0.69" [18]	2.44" [62]	50 in.-lb.	50 in.-lb.
C-11LH-2	1/2 - 1 [13-25]	2/0 - 10 Str.	3/4 [19]	2.56" [65]	2.86" [73]	1.00" [25]	1.13" [29]	50 in.-lb.	50 in.-lb.
C-22LH-2	1-1/4 - 2 [32-51]	2/0 - 10 Str.	3/4 [19]	3.19" [81]	3.50" [89]	1.00" [25]	1.50" [38]	50 in.-lb.	50 in.-lb.
C-4LH-2	2-1/2 - 4 [64-102]	2/0 - 10 Str.	3/4 [19]	4.88" [124]	4.82" [122]	1.00" [25]	2.38" [60]	50 in.-lb.	50 in.-lb.
C-11LH-3	1/2 - 1 [13-25]	3/0 - 10 Str.	1 [25]	2.69" [68]	2.86" [73]	1.13" [29]	1.19" [30]	50 in.-lb.	50 in.-lb.
C-22LH-3	1-1/4 - 2 [32-51]	3/0 - 10 Str.	1 [25]	3.32" [84]	3.50" [89]	1.13" [29]	1.56" [40]	50 in.-lb.	50 in.-lb.
C-4LH-3	2-1/2 - 4 [64-102]	3/0 - 10 Str.	1 [25]	5.01" [127]	4.82" [122]	1.13" [29]	2.44" [62]	50 in.-lb.	50 in.-lb.

* C-LH with -1 has one screw; -2 and -3 Versions have 2 screws as shown.

Type C-CS

Cast Bronze Clamps with Copper Strap

For grounding rigid conduit systems. Strap helps protect conduit system from water system vibrations. Cast bronze clamp with zinc plated screws and ETP copper strap.



Fig. 1



Fig. 2

UL467 Listed for the US and Candian Markets

Catalog Number	Fig. #	Accommodates Conductor Range			Reference Dimensions					Recommended Screw Torque (Inch Pounds)	
		Water Pipe	Ground	Hub Size	H	L	W	C	D	Pipe Clamp	Wire Clamp
C-11CSH-1	1	1/2 - 1 [13-25]	6 Sol. Max.	1/2 [13]	1.75" [44]	8.50" [216]	1.06" [27]	1.06" [27]	6.12" [155]	50 in.-lb.	50 in.-lb.
C-11CSH-2	1	1/2 - 1 [13-25]	4/0 Str. Max.	3/4 [19]	1.75" [44]	8.50" [216]	1.25" [32]	1.50" [38]	6.12" [155]	50 in.-lb.	50 in.-lb.
C-11CSH-3	1	1/2 - 1 [13-25]	4/0 Str. Max.	1 [25]	1.75" [44]	8.50" [216]	1.50" [38]	1.75" [44]	6.12" [155]	50 in.-lb.	50 in.-lb.
C11CSLH12	2	1/2 - 1 [13-25]	2/0 Str. Max.	1/2 [13]	1.75" [44]	8.50" [216]	1.18" [30]	1.06" [27]	6.12" [155]	50 in.-lb.	45 in.-lb.

Dual Rated Ground Clamp for Copper and Aluminum Type GC-A

Type GC-A

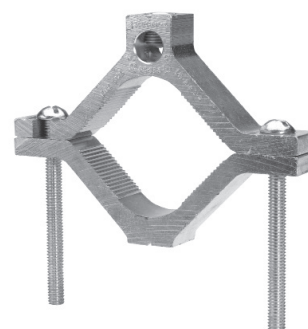
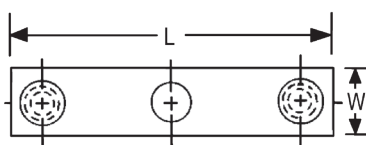
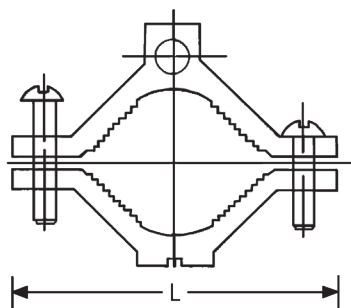
Dual Rated Ground Clamp for Copper and Aluminum Cable

Type GC-A ground clamps are UL Listed for use with either copper or aluminum conductors to copper water pipe, galvanized pipe, or steel conduit. All clamps are constructed from tin plated high-strength extruded aluminum alloy. PENETROX™ oxide inhibiting joining compounds are recommended for all aluminum applications.



Features & Benefits

- Clamps are dual rated for both copper and aluminum conductors providing maximum flexibility of application
- All connectors are tin plated to provide low contact resistance and prevent galvanic corrosion
- All clamps are range taking; only 3 catalog number covers the complete range of applications from 1/2 to 4 inches
- UL467 Listed



Catalog Number	Conduit, Pipe, or Water Tube Size**	Wire Range	Screw Type	W	L	Hex Size
GC15A	1/2 - 3/4 - 1	1/0 - 14	Slotted	11/16	2-1/4	Slot
GC18A	1-1/4 - 1-1/2 - 2	250 kcmil - 6	Hex Socket	13/16	3-3/4	5/16
GC22A	2-1/2 - 3 - 3-1/2 - 4	250 kcmil - 6	Hex Socket	1	6-5/16	5/16

NOTE:

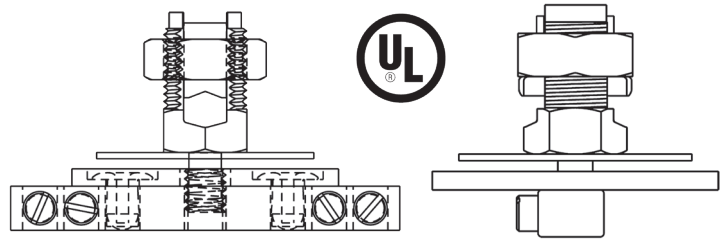
** Refer to Section O for tube dimensions.

BONDIT® Intersystem Bonding, House/Meter Socket Mounted

Type BDT

House or Meter Socket Mounted BONDIT® Intersystem Bonding Connector

Designed to meet the requirements of NEC Article 250.94 “Bonding for Other Systems”. Corrosion-resistant stainless steel set screws. Accepts main ground wire (#2-#8) and up to 4 intersystem wires (#6-#14). Same design can be mounted directly to the meter socket or mounted to the house. Innovative design does not damage meter socket and will not void warranty.



Catalog Number: **BDT1**

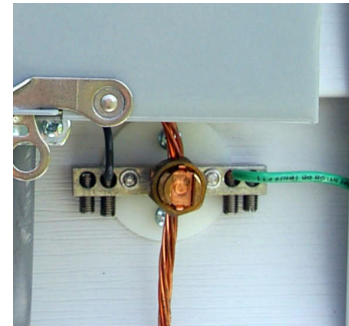
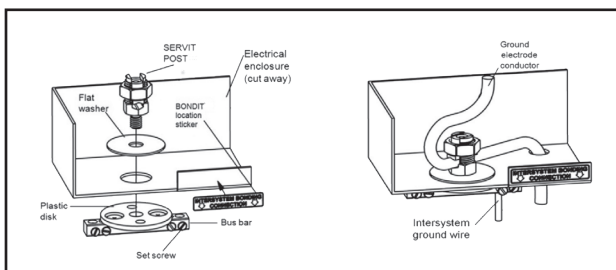
Features & Benefits

- Made in the USA!
- Meets Intersystem Bonding Requirements; NEC 250.94
- One connector does it all
- House mount or meter socket mount
- Incorporates proven BURNDY® SERVIT POST™ design
- Stainless steel set screws
- UL467 Listed
- Accepts main ground wire (#2-#8), up to 4 intersystem wires (#6-#14)
- Easily mounts to meter box during new installation or can be wall mounted
- Easy to follow instructions included
- Does not damage meter socket; no worries about damaging the paint or voiding warranties
- Easily installed with a wrench and screwdriver
- Open design prevents buildup of hornets, bees, spiders



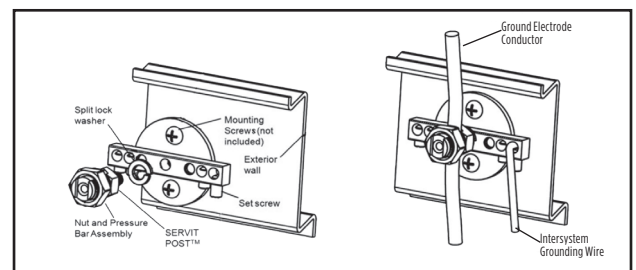
CONFIGURATION 1 - MOUNTED TO ENCLOSURE

1. Punch out a 1/2" or 3/4" knock out on the electrical enclosure.
2. Begin assembly by installing the ground electrode conductor in the SERVIT POST™ inside the electrical enclosure. Torque on SERVIT™ NUT: 275 in-lb max.
3. Install the rest of the connector shown below, it is not necessary for the bus bar to be aligned parallel with the enclosure. (Note: the split washer is not used in this configuration.)
4. Tighten the intersystem ground wires with set screws in the bus bar to a maximum torque of 35 in-lb.
5. Adhere the BONDIT™ location sticker to the front of the electrical enclosure.



CONFIGURATION 2 - MOUNTED TO EXTERIOR WALL

1. Begin by assembling the connector as shown in figure below. Be sure SERVIT POST™ is as tight as it can be while its groove is aligned with the ground electrode conductor. (Note: the flat washer is not used in this configuration.)
2. Use two mounting screws (not included) to secure the connector to the exterior wall so that the set screws in the bus bar face downward.
3. Install the ground electrode conductor into the SERVIT POST™ while turning the nut/pressure bar assembly to a maximum torque of 275 in-lb (use 2 wrenches if necessary).
4. Tighten the intersystem ground wires with the set screws in the bus bar to a maximum torque of 35 in-lb.
5. If hidden from view, use the BONDIT™ location sticker to indicate the location.



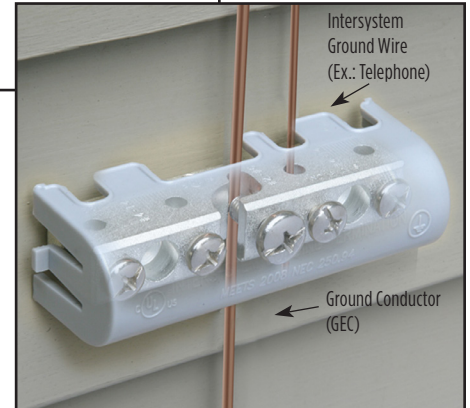
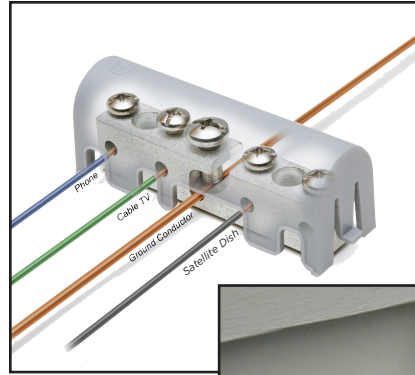
BONDIT® Wall Mounted Intersystem Bonding Connector

Type BDTIBB, BONDIT®

Wall Mounted Intersystem Bonding Connector

NEC 250.94 refers to a requirement in the 2008 National Electrical Code. In the past, ground wires from telephone systems or cable systems were allowed to be grounded separately from the GEC (Ground Electrode Conductor from the main electrical service). With the new code, all ground wires from separate systems such as telephone systems, CATV and radio systems must be tied together at one location to the GEC. Hence, the term intersystem refers to tying all of the “system” grounds together in one location. The BONDIT® - Wall Mount is a great solution when the GEC is exposed (not in conduit).

With the new BONDIT® - Wall Mount connector BURNDY provides an economical solution that meets the needs of NEC 250.94.



Features & Benefits

- Meets Intersystem Bonding Requirements; NEC 250.94
- Provides an easy to access grounding point for utilities such as telecom and cable
- Easy to install
- Tin-plated connector body provides long-lasting corrosion resistance
- UL467 Listed for the US and Canadian Markets
- Stainless steel set screws
- Accepts main ground wire (#2 to #6), up to (4) intersystem wire (#4 to #14)
- Supplied with a durable cover, easily secured over connector body
- Approved for use with solid stranded conductors

Catalog Number	Figure	Cover Color	Conductor Range		Reference Dimensions			
			Lay-In Section	Conductor Ports	L	W	H	M
BDTIBB	1	Gray	#6 - #2 AWG	#14 - #4 AWG	3.99 [101]	0.71 [18]	0.91 [23]	2.46 [62]
GIB5	2	White	#6 - #2 AWG	#14 - #4 AWG	3.39 [86]	1.50 [38]	0.91 [23]	2.13 [54]

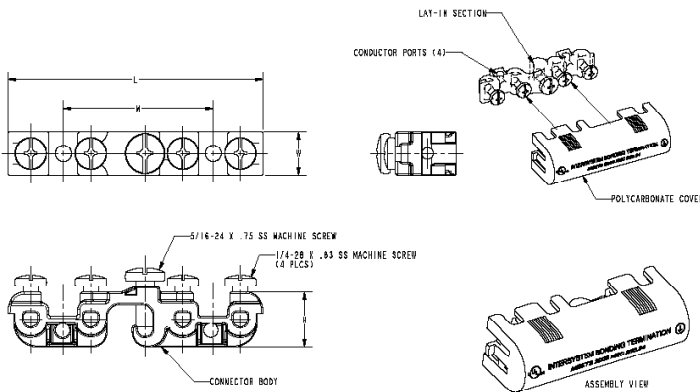


Figure 1

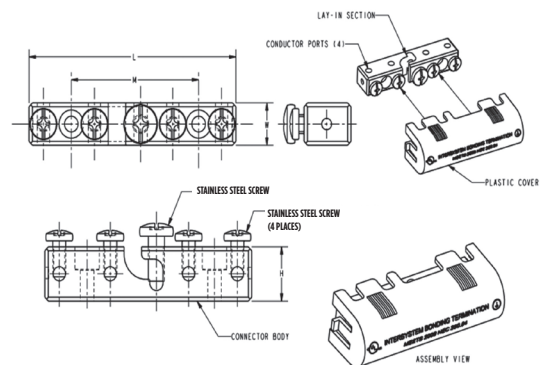


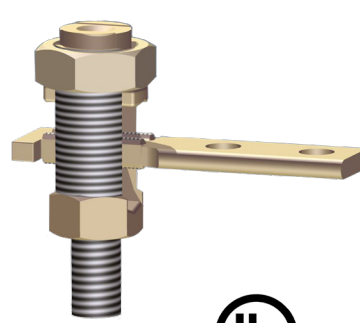
Figure 2

HandyBug™ Connector Type SB, Tap, Splice, or Terminate

Type SB, HandyBug™ Connector

Tap, Splice, Terminate all with the same connector

The HandyBug™ connector is an “all-in-one” electrical connector that can be used for dozens of different power or grounding connection applications. This new connector is the survival tool of electrical connections and can be used as a splice, tap, terminal, wire-to-pipe, wire-to-busbar, and many other applications. The HandyBug™ incorporates the features and benefits of dozens of different products. Available in two sizes, these connectors accommodate from #8 AWG Solid to 1/0 AWG Stranded.

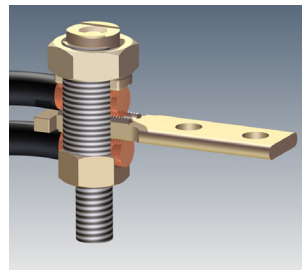


Ideal for emergency repairs, maintenance crews, and technicians, this connector is an essential part of every electrician’s basic supplies. cULus Listed and acceptable for direct burial in earth and concrete.

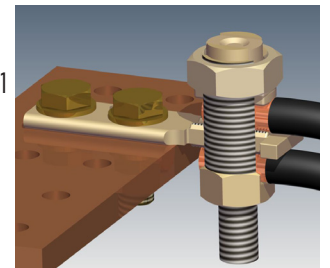
Features & Benefits

- Power or Grounding and Bonding Applications
- Can be used to terminate wire to bus bars or steel
- Can be used for splicing and tap connections
- No special tooling required
- UL467 and UL486A/B Listed for the US and Canadian markets
- Rated for Direct Burial
- Tin plated
- Industry standard mounting hole configurations

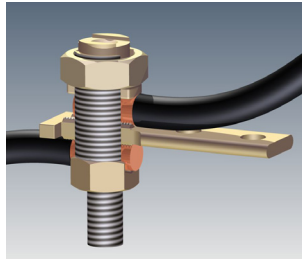
Traditional Split Bolt Option



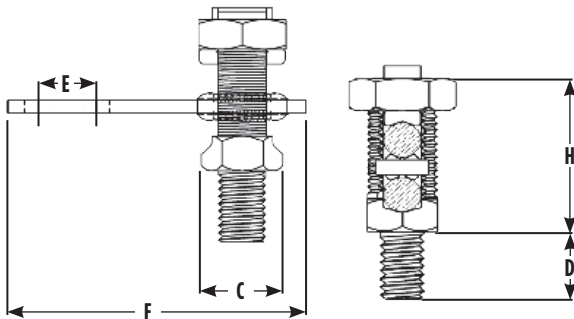
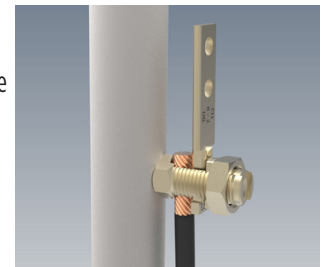
Terminate 1 or 2 Wires



Splice Connection



Wire to Pipe or Steel



Catalog Number	Stranded	Solid	Stud Diameter	C	H	D	E	F
SB232TC14	8 AWG - 2 AWG	8 AWG - 2 AWG	3/8 - 16	0.72 [18]	1.44 [37]	0.63 [16]	0.63	2.84
SB232TC38	8 AWG - 2 AWG	8 AWG - 2 AWG	3/8 - 16	0.72 [18]	1.44 [37]	0.63 [16]	1.00	2.84
SB23U*	8 AWG - 2 AWG	8 AWG - 2 AWG	3/8 - 16	0.72 [18]	1.44 [37]	0.63 [16]	N/A	2.84
SB252TC14	2 AWG - 1/0 AWG	2 AWG - 1/0 AWG	1/2 - 13	0.87 [22]	1.68 [43]	0.75 [19]	0.63	3.15
SB252TC38	2 AWG - 1/0 AWG	2 AWG - 1/0 AWG	1/2 - 13	0.87 [22]	1.68 [43]	0.75 [19]	1.00	3.15
SB25U*	2 AWG - 1/0 AWG	2 AWG - 1/0 AWG	1/2 - 13	0.87 [22]	1.68 [43]	0.75 [19]	N/A	3.15

* Suffix U denotes undrilled version, not cULus Listed.

Type BWB680 Series Pool Water Bonding Kits

Type BWB680 Series

BURNDY® Pool Water Bonding Kits

NEC 680.26(C) states: "An intentional bond of minimum conductive surface area of 9" shall be installed in contact with the pool water. This bond shall be permitted to consist of parts that are required to be bonded in 680.26(B)".

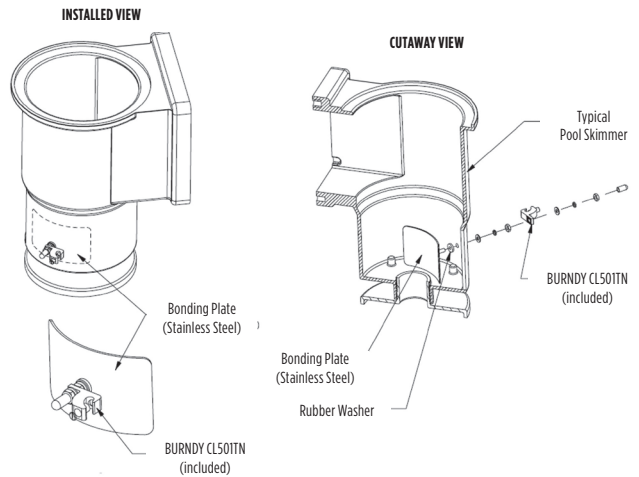
In order to comply with this requirement BURNDY is offering the BWB680 Series. Made of non-corrosive stainless steel, the BURNDY water bonding kit maintains constant contact with pool water to ensure that the pool is effectively bonded at all times.

BURNDY BWB680 Series is one of the few and the most user friendly, products on the market that complies with this code. Other products are placed in the plumbing, which is not always in contact with the water and therefore does not meet the code. Since the BWB680 Series is placed in the skimmer, it is always in contact with the water.

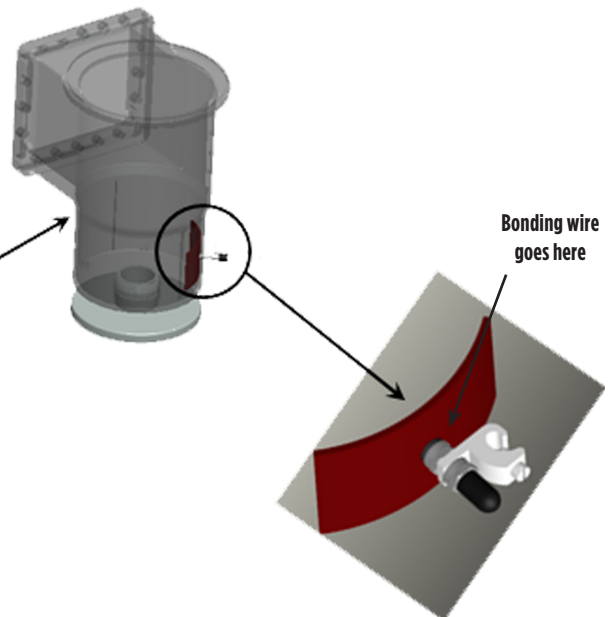
Included in the BURNDY BWB680 Series Bonding Kit: One (1) bonding plate; one (1) rubber sealing washer; two (2) flat washers; two (2) lock washers; two (2) nuts; and one (1) BURNDY CL501-TN.

Features & Benefits

- Easy installation
- Mounting hardware included
- UL Listed
- Placed out of the way on the side wall of the skimmer below the basket



Catalog Number	Pool Type
BWB680AG	Above Ground
BWB680IG	In-Ground



Type GIE-G Ground Connectors for Vehicle Grounding; Heavy Duty

Type GIE-G

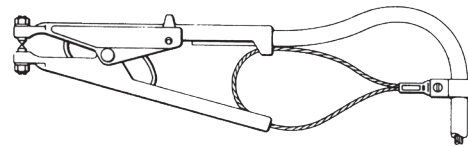
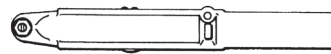
Ground Connector for Vehicle Grounding, Heavy Duty Construction

High-strength copper alloy ground clamps for grounding gasoline trucks, tank cars, aircraft and other vehicles where danger of explosion due to static electricity exists. Corrosion resistant and supplied with nonsparking, adjustable, replaceable contact grip screws. Automatic safety release disconnects should a vehicle unexpectedly move from the grounded area. Accommodates 4 Str. flexible copper cable.



Catalog Number	Description	Material	Point Configuration
GIE4CG3	Assembly Beryllium Copper	Beryllium Copper	Assembly
GIE4CG4	Assembly Stainless Steel	Stainless Steel	Assembly

Replacement Tips Only			
Catalog Number	Description	Material	Point Configuration
GIE4CG3P5	Beryllium Copper CONE Point Only	Beryllium Copper	Cone Point
GIE4CG3P7	Beryllium Copper CUP Point Only	Beryllium Copper	Cup Point
GIE4CG4P5	Stainless Steel CONE Point Only	Stainless Steel	Cone Point
GIE4CG4P7	Stainless Steel CUP Point Only	Stainless Steel	Cup Point

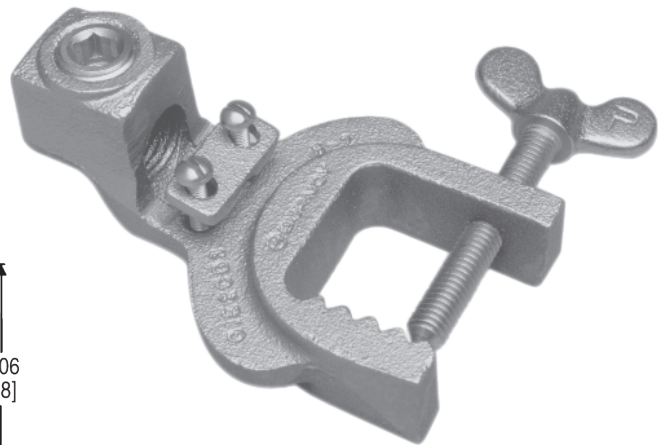
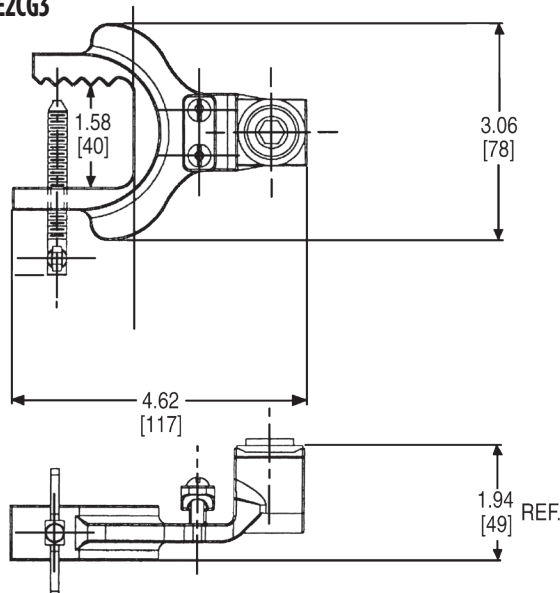


Type GIE-G

Ground Connector for Vehicle Grounding, Heavy Duty Construction

Accommodates flexible rubber sheath cable ranging from #6 to #2 conductor.

Catalog Number: **GIE2CG3**



Type BSD BURNDY® Static Discharge Reels

Type BSD

BURNDY® Static Discharge Reels

Static Discharge Reels are an excellent addition to the BURNDY® static discharge line of products. These reels are often used to dissipate static charge buildup developed while filling or dispensing fuel or other combustible liquids from fuel trucks or rail cars. Often used in the petroleum industry but applicable in any area where static discharge creates potential hazard.

These reels are heavy duty, of rugged construction and are supplied with a 100 amp universal jaw-type grounding clamp. The reels are available with 100 ft and 50 ft lengths. All reels come with spring rewind and centrifugal brake. The tension can be adjusted on these reels and installation instructions are included to ensure the most efficient mounting method.

Every reel is Proudly Made in the USA and meets the stringent quality expectations of the BURNDY® portfolio of grounding products.

Features & Benefits

- 100 foot and 50 foot cable lengths available
- Automatic E-Z PULL™ Rewinding
- Rugged Steel Construction
- Compact Enclosed Design (excluding BSD20100)
- Positive Ratchet Lock with Ratchet On/Off Switch (excluding (BSD20100)
- Permanent Ratchet Lock (BSD20100 only)
- Steel Cable Installed
- 100 Amp Universal Jaw-Type Grounding Clamp
- Red Baked-on Finish
- Made in the USA



BSD2050

BSD2050N



BSD2050Y



BSD20100

Catalog Number	Cable Length	# of Jaw-Type Grounding Clamps	Weight (lb.)
BSD20100	100 feet (Open Reel Design)	1	20
BSD2050	50 feet	1	12
BSD2050N	50 feet (Nylon Covered)	1	12
BSD2050Y	35 feet plus 15 feet of "Y"	2	13

Repair Component Kits	
Catalog Number	Includes:
BSD2050K01	Spring motor assembly: spring motor, spool, shaft, bushings in a sealed canister
BSD2050K02	Right half housing assembly: right housing half, ratchet lock assembly (attached to housing)
BSD2050K03	Left half housing assembly: left housing half, nameplate
BSD2050K04	Cable guide
BSD2050K05	Cable assembly: cable, grounding clamp(s), lockwasher-M4, hex nut-M4
BSD2050K06	Hardware package: spacer, torsion spring, machine screws, lockwasher, thrust washer, hex nut, retaining ring, extension spring, ratchet lock assembly
BSD2050K05Y	Cable assembly: two cable grounding clamps, lockwasher-M4, hex nut-M4
BSD2050K05N	Cable assembly: nylon covered cable, grounding clamp, lockwasher-M4, hex nut-M4

Static Discharge "C" Clamp; The STUDBUG™

Type BSDCCEE

Static Discharge "C" Clamp

The BSDCCEE is a static grounding "C" clamp used to provide electrical contact between containers used for dispensing liquids and the grounding grid. The reel or grounding cable is crimped onto the provided ring terminal which is then fastened to the clamp at the end of the set screw. The clamp can be used with galvanized or stainless steel cable with a maximum diameter of 1/8 inch. (Cable is not included.) The BSDCCEE has a galvanized steel body and includes the ring terminal, and stainless steel hardware. (Winged Cup Point Set Screw and Dog Point Set Screw.)

Catalog Number: **BSDCCEE**



Features & Benefits

- Easy to install
- Galvanized steel body and stainless steel hardware
- Designed for clamping cable end to containers

Type GCB63T13G1 STUDBUG™

for Static Grounding Applications

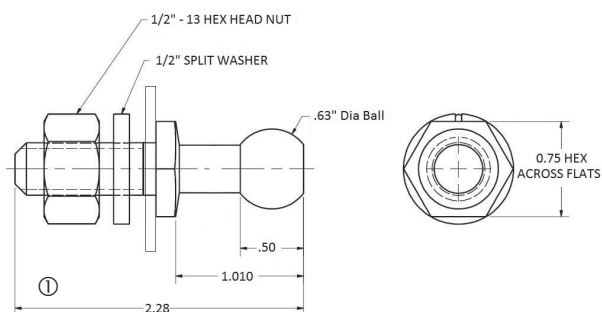
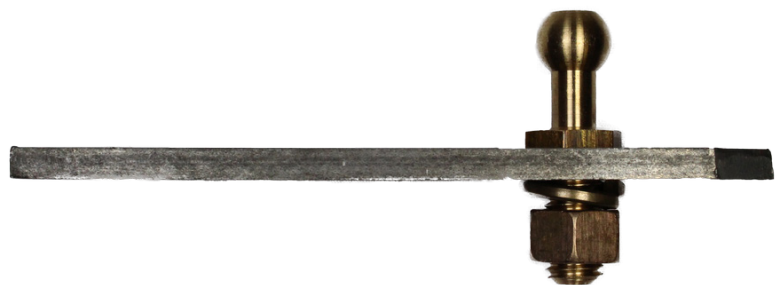
GCB63T13G1 is a temporary grounding stud for use on rail cars, chemical trucks, hazardous waste tankers or a petroleum vehicle to allow for static grounding protection, while in operation. It provides a contact point, allowing the rail car, truck or tanker to be grounded to an equipotential grid or ground rod, by using static reel or a ground cable.

Catalog Number: **GCB63T13G1**



Features & Benefits

- Made of bronze; supplied with silicon bronze hardware
- Secured by 1/2" hexagonal nut and split lockwasher
- Can be used with universal clamps and ball stud clamps
- Can be used at various angles to reach inaccessible areas
- Add suffix "SS" for grounding stud with stainless steel hardware



Note:

- ① Can be used with plate, bus bar or structural steel up to 1/4" thick.

Type GSC Temporary Protective Ground Stud

Temporary Protective Ground Studs

The need for higher-rated grounding components and accessories is driven by continuous increases in the national electric grid's power capability. The ASTM F855 standard outlines specifications for temporary protective grounding with updates that reflect these changing requirements.

Temporary Protective Ground Studs are single point ground connections for Temporary Ground Sets. The H-Rated Ground Studs are designed and tested to meet the requirements of ASTM F855 Table 2. The ball stud covers serve as animal mitigation and stud surface protectant.



Features & Benefits

- Constructed of Tin-Plated Cast Copper alloy
- NEMA spaced terminal pad
- Animal mitigation / Stud Protector Cover Available
- Ball and Socket design accommodates industry standard Ground Set Clamps
- Available in Straight, 45°, and 90° variations
- Third-party laboratory test results available

Type GSC88

35mm Ground Ball Stud with 90° NEMA Pad					
Catalog Number	Description	Mounting Details & Orientation	Pad Angle	Ball Diameter	Rating
GSC882NH35B7H	Ground Stud	1/2" holes with 1.75" NEMA Spacing; 90° Pad	Straight	35 mm (1.38")	Grade 7H
GSC882NH35BCOVER	Ground Stud Cover	Not applicable for cover			

Type GSC75

30mm Ground Ball Stud with Inline NEMA Pad					
Catalog Number	Description	Mounting Details & Orientation	Pad Angle	Ball Diameter	Rating
GSC752N30B5H	Ground Stud	1/2" holes with 1.75" NEMA Spacing; Inline Pad	Straight	30 mm (1.18")	Grade 5H
GSC752N30B	Ground Stud	1/2" holes with 1.75" NEMA Spacing; Inline Pad	Straight	30 mm (1.18")	Grade 5
GSC752N30B45	Ground Stud	1/2" holes with 1.75" NEMA Spacing; Inline Pad	45°	30 mm (1.18")	-
GSC752N30B90	Ground Stud	1/2" holes with 1.75" NEMA Spacing; Inline Pad	90°	30 mm (1.18")	-
GSC7530BCOVER	Ground Stud Cover	Not applicable for cover			

Type GSC63

25mm Ground Ball Stud 90° and Inline NEMA Pad					
Catalog Number	Description	Mounting Details & Orientation	Pad Angle	Ball Diameter	Rating
GSC632NH1B	Ground Stud	1/2" holes with 1.75" NEMA Spacing; 90° Pad	Straight	25mm (1")	Grade 4
GSC632NH25B5H	Ground Stud	1/2" holes with 1.75" NEMA Spacing; 90° Pad	Straight	25mm (1")	Grade 5H
GSC632N25B5H	Ground Stud	1/2" holes with 1.75" NEMA Spacing; Inline Pad	Straight	25mm (1")	Grade 5H
GSC632NH1BCOVER1	Ground Stud Cover	Not applicable for cover			

Types J, RGC Mechanical Rail Connectors

Types J, RGC Mechanical Rail Connectors

Mechanical clamp connectors designed for use in power, contact or running rail applications. Connectors are cast of a high conductivity copper alloy, tin-plated, and assembled with high-strength DURIMUM™ hardware. Connectors designed for extended service life.

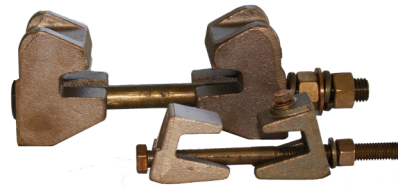


Figure 1

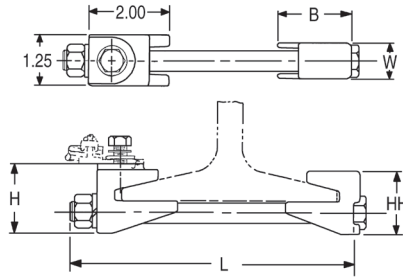


Figure 2

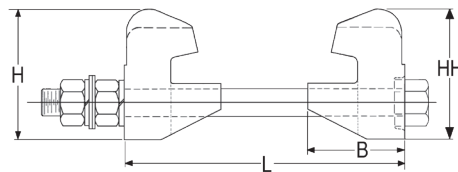


Figure 3

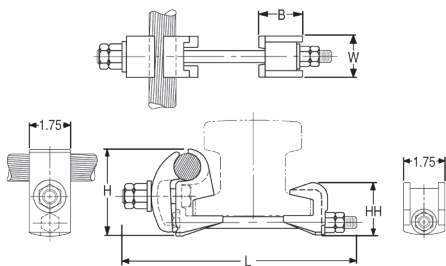


Figure 4

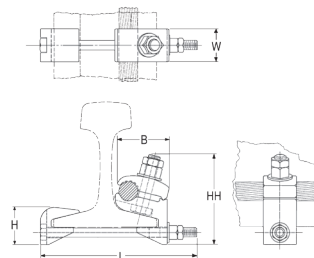
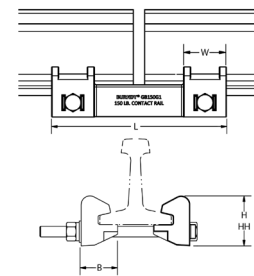


Figure 5



Catalog Number	Fig. No.	Accommodates	B	H	HH	L	W
J278	1	100 Lbs. A.R.E.A Running Rail	1.81	1.88	1.72	7.50	0.88
J278G1	1	100 Lbs. A.R.A. Running Rail	1.81	1.88	1.72	8.00	0.88
J279	1	75 or 90 Lbs. Running Rail	1.81	1.71	1.55	7.50	0.88
J280	1	150 Lbs. Contact Rail	2.12	2.08	1.92	7.00	1.25
J295	2	150 Lbs. Third Rail	2.62	3.50	3.50	7.75	3.00
RGC44G1 ①	3	150 Lbs. NMC Contact Rail and (1) 800-1000 kcmil CU Cable	1.75	2.82	2.25	10.00	1.75
RGC39G1 ①	4	115 Lbs. Contact or Running Rail and (1) 500-750 kcmil CU Cable	2.75	2.00	4.78	8.32	1.25
GB150G2	5	Third Rail Splice Clamps Two 150 Lb Contact Rails	2.56	3.50	3.50	12.25	3.00
GB150G3			2.56	3.50	3.50	23.00	3.00

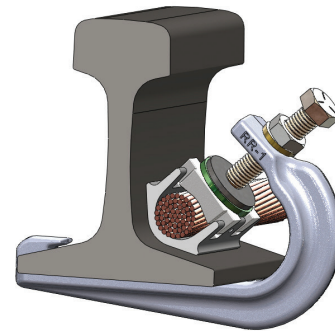
①Tin-plated

CPI™ Connector Products Running Rail Connectors

CPI™ Running Rail Connectors

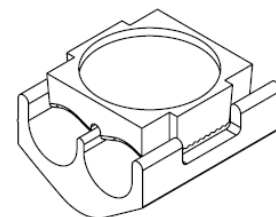
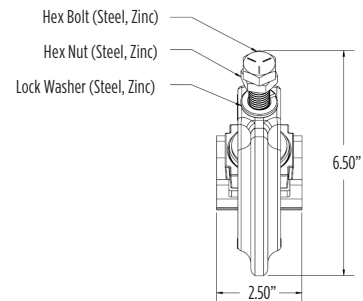
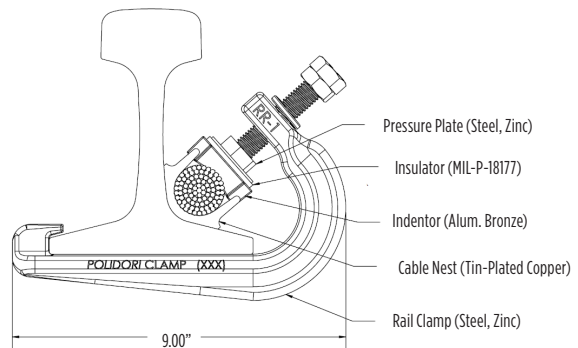
Single and Two-Conductor Styles

CPI Running Rail Connectors are designed as a permanent connection for copper conductor to a variety of rails used in Heavy Rail Mass Transit systems. Constructed with a heavy duty aircraft-quality steel spring member, copper cable nest, indenter, hex head bolt and locking nut.

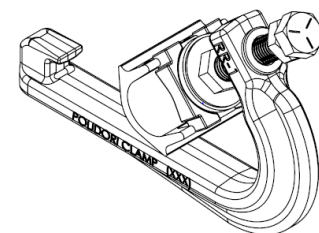


Features & Benefits

- No drilling in rail or need to weld conductor to the rail!
- Rail is not subjected to warping by excessive heat or to weakening by drilling
- Labor saving, installation time can take as little as 10 minutes per connection
- Fewer rail connections required due to large conductor capacity (Single conductors up to 1000 kcmil; Dual conductors up to 750 kcmil)
- Large conductors can be bent away from the rail after installation without the risk of damaging the connector
- The clamp is an active spring applying a consistent force on the conductor ensuring a positive connection through heat cycling and train vibration
- The J-shaped spring member of the connector helps overcoming loosening issues problems associated with harsh train vibration by flexing rather than breaking; a static-type connection doesn't have this resiliency and could crack under prolonged vibration
- Consistent spring pressure prevents moisture and contamination from seeping into the connection
- All copper components are tin plated and steel components are galvanized



115-2-500 Nest Configuration



115-1000A Nest Configuration

Single Conductor Connectors		
Catalog Number	Rail Size & Type	Conductor Size Range
85-1000	85 lb ASCE	1000 kcmil
90-1000	90 lb ASCE	1000 kcmil
115-500	115 lb AREMA, 119 lb AREMA	500 kcmil
115-750	115 lb AREMA, 119 lb AREMA	750 kcmil
115-1000A	115 lb AREMA, 119 lb AREMA	1000 kcmil - 1250 kcmil
136-500	136 lb AREMA	500 kcmil
Two Conductor Connectors		
85-2-500	85 lb ASCE	TWO: 250 kcmil - 500 kcmil
90-2-500	90 lb ASCE	TWO: 250 kcmil - 500 kcmil
115-2-500	115 lb AREMA, 119 lb AREMA	TWO: 250 kcmil - 500 kcmil
115-2-750	115 lb AREMA, 119 lb AREMA	TWO: 750 kcmil
136-2-500	136 lb AREMA	TWO: 250 kcmil - 500 kcmil

Contact the factory for any rail or conductor combination not listed

CPI™ Connector Products Contact Rail Connectors

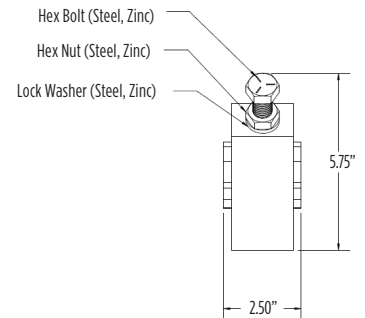
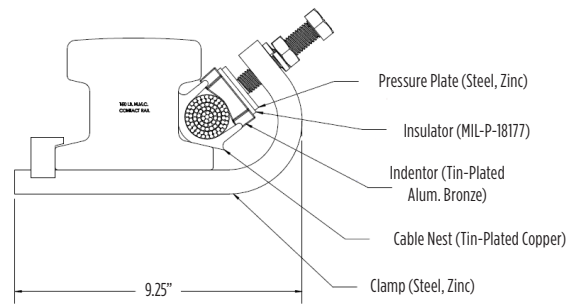
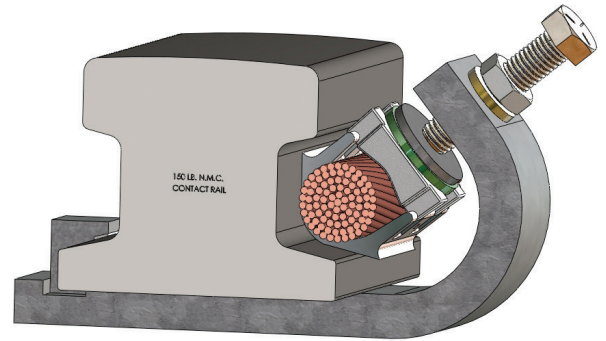
CPI™ Contact Rail Connectors

Single and Two-Conductor Styles

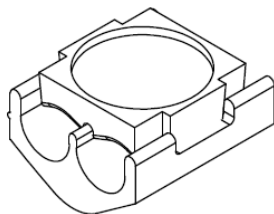
CPI Contact Rail Connectors are designed as a permanent connection for copper conductor to a variety of rails used in heavy rail Mass Transit systems. Constructed using a heavy duty aircraft-quality steel spring member, copper cable nest, indenter, hex head bolt and locking nut.

Features & Benefits

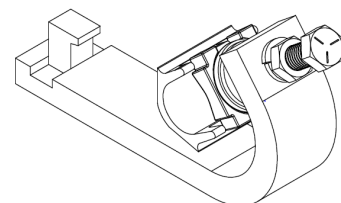
- No drilling in rail or need to weld conductor to the rail!
- Rail is not subjected to warping by excessive heat or to weakening by drilling
- Labor saving, installation time is 1/6 man hours
- Fewer rail connections required due to large conductor capacity (Single conductors up to 2000 kcmil; Dual conductors up to 750 kcmil)
- Large conductors can be bent away from the rail after installation without the risk of damaging the connector
- The clamp is an active spring applying a consistent force on the conductor ensuring a positive connection through heat cycling and train vibration
- The J-shaped spring member of the connector helps overcoming loosening issues problems associated with harsh train vibration by flexing rather than breaking; a static-type connection doesn't have this resiliency and could crack under prolonged vibration
- Consistent spring pressure prevents moisture and contamination from seeping into the connection
- All copper components are tin plated and steel components are galvanized



Single Conductor Connectors		
Catalog Number	Rail Size & Type	Conductor Size Range
150-1000	150 lb NMC	1000 kcmil
150-2000	150 lb NMC	2000 kcmil
Two Conductor Connectors		
150-2-500	150 lb NMC	TWO: 250 kcmil - 500 kcmil



150-2-500 Nest Configuration



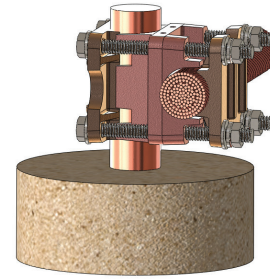
150-1000 Nest Configuration

CPI™ Connector Products 2000 kcmil Cathode Connector; Cover

CPI™ 2000 kcmil Cathode Connector

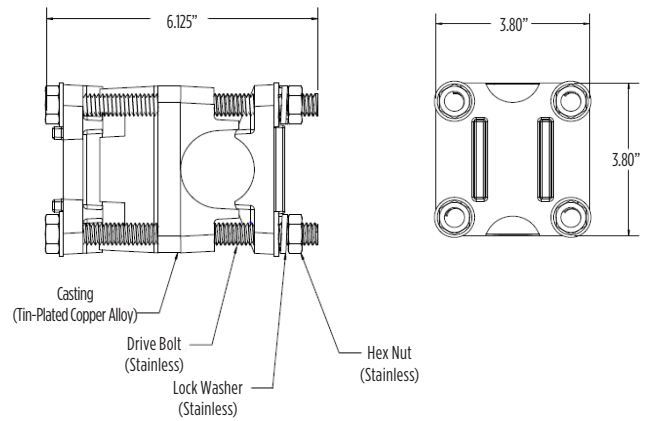
“Pot Head” Connector

CPI Cathode Connector (also known as “Pot Head” connector) is designed to connect a single 2000 kcmil conductor from the main feeder directly to the Third Rail. Used in conjunction with the CPI Contact Rail Clamp, a Pot Head connector can replace the need for having 4 separate 500 kcmil connections with one single 2000 kcmil connection.

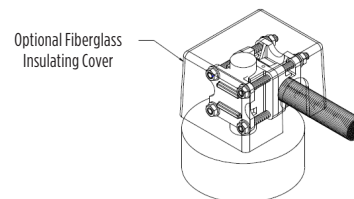


Features & Benefits

- Constructed of high conductivity copper
- The assembly comes standard with a tin-plated finish (image shows unplated)
- Incorporates the use of stainless steel hardware for increased strength and corrosion resistance
- Optional molded fiberglass cover is also available
- Simple 4-bolt installation
- Eliminates the need for any welding
- Recommended for use with the CPI 2000 kcmil Contact Rail Connector



Catalog Number	Description
22000	2000 kcmil Cathode Connector
750336	Fiberglass Insulated Cover



CPI™ Connector Products Single Cable Support Spring Rail Clips

CPI™ Single Cable Support Spring Rail Clips

Support for Signal Cables Near Rail

CPI Support Spring Rail Clips are designed to support and hold a variety of Signal cables or conductors in close proximity to the rail.

Features & Benefits

- Tempered spring steel wire construction
- All components are plated or galvanized to resist corrosion
- Quick and easy to install
- Removable and reusable
- Available in different configurations to accommodate different size rails and multiple conductor combinations

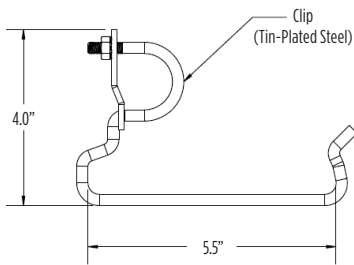
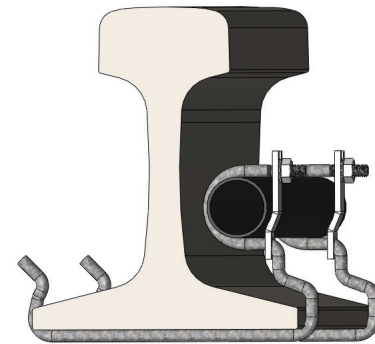


Figure 1

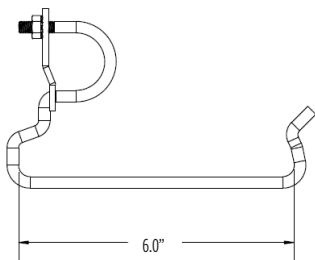


Figure 2

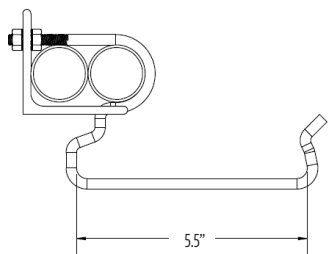


Figure 3

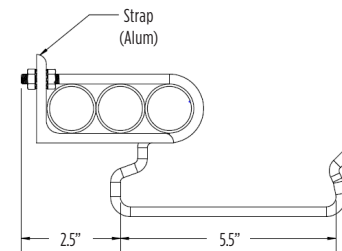
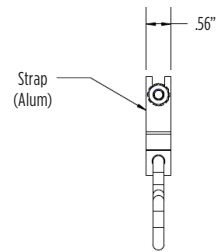


Figure 4

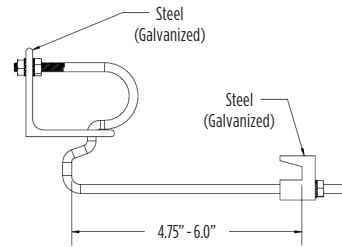


Figure 5

Catalog Number	Figure	Rail Size & Type	Cable O.D. & Capacity
115-250	1	115 lb AREA	1.25" x1
140-375	2	140 lb AREA	1.375" x1
115-250-2S	3	115 lb AREA	1.095" x2 - 1.365" x2
115-250-3	4	115 lb AREA	1.302" x3
100-ARA-B-250-2	5	100 ARA-B	1.095" x2 - 1.365" x2

Options:

Add Suffix "N" to specify a stainless steel nylon insert nut. (Standard is Zinc-plated kept nuts.)

Flexible Copper Braid Jumper General Information

Flexible Copper Braid Jumper

Copper braid is made of tinned, pure copper wire woven and flattened into a rectangular shape for greater flexibility. Seamless, pure copper ferrules are formed and assembled on each end to provide appropriate contact surfaces.

Braid is used extensively to compensate for expansion and contraction of moving parts and for thermal movement of rigid devices; to prevent breakage of insulators or bushings or equipment because of misalignment during settling of substation foundations; to absorb shock and vibration of operating equipment; and to provide flexible current carrying leads between moving parts of heavy machinery or equipment.

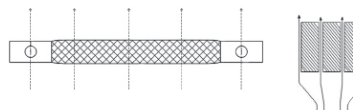


Fig. 1
Conventional current have maximum cooling effect with Braid in vertical position.

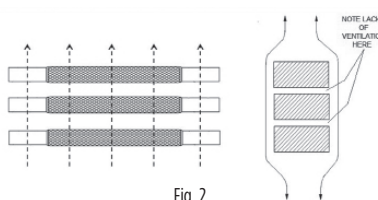
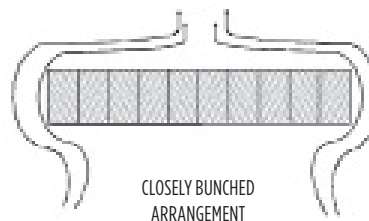


Fig. 2
Ventilation less efficient with Braid in horizontal position

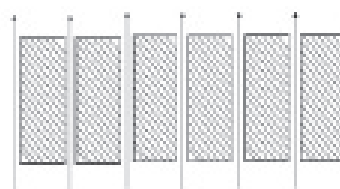
Current Carrying Capacity

Flexible copper braid has generally better heat dissipation properties than flat bar, cable or other conductors, and therefore can be expected to have a greater current carrying capacity for given cross-sectional area. This is due to its greater surface area resulting from the woven construction of fine strands. However, ventilation, due to the vertical convection current of air, is appreciably better when the long axis of the braid is vertical rather than horizontal, so that the long sides of the braid, rather than the edges, are exposed to the moving air. This is particularly true when spaced braids are used in multiple as can be seen by comparing Figure 1 and 2.

To take full advantage of ventilation, the cooling convection current of air should be permitted to flow freely between the braids. Therefore, if possible, the braids should be spaced apart, rather than bunched together, as illustrated in Figure 3. The effectiveness of spacing is, of course, greater when the braids are in a vertical position.



CLOSELY BUNCHED ARRANGEMENT



OPEN ARRANGEMENT

Cooling due to convection current much more effective with spaced Braid

Fig. 3

Bulk Braid

Bulk braid can be ordered with a minimum order quantity of 10 feet. Specify feet in number of inches.

Example: 10 feet of 190 ampere braid is Catalog No. BB077L120.

INDOOR RATING AMPS	EQUIV CIRCULAR AREA	CAT NO.	APPROX WEIGHT PER FT
75	24,000	BB024L	0.06
95	48,000	BB048L	0.16
110	67,000	BB067L	0.22
190	77,184	BB077L	0.24
340	153,700	BB154L	0.49
360	231,552	BB226L	0.76
415	300,000	BB300L	1.06

Flexible Copper Braid Custom Designs / Variations

Flexible Copper Braid Custom Designs

Flexible copper braid offers an economical and efficient means of protecting electrical equipment from the potentially harmful effects of shock and vibration, terminal expansion, movement of components and misalignment that may occur during the service life of the equipment.

Many varieties of braid are required to meet those needs which we can build to your specifications.

We also offer engineering assistance in the selection of the most appropriate standard or custom braid configuration for your application.

Custom Variations

Drilling

- * Undrilled
- * Elongated (slotted) holes
- * Special hole patterns and location
- * Metric
- * NEMA

Plating

- * Tin
- * Silver
- * Nickel
- * Unplated

Length

- * Jumper (overall)
- * Ferrule(s) contact

Insulated (covered)

- * Tubular
- * Heat shrink

Split Braid Assemblies

- * Stacked
- * Side-by-side

Multiple Ferrules

Preformed Configurations

- * Offset contact surfaces
- * Angular (e.g. 90°, 180°) bends
- * Ferrule contact surfaces rotated 90° on braid axis

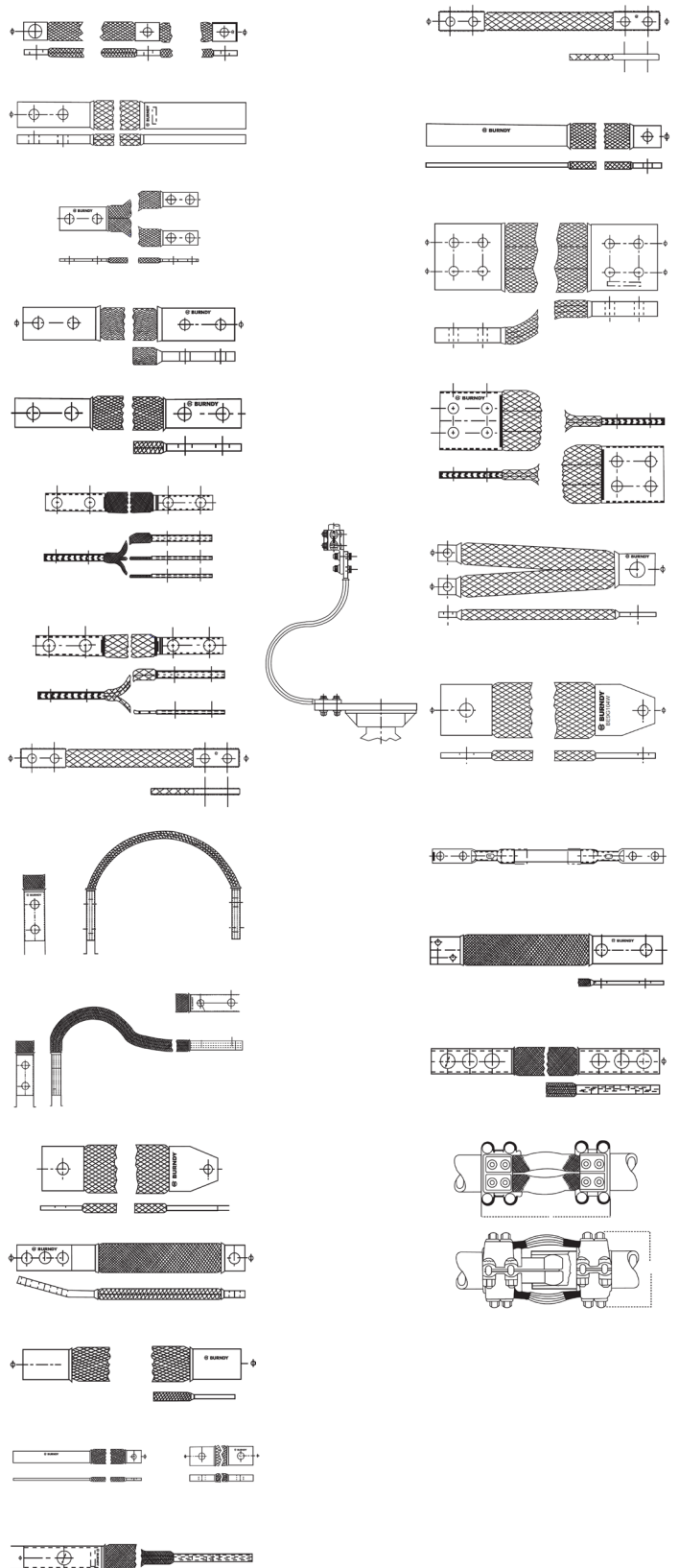
Combined Braid Assemblies

Combined connector - Braid Assemblies

Ferrule Variations

- * Belled/unbelled
- * Width/thickness
- * Contact length
- * Special shaping
- * Bent at angle°

High Ampacity Requirements



Flexible Copper Braid Jumper 1-Hole Ferrule End

Type B 1-Hole Ferrule End

Flexible copper braid jumpers designed to take up linear expansion and contraction, compensate for misalignment and absorb vibratory movement of electrical equipment and devices. Made of flat extra flexible tinned pure copper braid with high quality BURNDY ferrules on each end. Other lengths, plating and connector sizes are available; contact BURNDY for more information.



Catalog Number	AWG Equivalent	Length (inches)	End Type	Stud Hole	Approximate Ampere Rating	
					Indoor	Outdoor
BB024L6T14*	#6 AWG	6.00	Ferrule	1/4	75	100
BB024L9T14*	#6 AWG	9.00	Ferrule	1/4	75	100
BB036L9T14*	#5 AWG	9.00	Ferrule	1/4	85	125
BB036L12T14*	#5 AWG	12.00	Ferrule	1/4	85	125
BB036L18T14*	#5 AWG	18.00	Ferrule	1/4	85	125
BB048L6T14*	#4 AWG	6.00	Ferrule	1/4	95	150
BB048L9T14*	#4 AWG	9.00	Ferrule	1/4	95	150
BB067L6T14	#2 AWG	6.00	Ferrule	1/4	110	180
BB067L9T14	#2 AWG	9.00	Ferrule	1/4	110	180
BD6T14	#1 AWG	6.00	Ferrule	1/4	190	225
BD9T14	#1 AWG	9.00	Ferrule	1/4	190	225
BE12T716	3/0 AWG	12.00	Ferrule	7/16	340	405
BE18T716	3/0 AWG	18.00	Ferrule	7/16	340	405
BE12T58	3/0 AWG	12.00	Ferrule	5/8	340	405
BE18T58	3/0 AWG	18.00	Ferrule	5/8	340	405
BE24T58	3/0 AWG	24.00	Ferrule	5/8	340	405
BE6T716	3/0 AWG	6.00	Ferrule	7/16	340	405
BF6T716	4/0 AWG	6.00	Ferrule	7/16	360	430
BF12T716	4/0 AWG	12.00	Ferrule	7/16	360	430
BF18T716	4/0 AWG	18.00	Ferrule	7/16	360	430
BG6T716	300 kcmil	6.00	Ferrule	7/16	415	495
BG8T716	300 kcmil	8.00	Ferrule	7/16	415	495
BG12T716	300 kcmil	12.00	Ferrule	7/16	415	495
BG12T12	300 kcmil	12.00	Ferrule	1/2	415	495

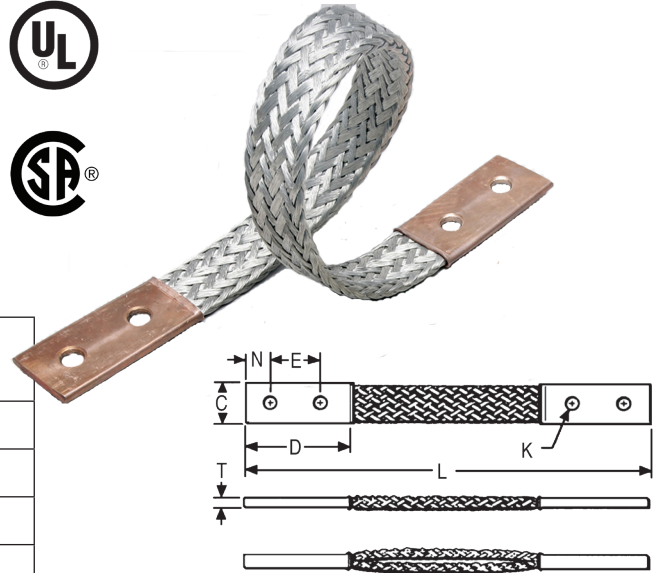
* Not CSA Certified

Flexible Copper Braid 2-Hole Ferrule End

Type B 2-Hole Ferrule End

Flexible copper braid jumpers designed to take up linear expansion and contraction, compensate for misalignment and absorb vibratory movement of electrical equipment and devices.

Made of flat extra flexible, tinned, pure copper braid, with unplated, seamless, pure copper ferrules formed into a rectangular shape on each end.



Last two numbers in catalog number indicate total length of braid in inches (e.g., BD12N or BD12 is 12" long braid jumper).

Other lengths, plating and drilling are available. Contact the factory.

Catalog # Prefix	Equiv. AWG Size
BD	#1
BE	3/0
BF	4/0
BG	300 kcmil

Catalog Number	Number of Braids in Ferrules	C	D	E	K	L	N	T	Approximate Ampere Rating	
									Indoor	Outdoor
BD12②	1	0.94	2.50	1.25	0.44	12	0.62	0.13	190	225
BD12N②	1	0.94	3.00	1.75	0.56	12	0.62	0.13	190	225
BD18②	1	0.94	2.50	1.25	0.44	18	0.62	0.13	190	225
BD18N②	1	0.94	3.00	1.75	0.56	18	0.62	0.13	190	225
BD24②	1	0.94	2.50	1.25	0.44	24	0.62	0.13	190	225
BD24N②	1	0.94	3.00	1.75	0.56	24	0.62	0.13	190	225
BE12②	1	1.50	3.00	1.50	0.44	12	0.75	0.17	340	405
BE12N②	1	1.50	3.00	1.75	0.56	12	0.62	0.17	340	405
BE18②	1	1.50	3.00	1.50	0.44	18	0.75	0.17	340	405
BE18N②	1	1.50	3.00	1.75	0.56	18	0.62	0.17	340	405
BE24②	1	1.50	3.00	1.50	0.44	24	0.75	0.25	340	405
BE24N②	1	1.50	3.00	1.75	0.56	24	0.62	0.17	340	405
BF12②	1	1.19	3.00	1.50	0.44	12	0.75	0.25	360	430
BF12N②	1	1.19	3.00	1.75	0.55	12	0.62	0.25	360	430
BF18②	1	1.19	3.00	1.50	0.44	18	0.75	0.25	360	430
BF18N②	1	1.19	3.00	1.50	0.44	18	0.75	0.25	360	430
BF24②	1	1.19	3.00	1.50	0.44	24	0.75	0.25	360	430
BF24N②	1	1.19	3.00	1.75	0.56	24	0.62	0.25	360	430
BG12	1	1.50	3.00	1.50	0.44	12	0.75	0.25	415	495
BG12N①	1	1.50	3.00	1.75	0.56	12	0.62	0.25	415	495
BG18	1	1.50	3.00	1.50	0.44	18	0.75	0.25	415	495
BG18N①	1	1.50	3.00	1.75	0.56	18	0.62	0.25	415	495
BG24	1	1.50	3.00	1.50	0.44	24	0.75	0.25	415	495
BG24N①	1	1.50	3.00	1.75	0.56	24	0.62	0.25	415	495

NOTE:

Equivalent sizes may be designated by suffix letters representing variations in length, mounting configurations, pad size and finish. Contact factory for details.

For Tin plated ferrules add suffix -TN to the catalog number.

① Tongue drilled per (2) hole NEMA Standard

② Certified to CSA C22.2, No. 41 Grounding and Bonding Equipment Standards in addition to the UL467 Listing which all items above are Listed to.

Flexible Copper Braid Jumper 2-Hole Ferrule End

Type B (Continued)



Catalog Number	Number of Braids in Ferrules	C	D	E	K	L	N	T	Approximate Ampere Rating	
									Indoor	Outdoor
B2D12 ②	2	0.94	2.5	1.25	0.44	12	0.62	0.25	380	455
B2D12N ②	2	0.94	3.00	1.75	0.56	12	0.62	0.25	380	455
B2E12	2	1.62	3.00	1.50	0.44	12	0.75	0.25	530	635
B2E12N ①	2	1.62	3.00	1.75	0.56	12	0.62	0.25	530	635
B2F12	2	1.38	3.00	1.50	0.44	12	0.75	0.38	600	720
B2F12N ①	2	1.38	3.00	1.75	0.56	12	0.62	0.38	600	720
B2G12N ①	2	1.50	3.00	1.75	0.56	12	0.62	0.50	700	840
B3D12	3	1.19	2.50	1.25	0.44	12	0.62	0.25	470	560
B3D12N ②	3	1.19	3.00	1.75	0.56	12	0.62	0.25	470	560
B3E12	3	1.64	3.00	1.50	0.44	12	0.75	0.31	700	840
B3E12N ①	3	1.64	3.00	1.75	0.56	12	0.62	0.31	700	840
B3F12	3	1.44	3.00	1.50	0.44	12	0.75	0.56	820	980
B3F12N ①	3	1.44	3.00	1.75	0.56	12	0.62	0.56	820	980
B3G12	3	1.69	3.00	1.50	0.44	12	0.75	0.69	960	1150
B3G12N ①	3	1.69	3.00	1.75	0.56	12	0.62	0.69	960	1150
B4D12	4	1.19	2.50	1.25	0.44	12	0.62	0.32	600	720
B4D12N ①	4	1.19	3.00	1.75	0.56	12	0.62	0.32	600	720
B4E12	4	1.64	3.00	1.50	0.44	12	0.75	0.38	850	1020
B4E12N ①	4	1.64	3.00	1.75	0.56	12	0.62	0.38	850	1020
B4F12	4	1.50	3.00	1.50	0.44	12	0.75	0.78	1000	1200
B4F12N ①	4	1.50	3.00	1.75	0.56	12	0.62	0.78	1000	1200
B4G12N ①	4	1.69	3.00	1.75	0.56	12	0.62	0.94	1200	1440

NOTE:

Equivalent sizes may be designated by suffix letters representing variations in length, mounting configurations, pad size and finish. Contact factory for details.

For Tin plated ferrules add suffix -TN to the catalog number.

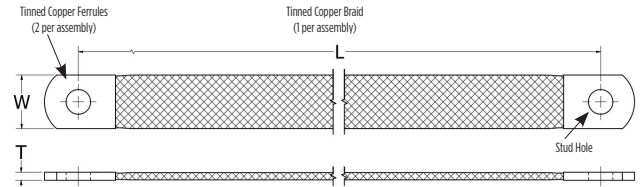
① Tongue drilled per (2) hole NEMA Standard

② Certified to CSA C22.2, No. 41 Grounding and Bonding Equipment Standards in addition to the UL467 Listing which all items above are Listed to.

Flexible Copper Braid 1-Hole Ferrule End

Type BB-ML-TN 1-Hole Ferrule End

One-hole extra flexible grounding and bonding braids are designed of flat tinned copper braid with a seamless tin-plated copper ferrule. Each ferrule is pressed into a solid mass to prevent moisture build up inside the connection to help mitigate corrosion issues seen in typical wire and lug jumpers. Additionally, the seamless copper ferrule end prevents fraying and provides extra strength for a robust bonding connection. Burndy one-hole grounding and bonding braids are a convenient solution for a long-lasting connection and are ideal in applications that require flexibility or resistance to vibration.



Features & Benefits



- cULus Listed to UL 467 and CSA22.2 NO. 41 for grounding and bonding
- Electro-tinned copper braids and ferrules for superior corrosion resistance
- Pressed seamless copper ferrules for added durability at the connection point
- Extra fine stranding provides enhanced flexibility
- Convenient single bolt installation
- Ready to install out of the box, no cutting or crimping required
- Ferrules clearly marked with BURNDY braid type and UL markings
- Available in custom lengths and holes sizes to suit all applications*

* Contact your local sales representative for custom lengths or hole sizes

Catalog Number	Braid Size			Dimensions (inches)			
	Approx. AWG	kcmil	Metric	W	T	Stud Size	L
BB019ML6T14TN	8	19	10mm ²	0.39	0.08	1/4	6
BB019ML9T14TN							9
BB019ML12T14TN							12
BB019ML18T14TN							18
BB019ML24T14TN							24
BB031ML6T14TN	6	31	16mm ²	0.59	0.09	1/4	6
BB031ML9T14TN							9
BB031ML12T14TN							12
BB031ML18T14TN							18
BB031ML24T14TN							24
BB031ML6T38TN	6	31	16mm ²	0.59	0.09	3/8	6
BB031ML9T38TN							9
BB031ML12T38TN							12
BB031ML18T38TN							18
BB031ML24T38TN							24
BB049ML6T14TN	4	49	25mm ²	0.91	0.13	1/4	6
BB049ML9T14TN							9
BB049ML12T14TN							12
BB049ML18T14TN							18
BB049ML24T14TN							24

For applications that require a flexible braid that is not listed in the catalog use the convention below:

BB099M L12 T38 TN
 1 2 3 4

1. Braid size, refer to **Table 1**.
2. Braid length, in inches (Dimension L); for lengths that require a decimal place use "D" in place of the decimal (ex. 12D50 = 12.5 inches).
3. Stud Size, refer to **Table 2**.
4. Plating type, refer to **Table 3**.

Table 1

Braid Size Identifier	Cross Section		
	Approx. AWG	kcmil	mm ²
BB019M	8	19	10
BB031M	6	31	16
BB049M	4	45	25
BB059M	3	59	30
BB069M	2	69	35
BB099M	1	99	50
BB139M	2/0	139	70
BB197M	3/0	197	100

Table 2

Stud Size Identifier	Stud Size
T10	#10
T14	1/4"
T516	5/16"
T38	3/8"
T716	7/16"
T12	1/2"
T58	5/8"
T34	3/4"

Table 3

Plating Identifier	Plating Type
TN	Electro-Tin
W	Tin Dip
NK	Nickel
SV	Silver

To order a custom braid please contact your local sales representative

See next page for additional standard sizes

Flexible Copper Braid Jumper 1-Hole Ferrule End

Type BB-ML-TN (Continued)

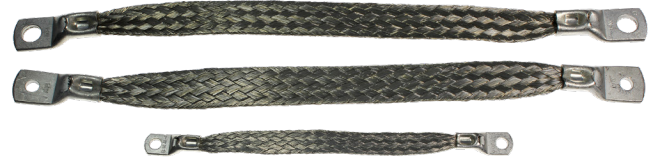


Catalog Number	Braid Size			Dimensions (inches)			
	Approx. AWG	kcmil	Metric	W	T	Stud Size	L
BB049ML6T38TN	4	49	25mm ²	0.91	0.13	3/8	6
BB049ML9T38TN							9
BB049ML12T38TN							12
BB049ML18T38TN							18
BB049ML24T38TN							24
BB059ML6T38TN	3	59	30mm ²	0.91	0.13	3/8	6
BB059ML9T38TN							9
BB059ML12T38TN							12
BB059ML18T38TN							18
BB059ML24T38TN							24
BB069ML6T38TN	2	69	35mm ²	0.91	0.13	3/8	6
BB069ML9T38TN							9
BB069ML12T38TN							12
BB069ML18T38TN							18
BB069ML24T38TN							24
BB099ML6T38TN	1	99	50mm ²	1.10	0.14	3/8	6
BB099ML9T38TN							9
BB099ML12T38TN							12
BB099ML18T38TN							18
BB099ML24T38TN							24
BB099ML9T12TN	1	99	50mm ²	1.10	0.14	1/2	9
BB099ML12T12TN							12
BB099ML18T12TN							18
BB099ML24T12TN							24
BB139ML12T38TN							2/0
BB139ML18T38TN	18						
BB139ML24T38TN	24						
BB139ML12T12TN	2/0	139	70mm ²	1.18	0.16	1/2	12
BB139ML18T12TN							18
BB139ML24T12TN							24
BB197ML12T38TN	3/0	197	100mm ²	1.57	0.19	3/8	12
BB197ML18T38TN							18
BB197ML24T38TN							24
BB197ML12T12TN	3/0	197	100mm ²	1.57	0.19	1/2	12
BB197ML18T12TN							18
BB197ML24T12TN							24

Flexible Copper Braid 1-Hole Connector End

Type BB-LT 1-Hole Connector End

Flexible copper braid jumpers designed to take up linear expansion and contraction, compensate for misalignment and absorb vibratory movement of electrical equipment and devices. Made of flat extra flexible tinned pure copper braid with high quality BURNDY tin plated connectors on each end. Other lengths, plating and connector sizes are available; contact BURNDY for more information.

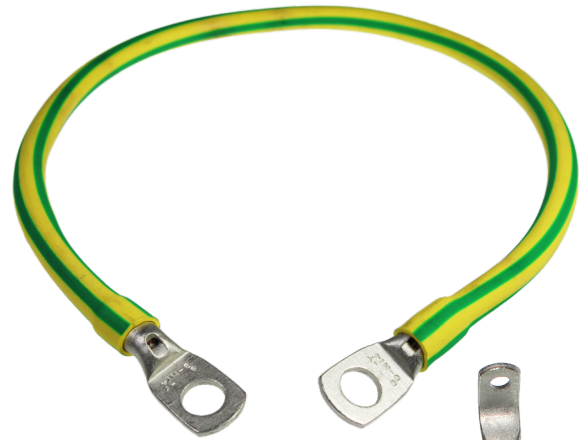


Catalog Number	AWG Equivalent	Length (inches)	End Type	Stud Hole
BB024L8LT14	#6 AWG	8.00	Connector	1/4
BB024L12LT14	#6 AWG	12.00	Connector	1/4
BB024L18LT14	#6 AWG	18.00	Connector	1/4
BB024L24LT14	#6 AWG	24.00	Connector	1/4
BB048L12LT14	#4 AWG	12.00	Connector	1/4
BB048L18LT14	#4 AWG	18.00	Connector	1/4
BB048L24LT14	#4 AWG	24.00	Connector	1/4
BB048L12LT38	#4 AWG	12.00	Connector	3/8
BB048L18LT38	#4 AWG	18.00	Connector	3/8
BB048L24LT38	#4 AWG	24.00	Connector	3/8
BB048L12LT12	#4 AWG	12.00	Connector	1/2
BB048L18LT12	#4 AWG	18.00	Connector	1/2
BB048L24LT12	#4 AWG	24.00	Connector	1/2

Covered Flexible Copper Braid Jumper Types CCY, B-B

Types CCY, B-B Covered Jumpers

Insulated flexible copper braid jumpers designed to take up linear expansion and contraction, compensate for misalignment and absorb vibratory movement of electrical equipment and devices. Made of extra flexible tinned pure copper braid with high quality BURNDY tin plated connectors or ferrules on each end. Other lengths, plating, insulation colors and connector sizes are available; contact BURNDY for more information.

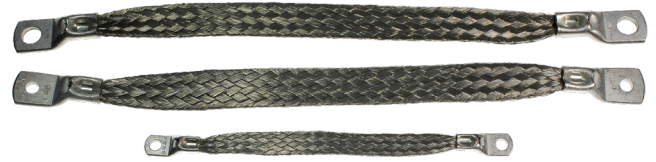


Catalog Number	AWG Equivalent	Length (inches)	End Type	Stud Hole	Heat Shrink Color			
CCY106LT12G	#10 AWG	6.00	Connector	1/2	Green			
CCY10L9T12G		9.00		1/2				
CCY10L12T12G		12.00		1/2				
CCY10L18T12G		18.00		1/2				
CCY10L24T12G		24.00		1/2				
CCY10L12LT1090G		12.00		#8-#10		#8-#10		
CCY10L18LT1090G		18.00		#8-#10				
CCY10L24LT1090G		24.00		#8-#10				
CCY10L6LT38G		6.00		3/8		3/8		
CCY10L9LT38G		9.00		3/8				
CCY10L12LT38G		12.00		3/8				
CCY10L18LT38G		18.00		3/8				
CCY10L24LT38G		24.00		3/8				
CCY10L7T14GY		#10 AWG		7.00			Connector	1/4
CCY10L9T14GY				9.00		1/4		
CCY10L12LT14GY				12.00		1/4		
CCY10L14LT14GY	14.00		1/4					
CCY10L18LT14GY	18.00		1/4					
BB024L12LT14B	#6 AWG	12.00	Connector	1/4	Black			
BB024L18LT14B		18.00		1/4				
BB024L24LT14B		24.00		1/4				
BD12NB	#1 AWG	12.00	Ferrule	2 hole NEMA				
BD18NB		18.00		2 hole NEMA				
BD24NB		24.00		2 hole NEMA				

Stainless Steel Braid Type BB-SS

Type BB-SS Stainless Steel Braid

Flexible stainless steel braid jumpers designed to take up linear expansion and contraction, compensate for misalignment and absorb vibratory movement of electrical equipment and devices. Made of flat extra flexible stainless steel braid with high quality BURNDY tin plated connectors or ferrules on each end. Other lengths, plating and connector sizes are available; contact BURNDY for more information.

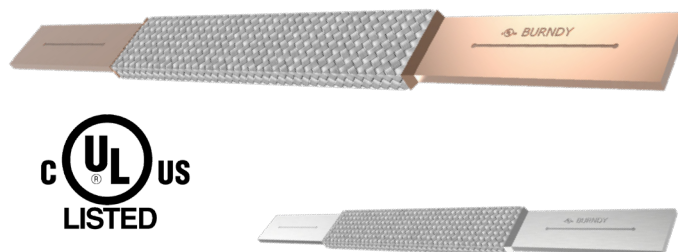


Catalog Number	AWG Equivalent	Length (inches)	End Type	Stud Hole
BB024SSL6LT516	#6 AWG	6.00	Connector	5/16
BB024SSL9LT516		9.00		5/16
BB024SSL12LT516		12.00		5/16
BB024SSL6LT38		6.00		3/8
BB024SSL9LT38		9.00		3/8
BB024SSL12LT38		12.00		3/8
BB024SSL6LT14		6.00		1/4
BB024SSL9LT14		9.00		1/4
BB024SSL12LT14		12.00		1/4
BB024SSL6T14		6.00	Ferrule	1/4

Flexible Copper Braid Jumper; Undrilled Ferrules Type B

Type B Undrilled Ferrules

Undrilled seamless pure copper ferrules are supplied with scored lines and dimples. Scored lines locate the center of the ferrule and prevent the drill from walking when drilling in this area. Dimples at the end of the scored lines represent the location of the NEMA standard hole spacing. Drill the holes you need, where you need them, using the supplied guide and the cULus Listing is retained. BURNDY undrilled braids offer a field flexible solution for almost any application!



* Add TN to the end of catalog number for tinplated ferrules

Features & Benefits

- cULus **before** drilling – cULus **after** drilling!
- Designed for unparallel field flexibility allowing custom ferrule drilling for specific applications while maintaining UL Listing
- Undrilled seamless pure copper ferrules supplied with scored lines and 'dimples' at the end representing the location of the NEMA standard hole spacing
- Scored lines locate the center of ferrule and prevent the drill from walking when drilling in this area
- Flexible copper braid jumpers take up linear expansion and contraction to compensate for movement of electrical equipment and devices

Catalog Number	AWG Equivalent	Length (inches)	Ferrule Width (inches)	Approximate Ampere Rating	
				Indoor	Outdoor
BD12N2U	#1 AWG	12"	.94	190	225
BD18N2U	#1 AWG	18"	.94	190	225
BD24N2U	#1 AWG	24"	.94	190	225
BD36N2U	#1 AWG	36"	.94	190	225
BE12N2U	3/0 AWG	12"	1.50	340	405
BE18N2U	3/0 AWG	18"	1.50	340	405
BE24N2U	3/0 AWG	24"	1.50	340	405
BE36N2U	3/0 AWG	36"	1.50	340	405
BF12N2U	4/0 AWG	12"	1.19	360	430
BF18N2U	4/0 AWG	18"	1.19	360	430
BF24N2U	4/0 AWG	24"	1.19	360	430
BF36N2U	4/0 AWG	36"	1.19	360	430
BG12N2U	300 kcmil	12"	1.50	415	495
BG18N2U	300 kcmil	18"	1.50	415	495
BG24N2U	300 kcmil	24"	1.50	415	495
BG36N2U	300 kcmil	36"	1.50	415	495

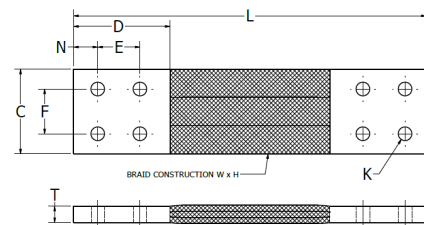
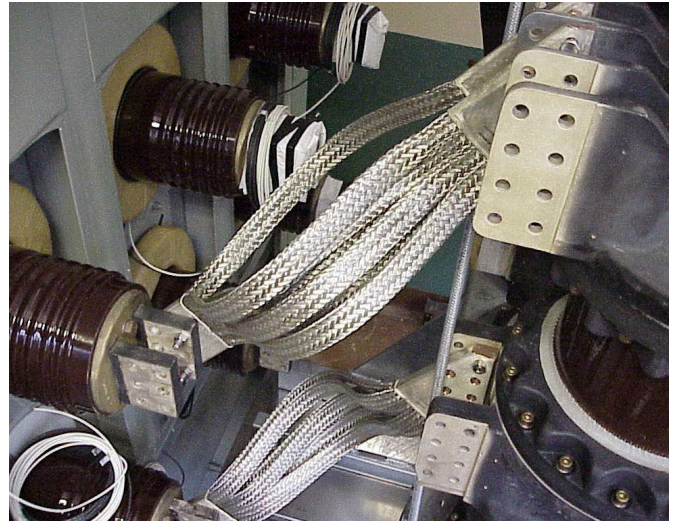
* Add TN to the end of catalog number for tin plated ferrules

4-hole NEMA Braid Type B-4N

Type B-4N, For use in Power Distribution Applications Braid with 4-hole NEMA Pad

Designed with a large cross sectional area and stacked layers of flexible braid material, these braids can accommodate high current applications. These braids are often found in substation applications, where they are used as a flexible connection between two rigid bus lengths. Braids are commonly used in applications where thermal expansion and contraction between rigid parts exist, components are misaligned, and in environments that have frequent vibration or shock.

Due to different stranding size and orientation, braid has been found to have a greater amperage rating when compared to typical conductors ratings set forth by the National Electric Code (NEC). The finer stranding in our braid, with more air pockets, allows for better heat dissipation with more surface area exposed to ambient air. Our ferrule-style braids offer a heavy duty contact area for more rigorous grounding and power applications.



Catalog Number	L	C	D	E	F	K	T	N	Braid Construction (W X H)	Cross Sectional Area		Approx. Ampere Rating *		
										kcmil	mm ²	Δ 30°C	Δ 45°C	Δ 60°C
B22F184N	18	3	3	1.75	1.75	0.56	0.44	0.63	2 x 2	921	467	945	1135	1290
B22F244N	24													
B22F364N	36													
B22G184N	18	3	3	1.75	1.75	0.56	0.56	0.63	2 x 2	1228	622	1165	1400	1585
B22G244N	24													
B22G364N	36													
B23F184N	18	3	3	1.75	1.75	0.56	0.62	0.63	2 x 3	1382	700	1230	1475	1670
B23F244N	24													
B23F364N	36													
B23G184N	18	3	3	1.75	1.75	0.56	0.65	0.63	2 x 3	1843	934	1520	1825	2065
B23G244N	24													
B23G364N	36													
B24F184N	18	3	3	1.75	1.75	0.56	0.65	0.63	2 x 4	1843	934	1495	1795	2035
B24F244N	24													
B24F364N	36													
B24G184N	18	3	3	1.75	1.75	0.56	0.70	0.63	2 x 4	2457	1245	1865	2235	2530
B24G244N	24													
B24G364N	36													

*Approximate ampere ratings are calculated values based on a free air environment with a 30°C ambient temperature. These ratings are approximate and vary with ambient conditions, orientation of the braid, and other service conditions.

Add -TN suffix for tin-plated ferrules

All shown have pad drilled per 4-hole NEMA standard. Other lengths, pad sizes, hole patterns and finishes are available. Please contact the factory for details.

4-hole NEMA Braid Type B-4N

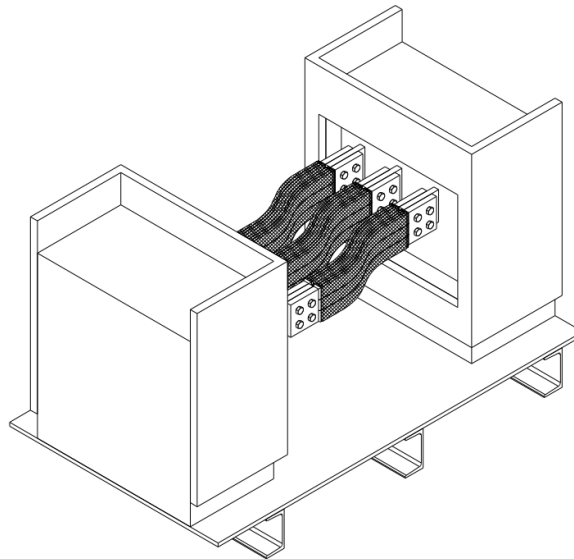
Type B-4N (Continued)

Catalog Number	L	C	D	E	F	K	T	N	Braid Construction (W X H)	Cross Sectional Area		Approx. Ampere Rating *		
										kcmil	mm ²	Δ 30°C	Δ 45°C	Δ 60°C
B32F184N	18	4	4	1.75	1.75	0.56	0.50	1.12	3 x 2	1382	700	1330	1595	1810
B32F244N	24													
B32F364N	36													
B32G184N	18	4	4	1.75	1.75	0.56	0.56	1.12	3 x 2	1843	934	1635	1965	2220
B32G244N	24													
B32G364N	36													
B33F184N	18	4	4	1.75	1.75	0.56	0.65	1.12	3 x 3	2073	1050	1720	2065	2335
B33F244N	24													
B33F364N	36													
B33G184N	18	4	4	1.75	1.75	0.56	0.87	1.12	3 x 3	2764	1401	2045	2455	2775
B33G244N	24													
B33G364N	36													

*Approximate ampere ratings are calculated values based on a free air environment with a 30°C ambient temperature. These ratings are approximate and vary with ambient conditions, orientation of the braid, and other service conditions.

Add -TN suffix for tin-plated ferrules

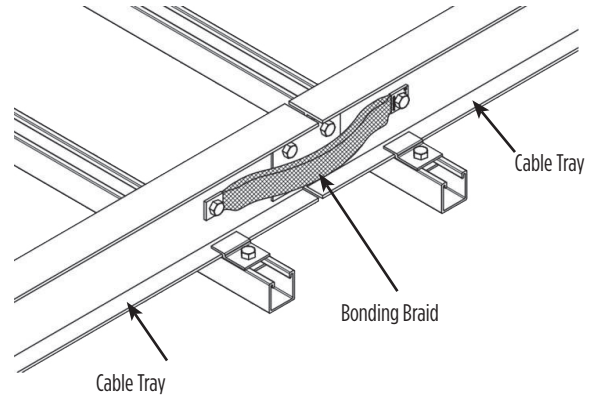
All shown have pad drilled per 4-hole NEMA standard. Other lengths, pad sizes, hole patterns and finishes are available. Please contact the factory for details.



Cable Tray Bonding Straps

BURNDY Cable Tray Bonding Straps are used to create an electrical bonding connection between two sections of cable tray to ensure a continuous path to ground.

NEC Article 250.96 requires all metallic cable trays to be grounding regardless of whether or not the cable tray is being used as an equipment grounding conductor (EGC).



Minimum Size Equipment Grounding Conductors for Grounding Raceway and Equipment (excerpt of NEC Table 250.122)		
Rating or Setting of Automatic Overcurrent Device in Circuit Ahead of Equipment, Conduit, etc., Not Exceeding (Amperes)	Size (AWG or kcmil)	
	Copper	Aluminum or Copper-Clad Aluminum*
200	6	4
300	4	2
400	3	1
500	2	1/0
600	1	2/0
800	1/0	3/0
1000	2/0	4/0
1200	3/0	250
1600	4/0	350
2000	250	400

NOTE: Where necessary to comply with 250.4(A)(5) or (B)(4), the equipment grounding conductor shall be sized larger than given in this table.

*See installation restrictions in 250.120

BURNDY Cable Tray Bonding Straps					
Catalog Number	Overcurrent Protection Device Rating (Amperes)	** AWG Size or Equivalent	** Length (inches)	** Stud Size	Type †
BB049ML12T38TN	300	#4	12	3/8"	Braid
BB069ML12T38TN	500	#2	12	3/8"	Braid
BB099ML12T38TN	600	#1	12	3/8"	Braid
CY1CL14D50LT38	600	#1	14.5	3/8"	Jumper
BB139ML12T38TN	1000	2/0	12	3/8"	Braid
BB197ML12T38TN	1200	3/0	12	3/8"	Braid
BF12T716	1600	4/0	12	7/16"	Braid
BG12T12	2000	250 kcmil	12	1/2"	Braid

**Other lengths, hole sizes, and AWG sizes or equivalents may be available, contact Customer Service

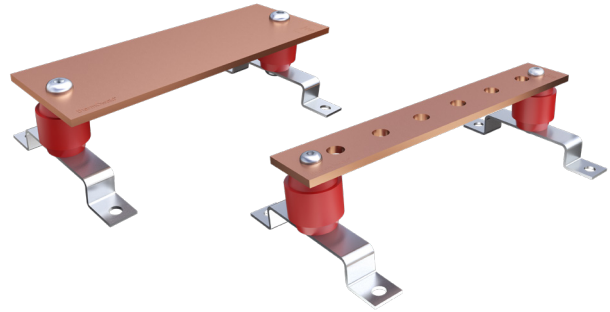
† Jumpers are manufactured using stranded bare copper code conductor with BURNDY UL Listed compression connectors on each end;

Braid is manufactured of tinned, pure copper wire woven and flattened into rectangular shape for greater flexibility; ends of braids feature seamless copper ferrules.

Bus or Ground Bars Numbering System

Bus or Ground Bars Copper, Tinned Copper, Stainless Steel

cULus Listed bus or ground bars are available in a wide variety of configurations: Hole and slot patterns, unplated copper, tin plated or stainless steel. These bars are available with or without brackets and insulators, Plexiglass cover is also available.



Bus or Ground Bar Numbering System

Below is a guide on how to understand the ground bar numbering system. Each character of the catalog number represents specific details of our bars.

Please note that other sizes, materials, and options may be available.

Contact Customer Service or your local sales representative for more information.



Bar Types Codes
CB: Plain Copper
TCB: Tinned Copper
SCB: Silver Plated Copper
SSB: Stainless Steel
GSB: Galvanized Steel
Other materials may be available

Radius Corners
V: Radius Corners
 Blank - Standard Square Corners

Thickness
 Fractional thickness in inches of the bar
 example: 14 = 1/4"

Width
 Width of bar in inches

Length
 Length of bar in inches

Hole Pattern
 Requested hole pattern
 Blank if no holes desired

Pigtail Length
 (if required)
 See Chart for Pigtail Cable Length²

Leave blank if Pigtail is stranded or "L" for Solid

Assembly Type Codes:
K: Brackets & Insulators
B: Brackets Only
I: Insulators Only
C: Beam Clamps & Insulators
A: Brackets & Insulators with Anti-theft Bolts
P: Plexiglass Cover (Includes Brackets & Insulators)
T: TMGB Telecom Main Ground Bar Plexiglass Cover (Includes Brackets & Insulators)
M: MGB (Main Ground Bar) Plexiglass Cover (includes brackets and insulators)
U: Universal (Includes Brackets, Insulators, Beam Clamps and Drive-In Anchors)
FAA1: Plexiglass Cover (includes Brackets & Insulators) Main Ground Plate
FAA2: Plexiglass Cover (includes Brackets & Insulators) Supplemental Ground Plate
FAA3: Plexiglass Cover (includes Brackets & Insulators) Multipoint Ground Plate
FAA4: Plexiglass Cover (includes Brackets & Insulators) Single Point Ground Plate
 Blank for Nothing (Bar ONLY)

Tinned Pigtail (if required)
 Put T here for tinned
 Blank if not required

Pigtail (if required)
 See Pigtail Cable Size Chart¹

¹Pigtail Cable Size Chart

Pigtail #	Size
1	#6
2	#4
3	#250 kcmil
4	#2
5	#1
6	1/0
7	2/0
8	#500 kcmil
9	4/0

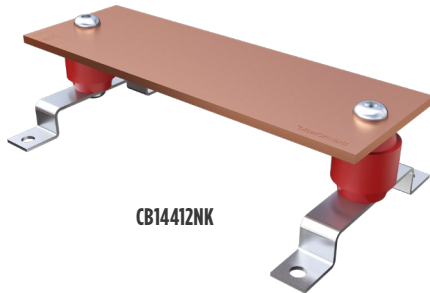
²Pigtail Cable Length Chart

Pigtail Length	Length in Feet*
A	2'
B	5'
C	10'
D	15'
E	20'
F	25'
G	30'
H	35'

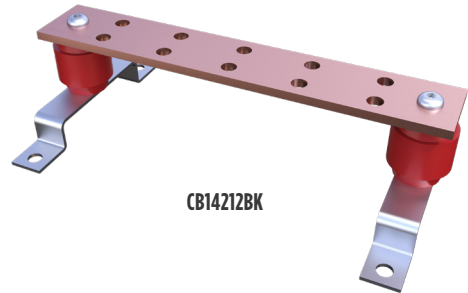
*Custom lengths available. Contact factory for more information

Bus or Ground Bars Copper, Tinned Copper, Stainless Steel

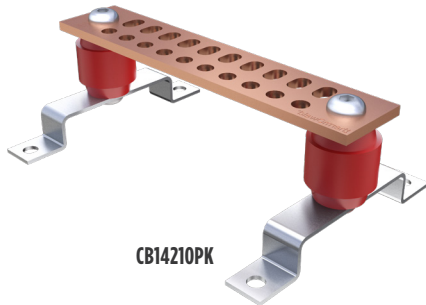
Bus or Ground Bars (Continued)



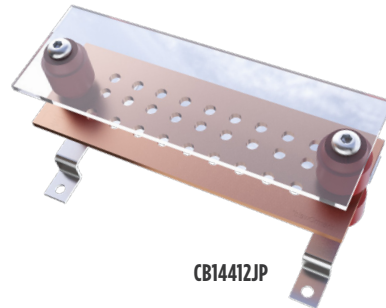
CB14412NK



CB14212BK



CB14210PK

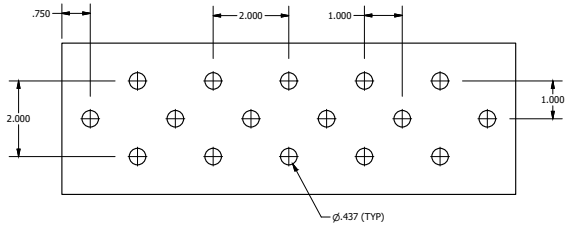


CB14412JP

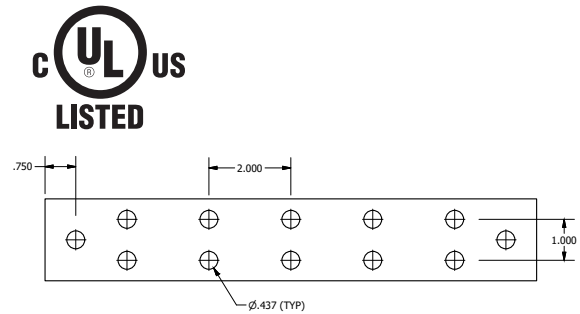
Catalog Number	Hole Pattern	Insulator & Bracket	Tinned	Bar Size	# of Holes
CB14412JK	J	Yes	No	1/4" x 4" x 12"	27
CB14412M	M	No	No	1/4" x 4" x 12"	48
CB14412MK	M	Yes	No	1/4" x 4" x 12"	48
CB14210P	P	No	No	1/4" x 2" x 10"	26
CB14210PK	P	Yes	No	1/4" x 2" x 10"	26
CB14212P	P	No	No	1/4" x 2" x 12"	26
CB1412PK	P	Yes	No	1/4" x 2" x 12"	26

Bus or Ground Bars Common Busbar Patterns

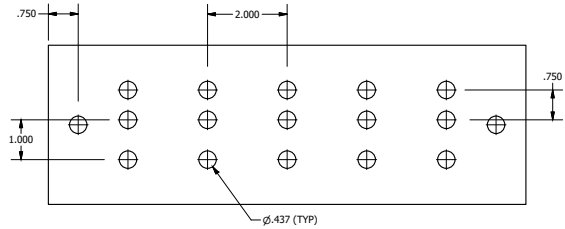
Bus or Ground Bars (Continued)



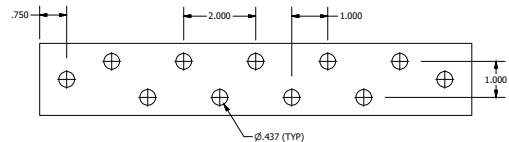
Pattern A



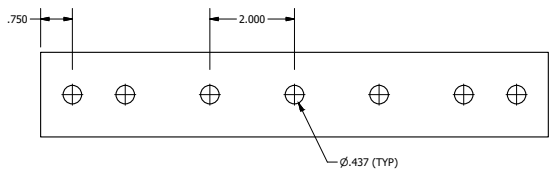
Pattern B



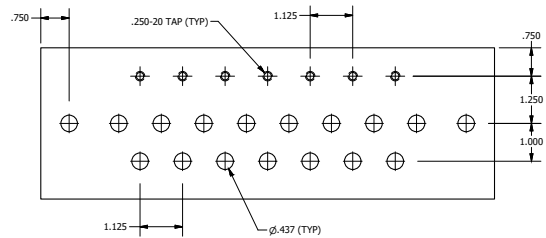
Pattern C



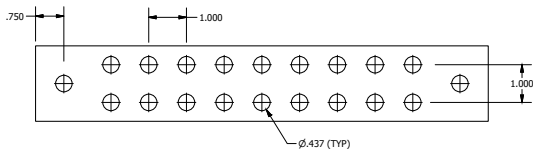
Pattern D



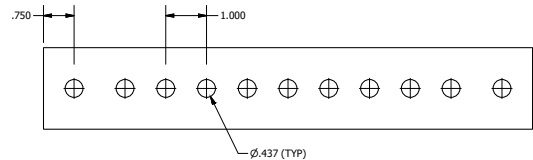
Pattern E



Pattern F



Pattern G



Pattern H

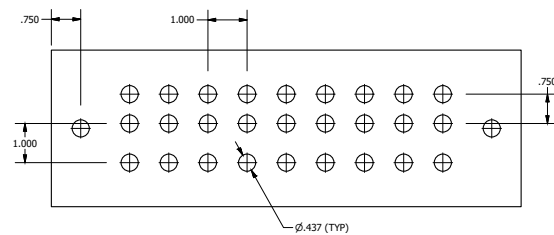
NOTES:

All holes are 7/16" unless specified differently. To order threaded holes, specify hole size; the standard tapped hole size is 1/4"-20 unless specified otherwise

Above bar patterns represent a 12" ground bar

All bars are available with tin plating

NEMA hole pattern ground bars start E-109

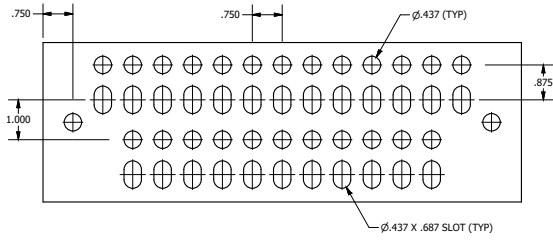


Pattern J

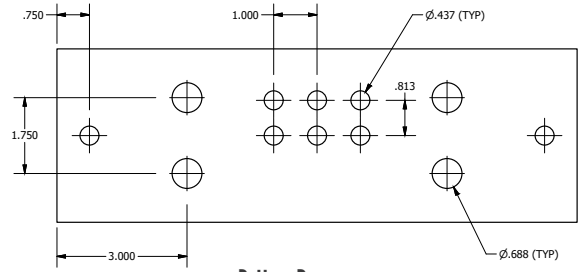


Bus or Ground Bars Common Busbar Patterns

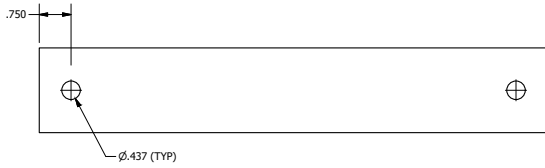
Bus or Ground Bars (Continued)



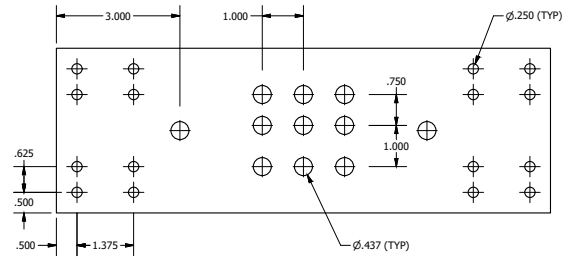
Pattern M



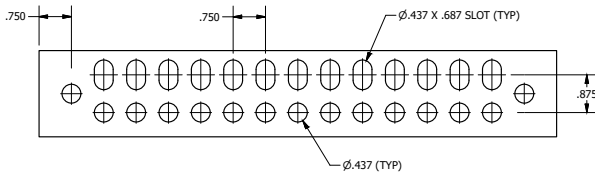
Pattern R



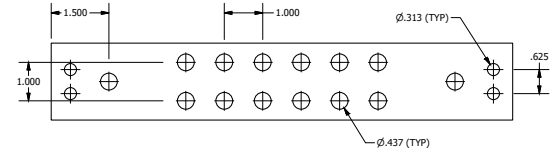
Pattern N



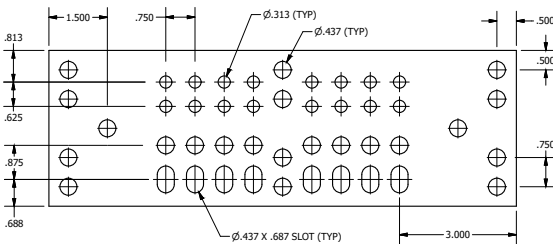
Pattern V



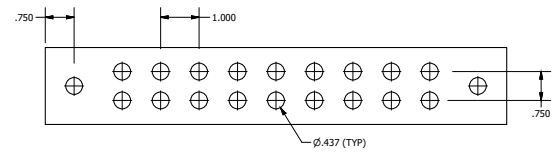
Pattern P



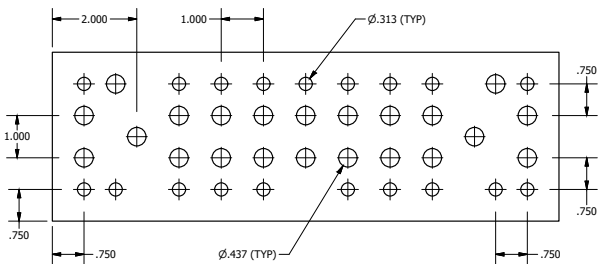
Pattern X



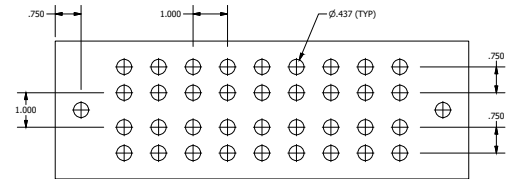
Pattern Q



Pattern Z



Pattern T



Pattern W

NOTES:

For telecom ground bars, see Pattern S on pages E-103 and E-104

Bus or Ground Bars S Pattern, 2" Telecom

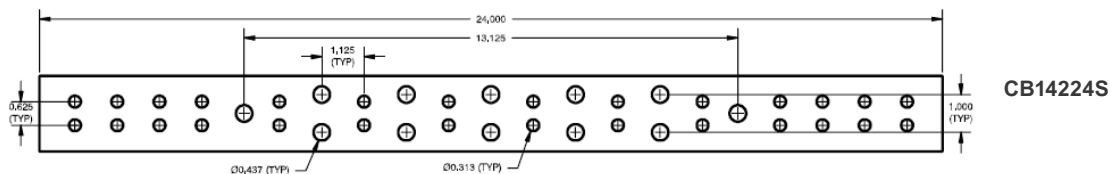
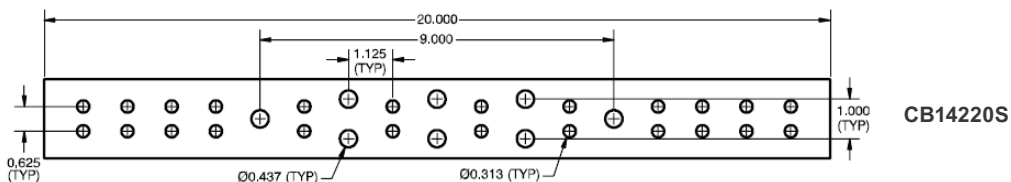
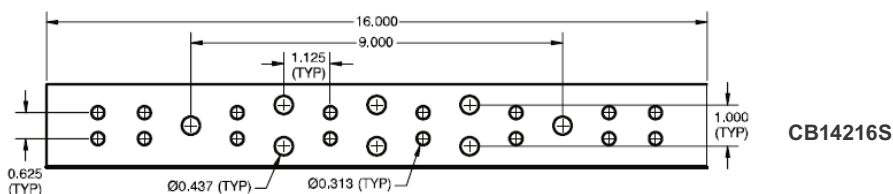
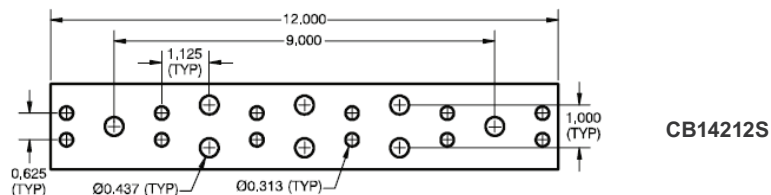
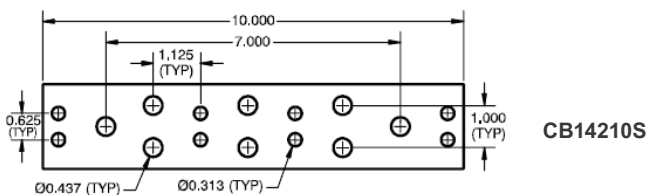
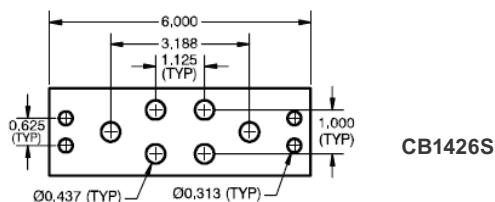
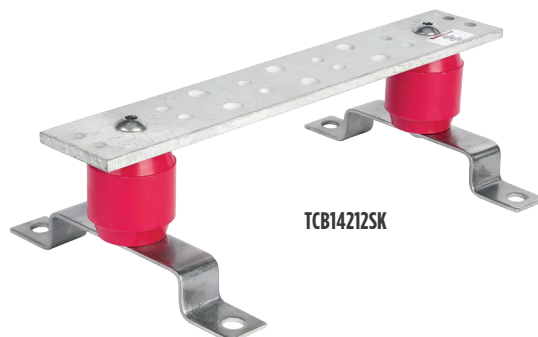
Bus or Ground Bars, S Pattern 2" Telecom Bus or Ground Bar

Catalog numbers as shown below are for the BAR ONLY; if you would like the kit (includes brackets and insulators) add K to the end of the catalog number (example shown to the right).



NOTE:

Small packed of anti-oxidant joint compound is included with each S Pattern bar



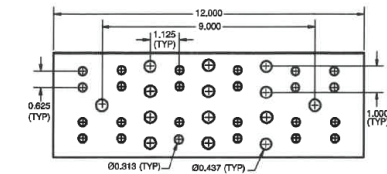
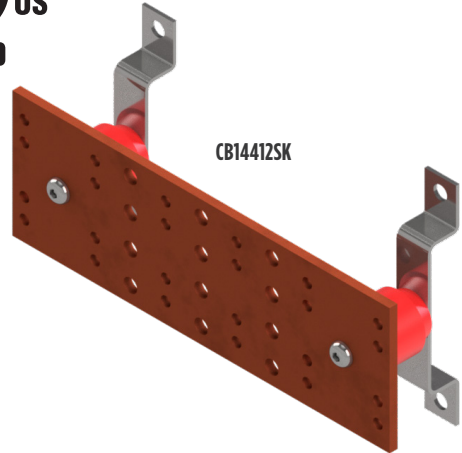
Bus or Ground Bars S Pattern, 4" Telecom

Bus or Ground Bars, S Pattern 4" Telecom Bus or Ground Bar

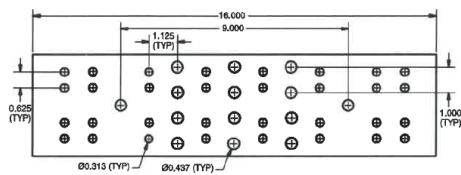
Catalog numbers as shown below are for the BAR ONLY; if you would like the kit (includes brackets and insulators) add K to the end of the catalog number (example shown to the right).

NOTE:

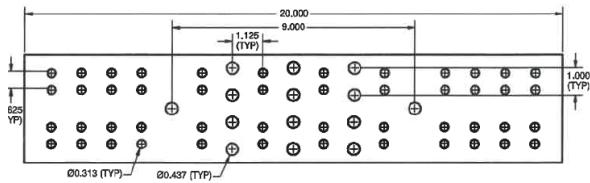
Small packed of anti-oxidant joint compound is included with each S Pattern bar



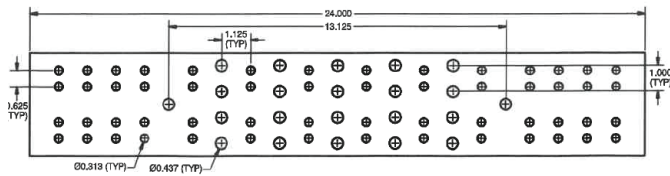
CB14412S



CB14416S



CB14420S



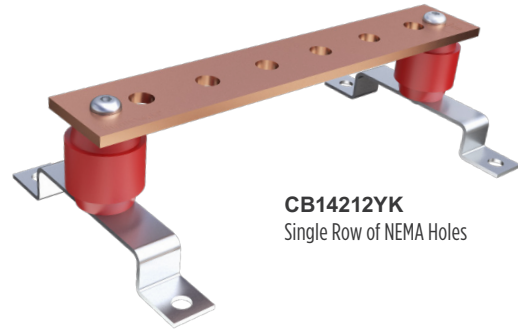
CB14424S

Bus or Ground Bars Y Pattern, NEMA Hole Pattern

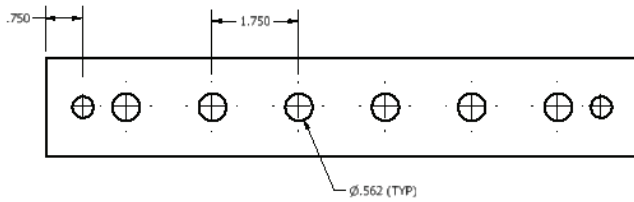
Bus or Ground Bars, Y Pattern NEMA Hole Pattern

Industry standard hole pattern in accordance with NEMA CC1 Standard.

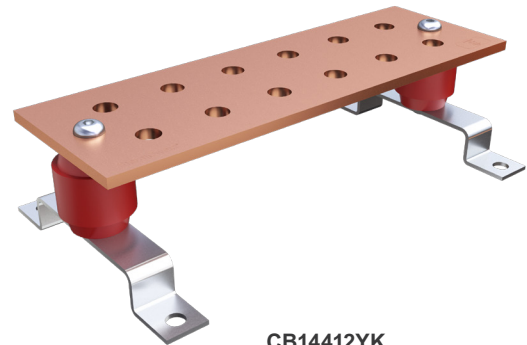
Add suffix *K* for insulators and brackets. Can be used with BURNDY® Lugs with NEMA pad drilling.



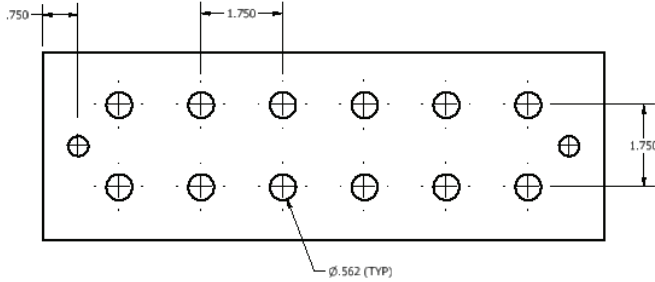
CB14212YK
Single Row of NEMA Holes



Pattern Y
Single Row of NEMA Holes



CB14412YK
Double row of NEMA holes



Pattern Y
Double row of NEMA holes
on bars 3" and wider

Bus or Ground Bars FAA Ground Plate Options

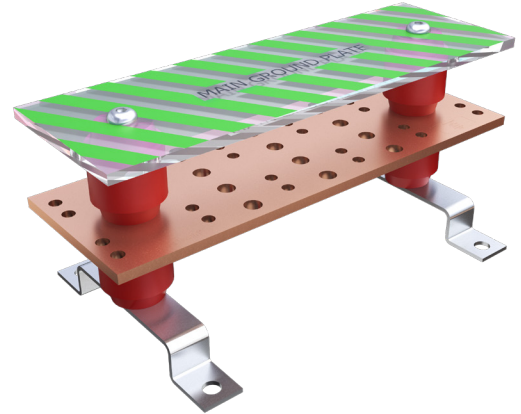
Bus or Ground Bars FAA Ground Plate Options

FAA suffixes (FAA1, FAA2, FAA3, FAA4, etc.) may be used with various sized bars and hole patterns.

FAA plexiglass label configurations are in accordance with the Department of Transportation Federal Aviation Administration Standard FAA-STD-019f.

NOTE:

Plexiglass text shall be 3/8" high black lettering in Arial font.



FAA1 = MAIN GROUND PLATE*
Alternating Green and Clear stripes



FAA2 = SUPPLEMENTAL GROUND PLATE*
Alternating Green and Clear stripes



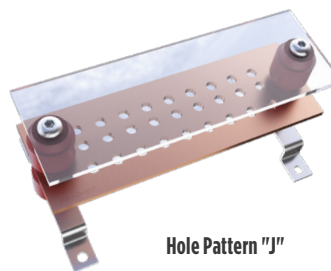
FAA3 = MULTIPOINT GROUND PLATE*
Alternating Green and Orange stripes



FAA4 = SINGLE POINT GROUND PLATE*
Alternating Green and Yellow stripes

Bus or Ground Bars Patterns J and M Ground Bars

Ground Bars Patterns J and M



Hole Pattern "J"

Pattern J				
Catalog Number	Description	Tinned	Bar Size	# of Holes
CB14412J	Bar Only	No	1/4" x 4" x 12"	27
TCB14412J		Yes	1/4" x 4" x 12"	27
CB14412JK	Bar with Insulators & Brackets	No	1/4" x 4" x 12"	27
TCB14412JK		Yes	1/4" x 4" x 12"	27
CB14420J	Bar Only	No	1/4" x 4" x 20"	51
TCB14420J		Yes	1/4" x 4" x 20"	51
CB14420JK	Bar with Insulators & Brackets	No	1/4" x 4" x 20"	51
TCB14420JK		Yes	1/4" x 4" x 20"	51
CB14424J	Bar Only	No	1/4" x 4" x 24"	63
TCB14424J		Yes	1/4" x 4" x 24"	63
CB14424JK	Bar with Insulators & Brackets	No	1/4" x 4" x 24"	63
TCB14424JK		Yes	1/4" x 4" x 24"	63

NOTES:

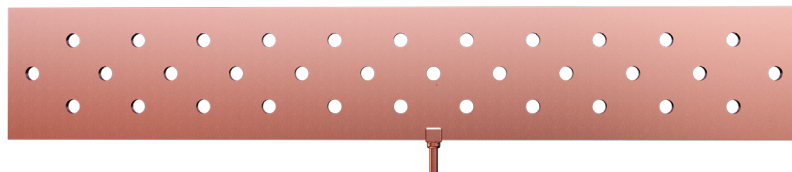
Mounting holes not included in # of Holes column

Accommodates 2-hole lugs spaced 3/4", 1", and 1-3/4" on center

12" bar pictured, holes are 7/16" diameter

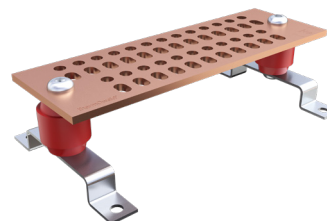
Bars available tin plated, with pigtails, tamper proof bolts, plexiglass cover

Other sizes available, contact sales for details



Ground Bar shown with Optional pigtail

M Pattern				
Catalog Number	Description	Tinned	Bar Size	# of Holes
CB14412M	Bar Only	No	1/4" x 4" x 12"	48
TCB14412M		Yes	1/4" x 4" x 12"	48
CB14412MK	Bar with Insulators & Brackets	No	1/4" x 4" x 12"	48
TCB14412MK		Yes	1/4" x 4" x 12"	48
CB14420M	Bar Only	No	1/4" x 4" x 20"	88
TCB14420M		Yes	1/4" x 4" x 20"	88
CB14420MK	Bar with Insulators & Brackets	No	1/4" x 4" x 20"	88
TCB14420MK		Yes	1/4" x 4" x 20"	88
CB14424M	Bar Only	No	1/4" x 4" x 24"	112
TCB14424M		Yes	1/4" x 4" x 24"	112
CB14424MK	Bar with Insulators & Brackets	No	1/4" x 4" x 24"	112
TCB14424MK		Yes	1/4" x 4" x 24"	112



Hole Pattern "M"

NOTES:

Mounting holes not included in # of Holes column

Accommodates 2-hole lugs spaced 3/4", and 1" on center

12" bar pictured, holes are 7/16" diameter, slots are 7/16" x 11/16"

Bars available tin plated, tamper proof bolts, plexiglass cover

Other sizes available, contact sales for details

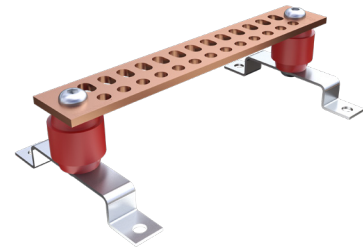
Bus or Ground Bars Pattern P Ground Bar, Insulators, Mounting Brackets



Ground Bars Pattern P Ground Bar, Standoff Insulators, Mounting Brackets

Pattern P

Catalog Number	Description	Tinned	Bar Size	# of Holes
CB14212P	Bar Only	No	1/4" x 4" x 12"	27
TCB14212P		Yes	1/4" x 4" x 12"	27
CB14212PK	Bar with Insulators & Brackets	No	1/4" x 4" x 12"	27
TCB14212PK		Yes	1/4" x 4" x 12"	27



Hole Pattern "P"

NOTES:

Mounting holes not included in # of Holes column

Accommodates 2-hole lugs spaced 3/4", and 1" on center

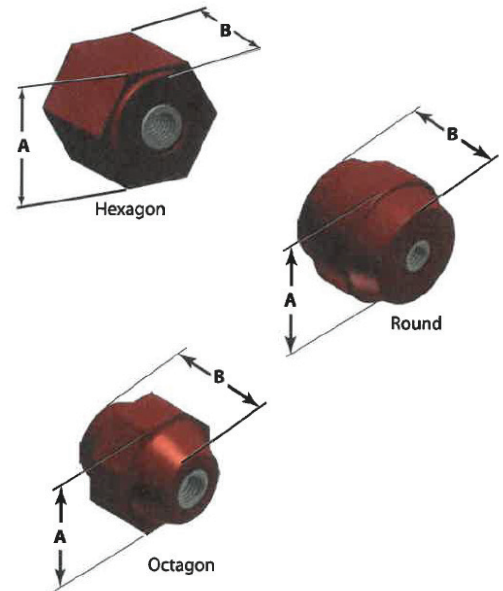
12" bar pictured, holes are 7/16" diameter, slots are 7/16" x 11/16"

Bars available tin plated, with pigtailed, tamper proof bolts, plexiglass cover

Other sizes available, contact sales for details

Standoff Insulators (Red)

Manufactured from glass reinforced thermoset polyester					
Catalog Number	A	B	Shape	Thread Size	Voltage Rating
38-6330-00	1"	1"	Hexagon	1/4"-20 x 5/16" AL	600
38-6330-01	1"	1-1/4"	Hexagon	1/4"-20 x 5/16" AL	600
38-6331-01	2"	1-1/2"	Octagon	1/4"-20 x 7/16" STL	1500
38-6333-00	1-3/4"	2"	Round	3/8"-16 x 9/16" STL	2300
38-6334-00	2"	2"	Octagon	1/2"-13 x 5/8" STL	2500
38-6334-01	2"	2"	Octagon	3/8"-16 x 9/16" STL	2500
38-7725-00	2"	2 1/4"	Octagon	3/8"-16 x 9/16" STL	2700
38-7725-01	2"	2-1/4"	Octagon	1/2"-13 x 5/8" STL	2700
38-6335-00	2-1/2"	2-5/8"	Octagon	5/8"-11 x 3/4" STL	3400



Mounting Brackets

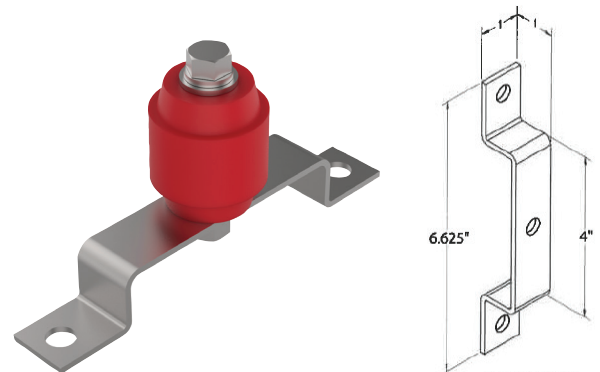
Catalog Number	Mounting Hole Size	H	Kit?
38-7230-00	7/16"	1"	Yes
38-7228-00	7/16"	1"	No

NOTES:

Manufactured from 304 Stainless Steel

Kit includes 2 of the assembly (pictured) plus the 3/8" hardware required to mount to a ground bar

Mounting Kit uses 38-6333-00 insulators (round)

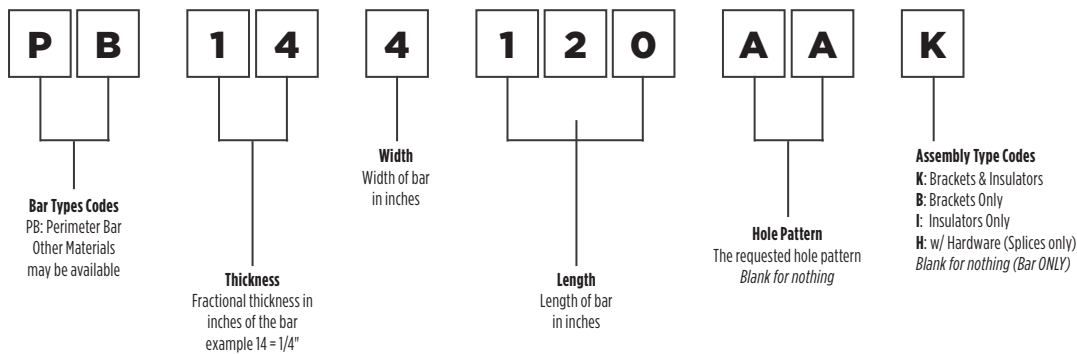


Perimeter Busbar Numbering System

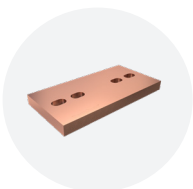
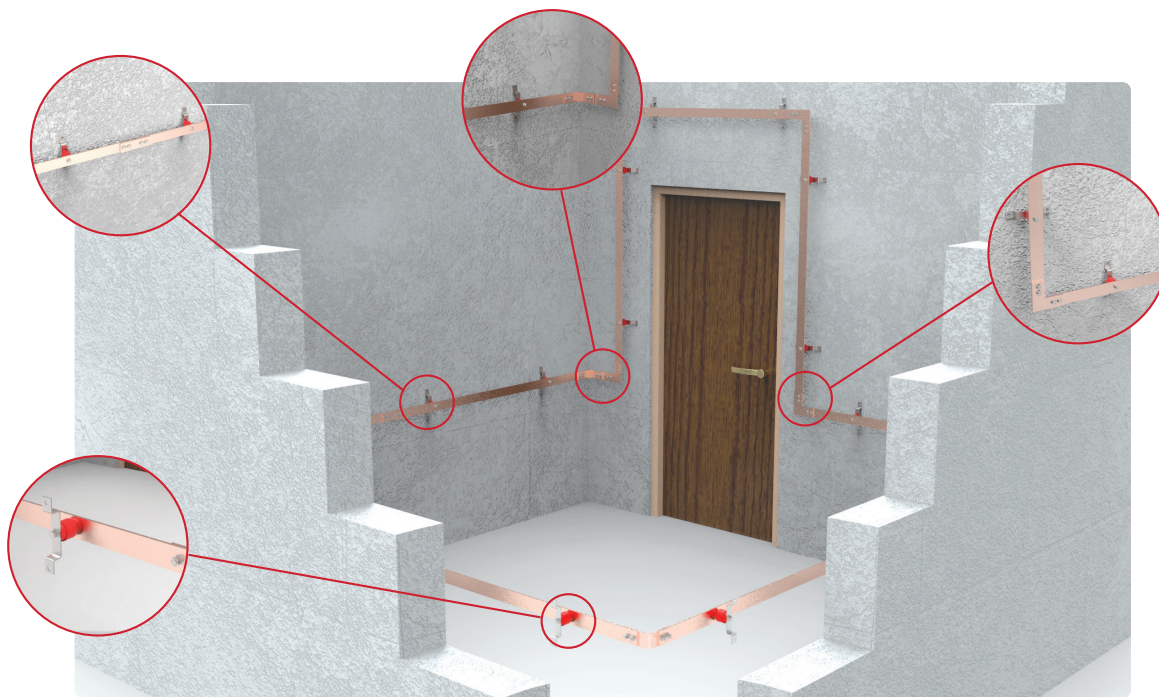


Perimeter Bar Numbering System

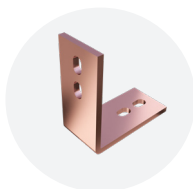
Below is a guide on how to understand the ground bar numbering system. Each character of the catalog number represents specific details of our bars. Please note that other sizes, materials, and options may be available. Contact Customer Service or your local sales representative for more information.



Radius Corners are available:
Please contact Customer Service



SPB Splice Plate



90SPB Splice Plate



PLB Splice Plate

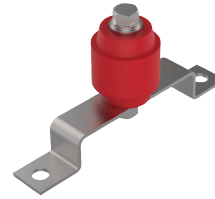


PPB Splice Plate

Perimeter Busbar NN and NNH Patterns (NNH includes hardware)

Perimeter Busbars NN and NNH Patterns

A perimeter busbar system is designed to terminate ground wires and cables from equipment and other devices within a structure. The system encompasses straight bars, elbows, splicers, insulators and mounting brackets. This versatile system is great for clean rooms, data centers and laboratories when designing around corners and doors.



38-7230-01

Single Mounting Assembly Set

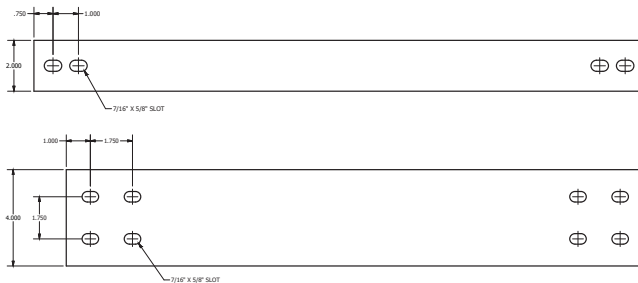
(1 insulator, bracket and hardware necessary for a single set)
Sold separately

Add suffix K to Perimeter Busbar Catalog Number to receive appropriate number of mounting assemblies depending on the length of the bar

Perimeter Busbar Splices	
Catalog Number	Description
SPB1426NN	2" SPB Splice Plate - does NOT include hardware
SPB1426NNH	2" SPB Splice Plate - DOES include hardware
SPB1449NN	4" SPB Splice Plate - does NOT include hardware
SPB1449NNH	4" SPB Splice Plate - DOES include hardware
90SPB1424NN	2" 90 Degree SPB Splice Plate - does NOT include hardware
90SPB1424NNH	2" 90 Degree SPB Splice Plate - DOES include hardware
90SPB1446NN	4" 90 Degree SPB Splice Plate - does NOT include hardware
90SPB1446NNH	4" 90 Degree SPB Splice Plate - DOES include hardware
PLB1425NN	2" L Shape PLB Splice Plate - does NOT include hardware
PLB1425NNH	2" L Shape PLB Splice Plate - DOES include hardware
PPB1448NN	4" PPB Splice Plate - does NOT include hardware
PPB1448NNH	4" PPB Splice Plate - DOES include hardware

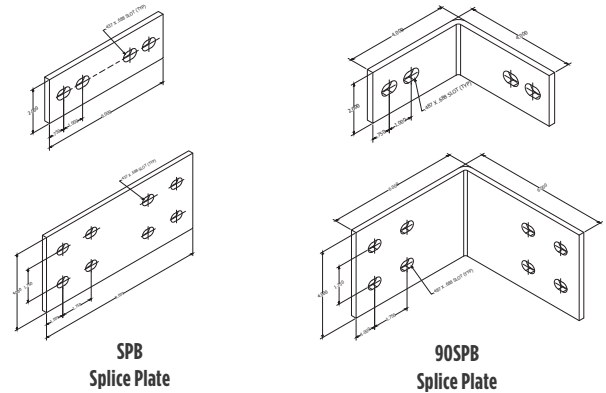
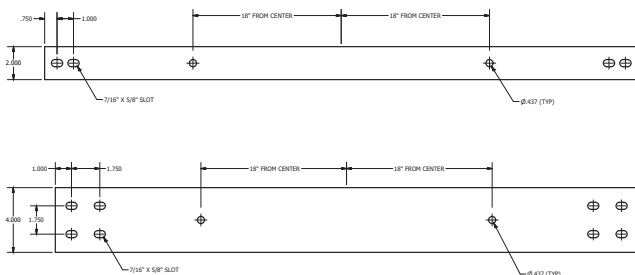
NN Pattern

No hole pattern except mounting holes.
Can be made to any length.



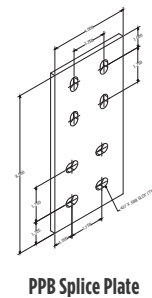
AA Pattern

Holes are spaced 36" apart, can be made to any length.

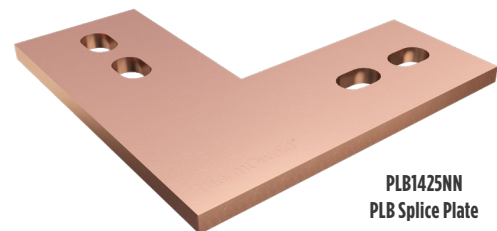


SPB Splice Plate

90SPB Splice Plate



PPB Splice Plate



PLB1425NN PLB Splice Plate

Type BBB Copper Busbar

Copper Busbar Type BBB

Bare copper busbar, UL Listed for grounding. Available in many sizes and hole patterns. Brackets and insulators included with most styles.

Also available in undrilled, horizontal and vertical versions. Busbar is used in a variety of applications. Can be used as a common ground point and "power" applications as well.

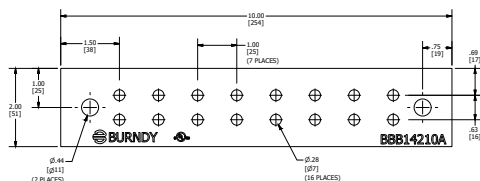
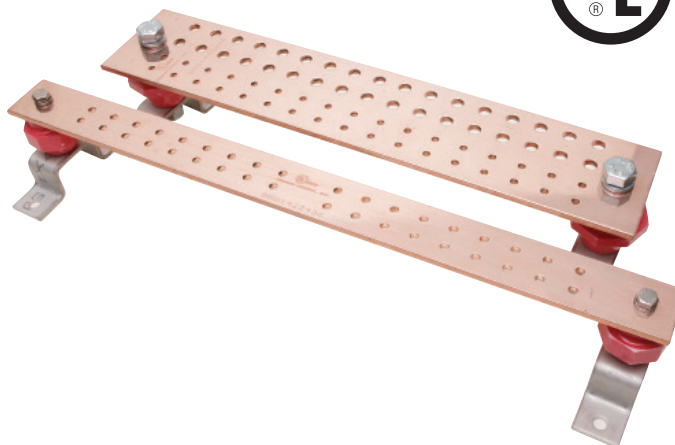


Figure 1

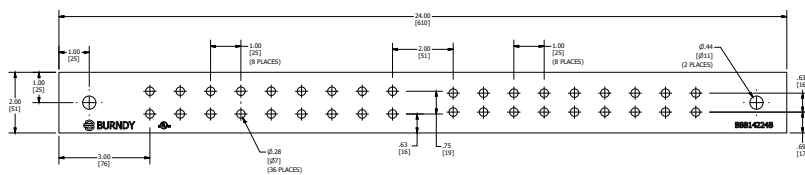


Figure 2

Catalog Number	Fig. No.	T - Bar Thickness	W - Bar Width	L - Bar Length	E1	E2	E3	F1	F2	No. of Holes	K
BBB14210A	1	1/4"	2 in	10"	0.63	—	—	1.00	—	16	0.28
BBB14224B	2	1/4"	2 in	24"	0.62	0.75	—	1.00	1.00	36	0.28
BBB14410C	3	1/4"	4 in	10"	0.75	1.00	—	1.25	—	22	0.44
BBB14410D	4	1/4"	4 in	10"	1.25	1.00	—	1.13	1.13	22	0.44
BBB14412E	5	1/4"	4 in	12"	0.75	1.00	—	2.00	1.25	18	0.44
BBB14412F	6	1/4"	4 in	12"	1.00	0.75	—	1.69	1.25	24	0.44
BBB14416G	7	1/4"	4 in	16"	0.75	1.00	—	1.69	—	24	0.44
BBB14416H	8	1/4"	4 in	16"	1.00	1.00	0.75	1.00	—	32	0.44
BBB14420J	9	1/4"	4 in	20"	1.00	1.00	0.75	—	—	68	0.44
BBB1412UD	—	1/4"	4 in	12"	N/A	N/A	N/A	N/A	N/A	0	—
BBB424UD	—	1/4"	4 in	24"	N/A	N/A	N/A	N/A	N/A	0	—
BBBHR19**	—	3/16"	3/4 in	19"	0.38	—	—	—	—	8	—
BBBVR36**	—	1/4"	5/8 in	36"	0.32	—	—	—	—	16	—

NOTES:

* Contact factory for custom sizes

***BBBHR19 and BBBVR36 do not include insulator and brackets.

To order Insulator & Brackets separately, use Catalog Number B38723000

Copper Busbars, Type BBB (Continued)

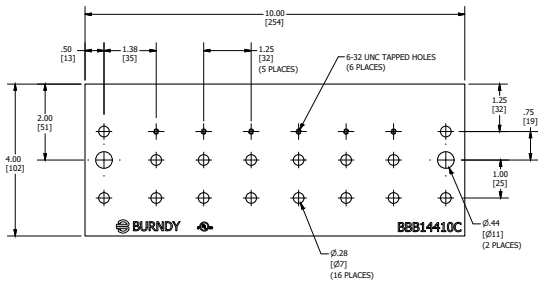


Figure 3

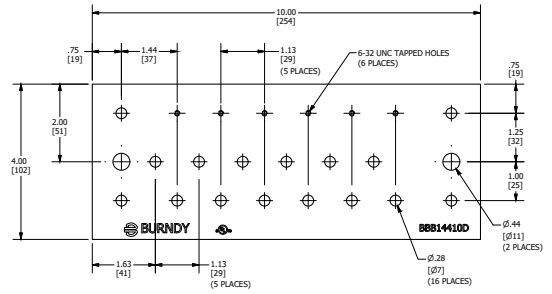


Figure 4

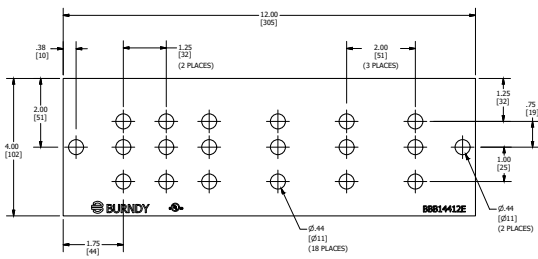


Figure 5

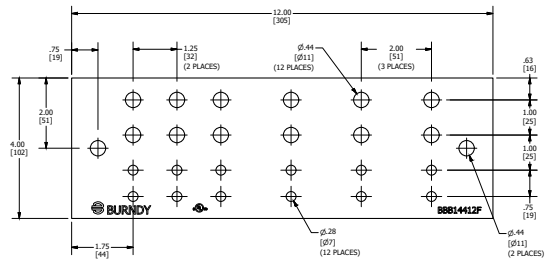


Figure 6

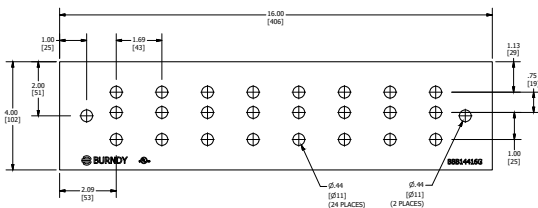


Figure 7

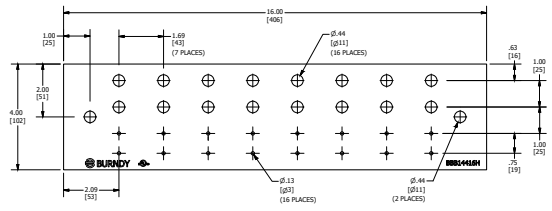


Figure 8

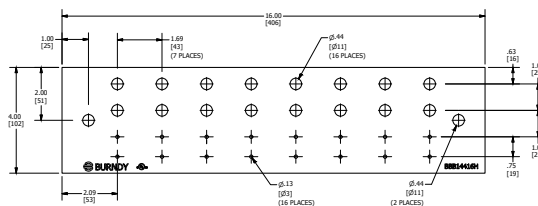


Figure 9

GRIDMAX[®], Personnel Safety Mats, Equipotential Bonding, Pool/Spa

BURNDY[®] GRIDMAX[®] Grounding, Personnel Safety Mats, Equipotential Bonding, Pool and Spa Grounding

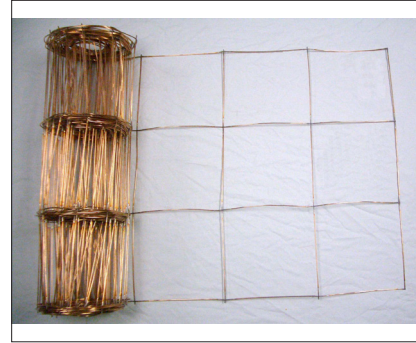
UL Listed Prefabricated Copper Ground Mesh

Prefabricated wire mesh is a simple and cost effective method of enhancing ground systems. Our Prefabricated wire mesh is used in the telecommunication industry to improve grounding and reduce electromagnetic interference. It is also used in power plants and sub-station facilities to reduce potential injury due to electrical discharge.

We manufacture our ground mesh from solid copper or copper clad steel wire. The wire size range from #10 AWG to #4 AWG. We offer ground mesh with no overhang and overlapping ends typical .

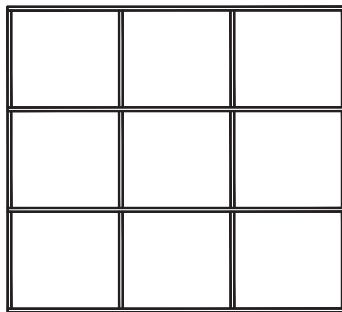
Otherwise known as:

Gradient Mesh:	Canadian Standards/US -Pipeline
Equipotential Mesh:	NEC - Swimming Pools
Personnel Safety Mat:	IEEE80
Ground Mesh:	UL467

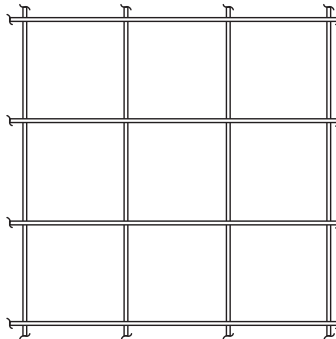


Overlapping Ends

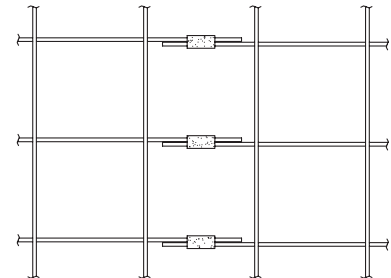
This configuration is designed to allow for side by side connections of adjoining mats; thus providing the easiest method of joining two mesh sections. Adding 2" to one half the conductor spacing provides the overlapping ends. For example, if the mesh size is 6" square, the overlapping end length is 5".



Without Overhang



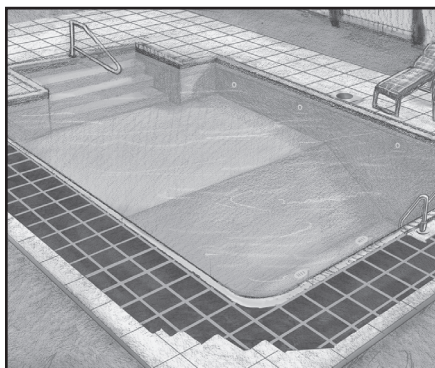
With Overhang



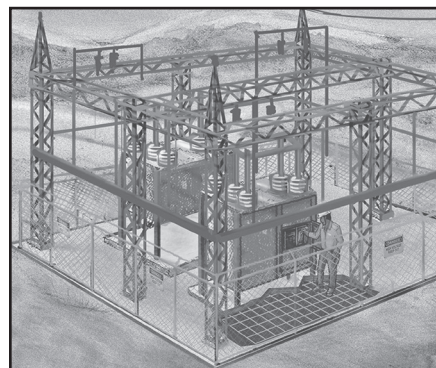
"Overlapping" ends

Features & Benefits

- Manufactured from bare solid copper
- Spaced on 4", 6", or 12" centers
- Copper to copper weld with 15% silver
- Furnished in section with lengths from 4' to 100'
- Easily and economically installed using thermOweld[®] exothermic process, HYGROUND[®] Compression system, or our full line of Mechanical connectors
- Sizes of GRIDMAX[®] specifically designed for the Pool and Spa market of 3' x 100' and 3' x 50', but can be used where any large area grounds are required



Example:
GRIDMAX[®]
3' wide in pool area



Example:
GRIDMAX[®]
Personnel Safety Mat

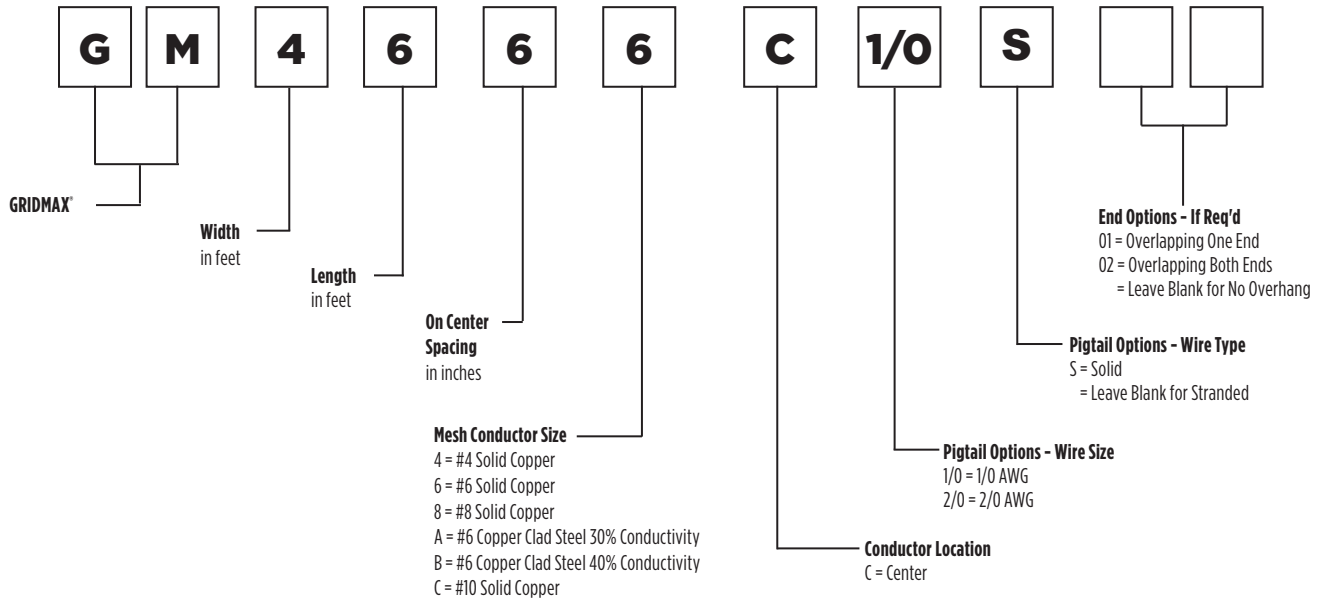
Personnel Safety Mats, Equipotential Bonding, Pool/Spa Grounding

BURNDY® GRIDMAX® Grounding Personnel Safety Mats, Equipotential Bonding, Pool and Spa Grounding

UL Listed Prefabricated Copper Ground Mesh



GRIDMAX® Ground Mesh Numbering System Example



Catalog Number	Description
GM466C1/0S	4' x 6' x 6" On Center - #6 Solid Copper - Center Conductor 1/0 Solid Pigtail
GM4666	4' x 6' x 6" On Center - #6 Solid Copper
GB468B	4' x 6' x 8" On Center - #6 Copper Clad Steel 40% Conductivity
GB105012801	10' x 50' x 12" On Center - #8 Solid Copper with Overhang One End
GB1230126	12' x 30' x 12" On Center - #6 Solid Copper

Notes:

*Custom sizes and options available upon request, contact Customer Service for details.

Overlapping ends are equal to 1/2 the spacing plus 2"; Don't count overhang for total dimensions

Center wire conductors overhand 6" on each end

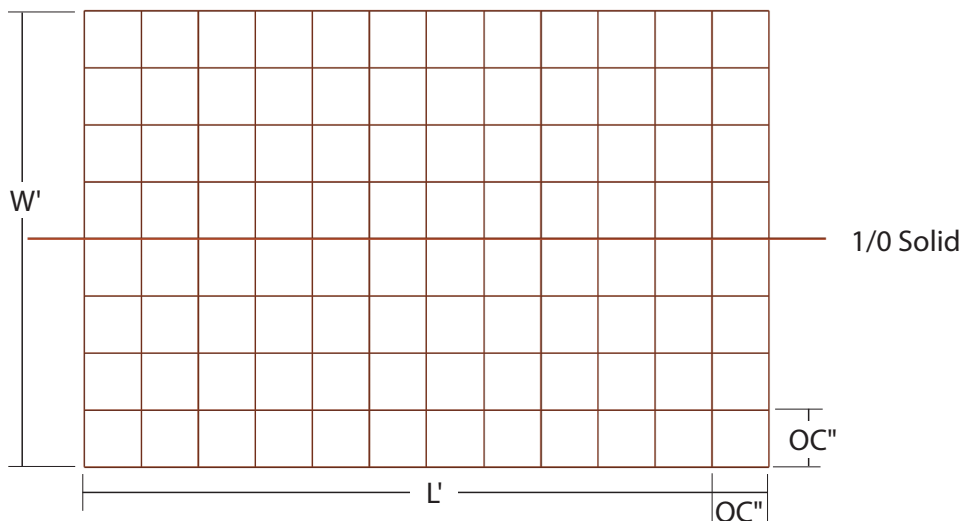
Type Sizes: 4' x 4' and 4' x 6'. Mesh is also available on rolls, contact Customer Service for details

Silver Solder Brazed

Minimum spacing available is 2"; UL467 allows 4" to 24" spacing for Listing

Personnel Safety Mats, Equipotential Bonding, Pool/Spa Grounding

BURNDY® GRIDMAX® Grounding, Personnel Safety Mats, Equipotential Bonding, Pool and Spa Grounding



GM4666C1/0S

Type		Width (W)	Length (L)	O.C. Spacing	Conductor	Pigtail Options					
G	M	4	6	6	6	C	1	/	0	S	
Ground Mesh		Width in Feet	Length in Feet	On Center Spacing in Inches	Conductor Size and Type	Pigtail Conductor Location, Size and Type					