

3679 S. Huron St., Suite 404

Englewood, CO 80110 Phone: (303) 789-4111 FAX: (303) 789-4310

SUBMITTAL TRANSMITAL

03 November, 2011

		WGCM Submittal No. 16060 - 001
PROJECT:	HAROLD D. THOMPSON 9001 Birdsall Road. Fountain, Colorado 80817	I W.R.F.
ENGINEER:	G.M.S. Inc. 611 North Weber St. # 300 Colorado Springs, CO 802 719-475-2935 Roger Sam	39
OWNER:	Lower Fountain Metropolit 901 South Santa Fe Avenu Fountain, CO 80817	tan Sewage Disposal District ne
CONTRACTOR:	McDade-Woodcock, Inc. 7222 Commerce Center Di Colorado Springs, CO 809 719-264-1236 Janelle L. S	919
SUBJECT SPEC SECTION: PREVIOUS SUBM	Electrical: Grounding Ground Rods; Mechanical Col Exothermic Col Grounding Cab Grounding Bus 16060 - Grounding an	nnectors; nnections; le;
CONTRACTOR'S STAM respect to the means, m	ethods, techniques, & safety pre	X NO ewed by Weaver General Construction and approved with cautions & programs incidental thereto. Weaver General with contracted documents and comprises on deviations
Contractor's Stam	p:	Engineer's Stamp:
Date: 11-03-2011 Reviewed by: () Reviewed Wi (X) Reviewed W	thout Comments ith Comments	
ENGINEER'S COMMENTS:		



HAROLD D. THOMPSON REGIONAL RECLAMATION FACILITY 9001 Birdsall Road Fountain, Colorado 80817

Section # 16060 – Grounding and Bonding

Submittal 16060-001 - Electrical Grounding & Bonding.

Submitted by: McDade Woodcock, Inc.
Foundation, Plan@ Pumping & Disinfection

Contractors Review Comments: Deviations from the Specification / Drawings,
Engineer to verify:

- 1. Reference: Electrical Sheets EPD-3 & EPD-4
 - Lightning protection system and accessories to be submitted in a separate submittal.
 - Generator Ground Rods installation and details to be submitted as "As Built". Details.
- 2. End of Review

McDade-Woodcock, Inc.

TRANSMITTAL No. 00004

7222 Commerce Center Dr. Suite 245 Colorado Springs, CO 80919

Phone: 719-264-1236 Fax: 719-264-1450

PROJECT: Harold D. Thompson WRF

DATE: 11/2/2011

TO:

Weaver General Construction

Electrical Submittal REF:

16060-001

Grounding & Bonding

Wes Weaver ATTN:

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
Shop Drawings	☑ Approval	Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	Returned After Loan
☐ Change Order	Review and Comment	☐ Resubmit
Plans		✓ Submit
☐ Samples	SENT VIA:	Returned
☐ Specifications	☑ Attached	☐ Returned for Corrections
Other:	☐ Separate Cover Via	☑ Due Date: 11/18/2011

ITEM PACKAGE SUBMITTAL DRAWING REV. ITEM NO. COPIES DATE DESCRIPTION

STATUS

001

11/2/2011

Electrical Submittal 16060-001

OUT

Grounding & Bonding

Remarks: Electrical Submittal for Review and Approval

Via Email Only

CC:

Expedition ®

HAROLD D. THOMPSON RWRF HEADWORKS BUILDING

McDADE-WOODCOCK INC.
PROJECT NUMBER - 1402

ELECTRICAL SUBMITTAL

GROUNDING & BONDING

<u>16060-001</u>

CORPORATE

2404 Claremont Ave. NE Albuquerque, NM 87107

Mailing Address P.O. Box 11592 Albuquerque, NM 87192

Ph 505-884-0155 Fax 505-884-6073

DENVER

10700 E. Geddes Avenue Suite 170 Englewood C0 80112 Ph 303-803-1809 Fax 303-803-1818

COLORADO SPRINGS

7222 Commerce Center Drive Suite 245 Colorado Springs, CO 80919

Malling Address P.O. Box 7349 Colorado Springs, CO 80933

Ph 719-264-1236 Fax 719-264-1450 Owner: Lower Fountain Metropolitan

Sewage District

901 S. Santa Fe Avenue Fountain, CO 80817

General Contractor: Weaver General Construction Co.

3679 S. Huron St. - Suite 404

Englewood, CO 80110

<u>Electrical Contractor</u>: McDade-Woodcock, Inc.

7222 Commerce Center Dr.

#245

Colorado Springs, CO 80919

Engineer: GMS Inc.

611 N. Weber St., Suite 300 Colorado Springs, CO 80903

HAROLD D. THOMPSON RWRF HEADWORKS BUILDING

McDADE-WOODCOCK INC.
PROJECT NUMBER - 1402

ELECTRICAL SUBMITTAL

GROUNDING & BONDING

16060-001

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TAB 3: Exothermic Connections

TAB 4: Grounding Cable TAB 5: Grounding Bus

CORPORATE

2404 Claremont Ave. NE Albuquerque, NM 87107

Mailing Address P.O. Box 11592 Albuquerque, NM 87192

Ph 505-884-0155 Fax 505-884-6073

DENVER

10700 E. Geddes Avenue Suite 170 Englewood CO 80112

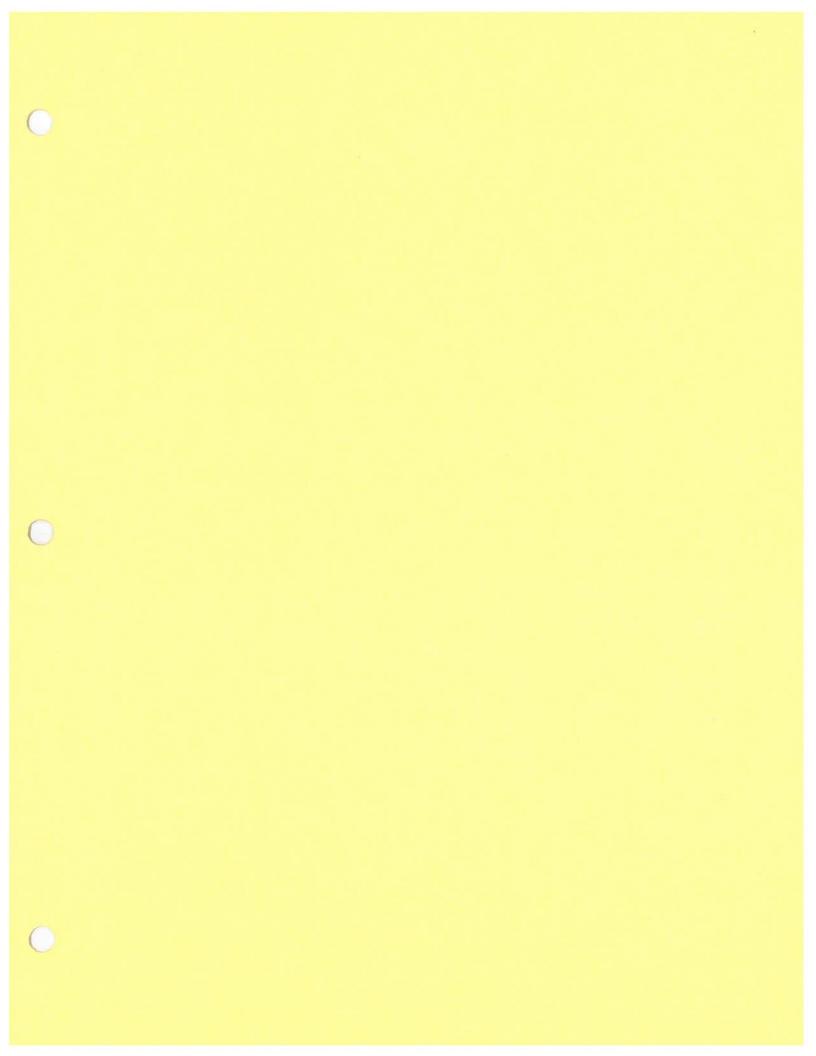
Ph 303-803-1809 Fax 303-803-1818

COLORADO SPRINGS

7222 Commerce Center Drive Suite 245 Colorado Springs, CO 80919

Mailing Address P.O. Box 7349 Colorado Springs, CO 80933

Ph 719-264-1236 Fax 719-264-1450





ERITECH® Copperbonded Ground Rods

In a grounding system, the ground electrode provides the physical connection to the earth and is the instrument used to dissipate current into it. There are two main types of electrodes.

"Natural" electrodes are intrinsic to the facility and include metal underground water pipe, the metal frame of the building (if effectively grounded), and reinforcing bar in concrete foundations.

"Made" electrodes are installed specifically to improve the performance of the grounding system and include wire meshes, metallic plates, buried copper conductor and rods or pipe driven into the ground.



The ground rod is the most widely used grounding electrode. ERICO® is the world's largest manufacturer of ground rods and offers a complete line of rods and accessories to meet the needs of every user.

Features

Copperbonded Ground Rods

- Resist corrosion better than galvanized rods allowing for a 30-year service life in most soils
- · State of the art manufacturing process ensures uniform plating thickness
- Average tensile strength of 80,000 psi and straightness tolerance of .010" per linear foot
- Exceed the requirements of ANSI®/UL® 467-1984, CSA®, and ANSI/NEMA® GR-1

Pointed Copperbonded Ground Rods

- Manufactured of high strength 1035 cold drawn steel
- The ERICO preferred ground rod

Compression Couplers for Pointed Rods

· For use when coupling pointed rods

Sectional Copperbonded Ground Rods

- For use when it is necessary to deep-drive rods
- Cold-rolled threads stronger than cut threads

Threaded Couplers for Sectional Rods

• For use when coupling sectional rods

Drive Studs for Sectional Rods

Screws into threaded coupler while rod is being driven

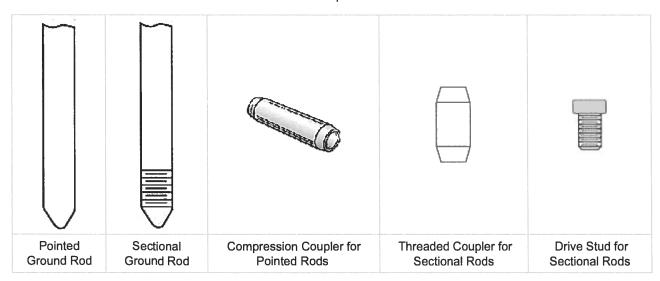
Applications

ERICO has a complete line of ground rods and accessories to meet the needs of every user.

More Information

View product information by region: North & Latin America Europe Asia & Australia

Product Information - North & Latin America Return to Top



Pointed Copperbonded Ground Rods

Part No.	Plating Thickness (mil)	Diameter (in)	Length (ft)	Standard Package	Weight per 100
613852	5	3/8	5	5	160
613862	5	3/8	6	5	198
613880	10	3/8	8	5	270
611255	5	1/2	5	5	296
611265	5	1/2	6	5	310
611285	5	1/2	8	5	482
611380*	10	1/2	8	5	553
611205	5	1/2	10	5	557
611300*	10	1/2	10	5	738
615850	10	5/8	5	5	420
615860	10	5/8	6	5	509
615880*	10	5/8	8	5	680
615883*	13-REA	5/8	8	5	680
615800*	10	5/8	10	5	844
615803*	13-REA	5/8	10	5	844
615812*	10	5/8	12	5	1000
615815*	10	5/8	15	5	1275
613460	10	3/4	6	5	750
613480*	10	3/4	8	5	1000

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Product Information

Technical Not...

Related Products

	Copper Clad Steel Ground Rods									
	Part No.	Size	Approx. Wt. Each (lbs.)	Standard Bundle	Approx. Wt. lbs./Bundle	UL Mark	With UPC Label			
Add to BOM ◆	1208UPC	1/2" x 8'	6	5	30	Yes	Yes			
Add to BOM ◆	1210	1/2" x 10'	7	5	35	Yes	No			
Add to BOM ◆	588	5/8" x 8'	7	5	35	Yes	No			
Add to BOM ◆	588RUS	5/8" x 8'	7	5	35	Yes	No			
Add to BOM ◆	588UPC	5/8" x 8'	7	5	35	Yes	Yes			
Add to BOM ◆	5810	5/8" x 10'	9	5	45	Yes	No			
Add to BOM ◆	5810UPC	5/8" x 10'	9	5	45	Yes	Yes			
Add to BOM ◆	348	3/4" x 8'	11	5	55	Yes	No			
Add to BOM ◆	3410	3/4" x 10'	13	5	65	Yes	No '			
Add to BOM ◆	3412	3/4" x 12'	15	5	75	Yes	No			
Add to BOM ◆	110	1" x 10'	23	3	69	Yes	No			



◆ BOM = Bill of Materials

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Product Information

Technical Not...

Related Products

NEC 2008 Article 250-53(G) (Summarized)

The electrode shall be installed so that 8' of length is in contact with the soil. It shall be driven to a depth of no less than 8' except where rock bottom is encountered. In the case of bedrock, the electrode shall be driven at angle not to exceed 45 degrees from the vertical or shall be buried in a trench that is at least 2-1/2' deep.

UL467 9.2.1 (Summarized)

A solid rod electrode of copper or other suitable non-ferrous metal, or a solid rod electrode of iron or steel with copper or other suitable non-ferrous metal or stainless steel jacket, shall have a diameter not less than 1/2" th

• UL 467 9.2.3 (Summarized)

The copper jacket mentioned in 9.2.1 shall not be less than .010" thick at any point.

• RUS (Rural Utilities Service) ground rods have a 13 mil copper plating thickness.

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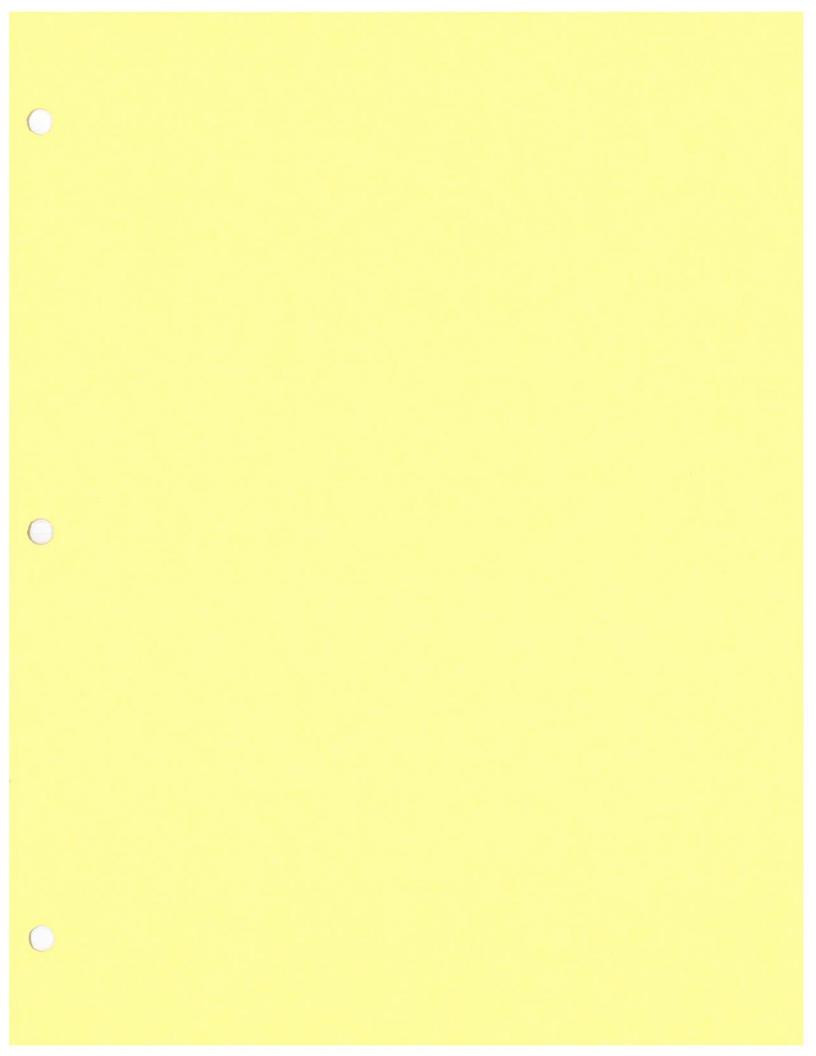
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ERITECH® Ground Rod Accessories - North & Latin America

ERICO provides a range of accessories to complement the ERITECH ground rod product line.

Features

Ground Rod Clamps

Used for attaching ground wire to rod

Compression Couplers for Copperbonded Rods

For use with pointed copperbonded ground rods

Compression Couplers for Galvanized Rods

For use with pointed galvanized ground rods

Threaded Couplers for Copperbonded Rods

For use with sectional copperbonded ground rods

Threaded Couplers for Stainless Steel Rods

For use with sectional stainless steel ground rods

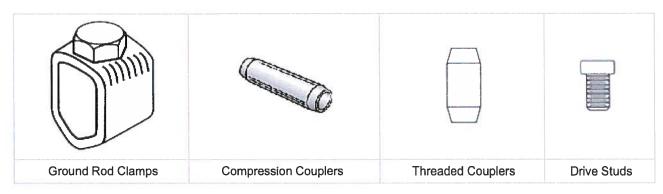
Drive Studs

Used in conjuction with threaded couplers while driving sectional ground rods

Applications

A range of accessories to complement ERITECH ground rods.

More Information



Ground Rod Clamps

Part No.	Description	ription Diameter (in)		Weight per 100	
HDC12*	Heavy Duty, 10 Sol-2 Str	1/2	50	12	
HDC58*	Heavy Duty, 8 Sol- 1/0 Str	5/8	50	13	



HDC58R*	Heavy Duty, 8 Sol- 1/0 Str	5/8	50	18
HDC34*	Heavy Duty, 8 Sol- 1/0 Str	3/4	50	20
HDC34SP*	Heavy Duty, 8 Sol- 3/0 Str	3/4	50	32
HDC1*	Heavy Duty, 1 Sol- 4/0 Str	1	50	32
CP38*	Standard, 10 Sol- 4 Str	3/8	50	6
CP12*	Standard, 8 Sol- 2 Str	1/2	50	9
CP58*	Standard, 10 Sol- 2 Str	5/8	50	11
CP34*	Standard, 8 Sol- 1/0 Str	3/4	50	13
S58*	Galvanized, 14 Sol-1/0 Str	1/2- 5/8	50	16
S68*	Galvanized, 14 Sol-4/0 Str	5/8 - 3/4	50	20

*UL Listed

Compression Couplers for Copperbonded Rods

Part No. Description		Diameter (in)	Standard Package	Weight per 100	
CC12F*	Compression	1/2	25	17	
CC58*	Compression	5/8	25	25	
CC34*	Compression	3/4	25	40	

* UL Listed

Compression Couplers for 5/8" Galvanized Rods

Part No.	Description	Diameter (in)	Standard Package	Weight per 100
GCC58	For Galv. Rods	5/8	25	31

Threaded Couplers for Copperbonded Rods

Part No.	Description	Diameter (in)	Standard Package	Weight per 100
CR12	Threaded	1/2	25	16
CR12S*	Threaded	1/2	25	17
CR58*	Threaded	5/8	25	25
CR34*	Threaded	3/4	25	40
CR100*	Threaded	1	25	85

* UL Listed

Threaded Couplers for Stainless Steel Rods

Part No.	Description	Diameter (in)	Standard Package	Weight per 100
CR58SS	Threaded	5/8	25	25
CR34SS	Threaded	3/4	25	40

Drive Studs

Part No.	Description	Diameter (in)	Standard Package	Weight per 100
DS12	Nominal	1/2	25	15
DS12S	Full Size	FS 1/2	25	15
DS58	Nominal	5/8	25	21
DS34	Nominal	3/4	25	32
DS1	Nominal	1	25	64

WARNING

ERICO products shall be installed and used only as indicated in ERICO's product instruction sheets and training materials. Instruction sheets are available at www.erico.com and from your ERICO customer service representative. Improper installation, misuse, misapplication or other failure to completely follow ERICO's instructions and warnings may cause product malfunction, property damage, serious bodlly injury and death.

WARRANTY

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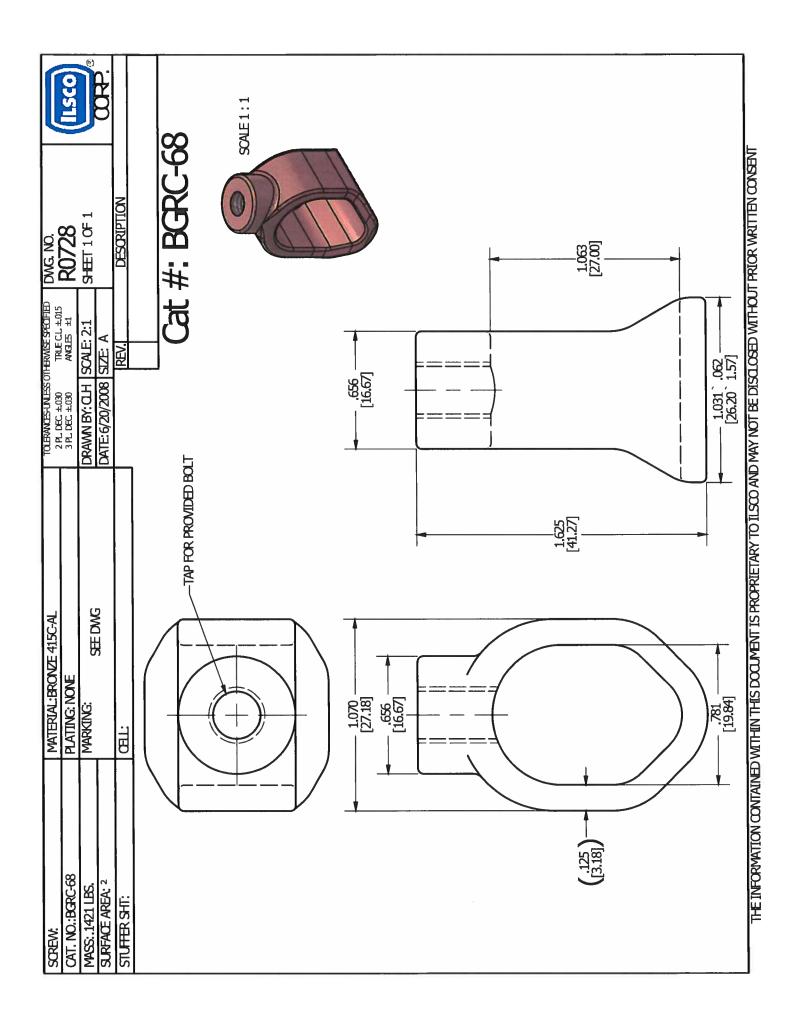
BGRC GRD ROD CLAMP CAST

- · Manufactured from cast bronze.
- Supplied with stainless steel hardware.
- UL 467 Listed and CSA Certified.
- Insures maximum strength and durability.
- . Suitable for direct burial in earth or concrete.
- For Copper Conductor only.
- UL File E34440



Item ID	Ground Rod Size	Ground Conductor Range	Rebar Size	Conductor Range with Rebar	Length	Width	Standard Package Quantity	NAED/UPC Number
BGRC-48	1/2	2-10 AWG			0.8750	0.7500	50	78366900994
BGRC-58	5/8	1/0-8 AWG	#5 = 5/8"	1/0-8 AWG	0.9375	0.8750	25	78366900996
BGRC-68	3/4	1/0-8 AWG			1.0000	1.0000	10	78366900998

RETURN





BGRC GRD ROD CLAMP CAST

- · Manufactured from cast bronze,
- · Supplied with stainless steel hardware.
- UL 467 Listed and CSA Certified.
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Item ID	Ground Rod Size	Ground Conductor Range	Rebar Size	Conductor Range with Rebar	Length	Width	Standard Package Quantity	NAED/UPC Number
BGRC-48	1/2	2-10 AWG			0.8750	0.7500	50	78366900994
BGRC-58	5/8	1/0-8 AWG	#5 = 5/8"	1/0-8 AWG	0.9375	0.8750	25	78366900996
BGRC-68	3/4	1/0-8 AWG			1.0000	1.0000	10	78366900998

RETURN



BGC GRD ROD CLAMP CAST

- UL Listed and CSA Certified.
- Supplied
- Type BGC-1DB, BGC-2DB supplied with bronze hardware.
- DB Type Suitable for direct burial in earth or concrete.
- . DB type tested to UL467.
- Type DCGC is manufactured from die cast zinc alloy.
- DCGC-1 is supplied with zinc plated steel hardware.
- . Type BGC-A can be used for bare or armored cable.
- BGC-1, BGC-2, BGC-1-DB, BGC-2-DB and BGC-1A are CSA Listed.
- For Copper Conductor only:
- UL File E158587



Item ID	Figure Number	Pipe Size	Ground Conductor Range	Conduit Hub Size	Standard Package Quantity	NAED/UPC Number
BGC-1	1	1/2, 3/4, 1	2-10 AWG		25	78366900986
BGC-2	1	1-1/4, 1-1/2, 2	2-10 AWG		10	78366900988
BGC-1DB	1	1/2, 3/4, 1	2-10 AWG		25	78366900990
BGC-2DB	1	1-1/4, 1-1/2, 2	2-10 AWG		10	78366900991
BGC1-50	2	1/2, 1	4 AWG - 8 SOL.	1/2	25	78366901006
BGC1-75	2	1/2, 1	4 AWG - 8 SOL.	3/4	25	78366901008
BGC1-10	2	1/2, 1	4 AWG - 8 SOL.	1	25	78366901010
BGC2-50	2	1-1/4, 2	4 AWG - 8 SOL.	1/2	10	78366901012
BGC2-75	2	1, 1/4, 2	4 AWG - 8 SOL.	3/4	10	78366901014
BGC2-10	2	1, 1/4, 2	4 AWG - 8 SOL.	1	10	78366901016
BGC-1A	3	1/2, 1	4 AWG - 8 SOL.		25	78366901002
BGC-2A	3	1-1/4, 2	4 AWG - 8 SOL.		10	78366901004
DCGC-1	4	1/2, 3/4, 1	2-8 AWG		100	78366916200

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CGBL LAY-IN DIRECT BURIAL

- · Manufactured from high strength copper alloy with stainless steel screw.
- · UL listed and CSA certified for direct burial in earth or concrete.
- . Tested to UL 467.
- · Lay-in feature for ease in installation.
- · For copper conductor only.
- Rated for grounding and bonding.
- . Add a T to the end of the catalog number for Tin Plated version as shown below.
- · Stainless mounting hardware kits available
- GBL-MH1 contains 1 each 10-32 x 3/4 bolt, nut, star washer, lock washer, flat washer
- GBL-MH2 contains 1 each #10 x 3/4 self tapping screw, star washer, lock washer, flat washer
- GBL-MH3 contains 1 each 1/4-28 x 3/4 bolt, nut, star washer, lock washer, flat washer
- GBL-MH4 contains 1 each 1/4 x 3/4 self tapping screw, star washer, lock washer, flat washer
- UL File E34440.



Item ID	Ground Conductor Range	Length	Width	Height	Bolt/Stud Size	Hex Size	Plating	Standard Package Quantity	NAED/UPC Number
GBL-4DB	4-14 AWG	1.1500	0.3750	0.8250	10	S	Clear	50	78366996017
GBL-4DBT	4-14 AWG	1.1500	0.3750	0.8250	10	S	Tin	50	78366996018
GBL-4DB-14	4-14 AWG	1.1500	0.4720	0.8250	1/4	S	Clear	50	78366996019
GBL-4DBT-14	4-14 AWG	1.1500	0.4720	0.8250	1/4	S	Tin	50	78366996020



GBL LAY-IN AL/CU Page 1 of 1



F GBL LAY-IN AL/CU

- Manufactured from high strength 6061-T6 aluminum alloy.
- Electro-tin plated.
- . GBL-4 & GBL-4SS are UL 467 Listed for grounding and bonding.
- GBL-1/0 & GBL-250 are UL 467 Recognized for grounding and bonding.
- · GBL-4SS is supplied with stainless steel screw.
- · Lay-in feature.
- Suitable for use with either copper or aluminum.
- · Provides low contact resistance.
- See Ilsco GBL-4DB for lay-in copper lug suitable for direct burial.
- UL File E34440/E6207



10

Item ID	Figure Number	Ground Conductor Range	Bolt/Stud Size	Hex Size	Standard Package Quantity	NAED/UPC Number
GBL-4	1	4-14 AWG	10	S	100	78366996005
GBL-4SS	1	4-14 AWG	1/4	S	500	78366996007
GBL-1/0	1	1/0-14 AWG	1/4	S	50	78366996010
GBL-250	2	250 kcmil-6 AWG	1/4	7/32	25	78366996015

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MECHANICAL GROUNDING CONNECTORS

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

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

UL467 Listed for direct burial applications in earth or concrete.

E-25

TYPES KC, K2C

SERVIT POSTTM

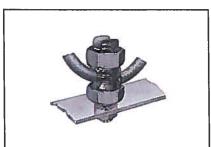
For Copper Cable to Flat

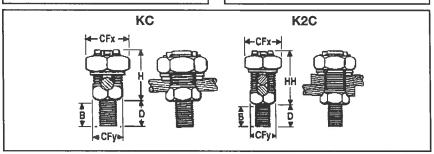
SERVIT POST™ used to ground one or two cables to steel structures, fence posts, transformers. Also used to tap one or two cables from bus bar. One-wrench installation.











Catalog Nun	nber	Condi	uctor	Stud						
Type KC †	Type K2C ‡	Stranded	Solid	Diameter	В	CFx	CFy	D	н	нн
KC15	K2C15	12 - 9	40.0	1/4 00	3/8	1/0	0/0	1/2	5/0	7.0
KC15B1	K2C15B1	12 - 9	12 - 8	1/4 - 20	7/8	1/2	3/8	1	5/8	7/8
KC17	K2C17	10 - 7	10 - 6	1/4 - 20	3/8	5/8	7/10	1/2	7/0	4
KC17B1	K2C17B1	10-7	10-0	1/4 - 20	7/8	3/6	7/16	1	7/8	'
KC20	K2C20	10 - 5	10 - 4	5/16 - 18	13/32	11/16	1/2	5/8	7/8	1-1/8
KC20B1	K2C20B1	10-5	10 - 4	3/10 - 10	27/32	11/10	1/2	1	1/0	1-1/0
KC22	K2C22	10 - 3	10 - 2	3/8 - 16	15/32	3/4	5/8	5/8	4	1-1/4
KC22B1	K2C22B1	10-3	10-2	3/0 - 10	31/32	3/4	3/6	1-1/8	•	1-1/4
KC23	K2C23	8 - 2	10 - 1	3/8 - 16	15/32	13/16	5/8	5/8		1-3/8
KC23B1	K2C23B1	0-2	10-1	3/0 - 10	31/32	13/10	3/6	1-1/8	'	1-3/0
KC25	K2C25	2 - 1/0	2 - 2/0	1/2 - 13	9/16	15/16	3/4	3/4	1-1/8	1-5/8
KC25B1	K2C25B1	2 - 1/0	2 - 2/0	1/2 - 13	1-1/16	15/16	3/4	1-1/4	1-1/0	-5/0
KC26	K2C26	2 - 2/0	2 - 3/0	1/2 - 13	17/32	4	7/8	3/4	1-3/8	1-7/8
KC26B1	K2C26B1	2 - 2/0	2 - 3/0	1/2 - 13	1-1/16	'	//0	1-1/4	1-3/0	1-7/0
KC28	K2C28	1 - 4/0	1 - 4/0	5/8 - 11	3/4	1-1/2	1-3/16	1	1 2/4	2-1/4
KC28B1	K2C28B1	1 - 4/0	1 - 4/0	3/0 - 11	1-1/4	1-1/2	1-3/10	1-1/2	1-3/4	2-1/4
KC31	K2C31	1 - 350		5/8 - 11	3/4	1-11/16	1-3/8	1	2-1/4	2-7/8
KC31B1	K2C31B1	1 - 350		3/0 - 11	1-1/4	1-11/16	1-3/6	1-1/2	2-1/4	2-1/0
KC34	K2C34	3/0 - 500		3/4 - 10	1	2	1 5/0	1-1/4	2 2/0	2 1/4
KC34B1	K2C34B1	3/0 - 500	_	3/4 - 10	1-1/2	2	1-5/8	1-3/4	2-3/8	3-1/4

[†] For 1 conductor. ‡ For 1 or 2 conductors. Add "NSP" suffix to have connector supplied w/split lock-washer and nut.

BURNDY®

TYPE GAR

- Wire to Rebar
- Fence Post Grounding Connector
- Wire to Pipe

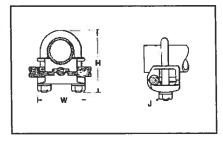
For Parallel or 90° Copper Cable Connection to Rod or Pipe with the Same Connector

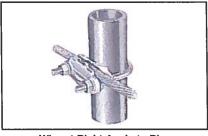
High copper alloy ground connector for joining a range of cable, parallel or at right angles to rod or tube. Especially good for fence posts. High copper alloy cast body with DURIUM™ U-bolts, nuts and lockwashers, permit entire connection to be buried in ground or concrete without danger of corrosion.

- One-wrench installation.
- UL467 Listed.
- · Acceptable for direct burial.

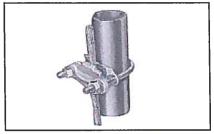












Wire Parallel to Pipe









Catalog		Conductor					
Number	Tube I.P.S.	Rod Size or O.D. Range	Rebar Size	Cable	Н	J	W
GAR114C				8 Sol 4 Str.			
GAR1126	1/4	1/2		4 Sol 2/0 Str.	2-1/2		1-7/8
GAR1129	7			2/0 Sol 250		3/8	
GAR644C				8 Sol 4 Str.		3/8	
GAR6426	0/0	5/0 0/4	#5 (5/8") -	4 Sol 2/0 Str.	2-7/8	1	2-1/8
GAR6429	3/8	5/8 - 3/4	#6 (3/4")	2/0 Sol 250			5.5
GAR6434	7			300 - 500	3-1/2	1/2	2-1/2
GAR144C				8 Sol 4 Str.	2-3/4		
GAR1426	1/0 0/4	7/0 4	#7 (7/8") -	4 Sol 2/0 Str.	3	3/8	2-3/8
GAR1429	1/2 - 3/4	7/8 - 1	#8 (1")	2/0 Sol 250) 3	1	
GAR1434	7			300 - 500	3-3/4	1/2	2-3/4
GAR154C				8 Sol 4 Str.	0.7/0		
GAR1526] 1	1 1/0 1 1/4	#9 (1-1/8") -	4 Sol 2/0 Str.	2-7/8	3/8	2-5/8
GAR1529	7 '	1-1/8 - 1-1/4	#10 (1-1/4")	2/0 Sol 250	3-3/8	1	
GAR1534	7	1		300 - 500	4-1/2	1/2	
GAR164C				8 Sol 4 Str.			
GAR1626	1 4/4	10/0 11/0	444 (4 0/0)0	4 Sol 2/0 Str.	3-1/2	3/8	3
GAR1629	1-1/4	1-3/8 - 1-1/2	#11 (1-3/8")	2/0 Sol 250	1		
GAR1634	7			300 - 500	4-1/4	1/2	3-3/8
GAR174C				8 Sol 4 Str.			
GAR1726	1-1/2	1-5/8 - 1-7/8		4 Sol 2/0 Str.	1 4	3/8	3-1/4
GAR1729	1-1/2	1-5/8 - 1-7/8	_	2/0 Sol 250			
GAR1734	7			300 - 500	4-5/8	1/2	2-5/8
GAR184C				8 Sol 4 Str.	4.1/4		
GAR1826	2	2 2 2/0		4 Sol 2/0 Str.	4-1/4	3/8	3-3/4
GAR1829	7 '	2 - 2-3/8		2/0 Sol 250	4-1/2		
GAR1834		<u> </u>		300 - 500	5-1/4	1/2	4-1/8
GAR194C				8 Sol 4 Str.			
GAR1926	2-1/2	2-1/2 - 2-7/8	9200	4 Sol 2/0 Str.	5	3/8	4-1/4
GAR1929	2-1/2	2-1/2 - 2-1/8	: <u> </u>	2/0 Sol 250			
GAR1934				300 - 500	5-5/8	1/2	4-5/8

Blue highlighted items are industry standard and most frequently ordered.

TYPE GAR

(Continued)

FENCE POST GROUNDING CONNECTOR

Catalog		Conductor					
Number	Tube I.P.S.	Rod Size or O.D. Range	Cable	н	J	w	
GAR204C			8 Sol 4 Str.				
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				
GAR2034			300 - 500	6-3/8	1/2	5-1/4	
GAR214C			8 Sol 4 Str.				
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				
GAR2134			300 - 500	6-3/4	1/2	5-3/4	
GAR224C			8 Sol 4 Str.]			
GAR2226	4	4 - 4-1/2	4 Sol 2/0 Str.	6-3/8	3/8	5-7/8	
GAR2229	_ "	4 - 4-1/2	2/0 Sol 250				
GAR2234			300 - 500	6-7/8	1/2	6-1/4	
GAR244C			8 Sol 4 Str.		3/8	6-7/8	
GAR2426	5	[4 Sol 2/0 Str.	7-3/4	3/0	0-7/0	
GAR2429			2/0 Sol 250		1/2	7-1/4	
GAR2434	i 1		300 - 500	8-5/8	1/2	/-1/4	
GAR8629	6	(2/0 Sol 250	8-13/16	1/2	8-3/8	

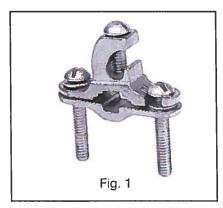
Contact BURNDY® for additional pipe and wire size combinations not shown.

E-29

CAST BRONZE GROUND CLAMPS

With Lay-in Feature

For connecting grounding conductor to water pipe, copper tube, ground rod or rebar. E-36 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.









			Accommo Conductor						
0-4-1		100-1	Main	0	Тар		Reference	Recommended	
Catalog	Fi #	Water	D-b	Ground	0	Dimensions			Screw Torque
Number	Fig. #	Pipe	Rebar	Rod	Ground	н	L	W	(Inch Pounds)
C11K16D	Fig. 1	1/2" - 1"	#4 - #6	3/8" - 1"	#10 - #2	1.64"	2.28"	0.66"	50 inlbs.
C11K17D	Fig. 2	[13 - 25]	#4 - #0	3/0 - 1	Str.	1.04	2.20	0.00	30 IIIID3.

DIE CAST CLAMPS

Die cast zinc with zinc plated screws.







		nmodates ctor Range			Recommended Screw Torque (Inch Pounds)			
Catalog	Water	Re	ference l	Pipe	Wire			
Number	Pipe	Ground	H	L	W	C	Clamp	Clamp
CZ-11	1/2" - 1"	10 - 2	1.56"	2.25"	.56"	.50"	50 inlb.	50 inlb.
02-11	[13 - 25]	Str.	[40]	[56]	[14]	[13]	30 11110.:	30 111-101

E-37

CAST BRONZE CLAMPS

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







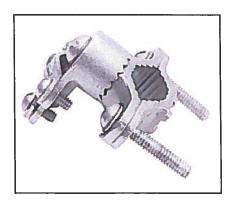
73.	1	Accommodates onductor Range	1	leference imension	Recommended Screw Torque (Inch Pounds)		
Catalog Number	Water Pipe	Armored Conductor	Н	L	W	Pipe Clamp	Wire Clamp
C-11JA	1/2 - 1 [13 - 25]		1.38 [35]	3.05 [77]			
C-22JA	1-1/4 - 2 [32 - 51]	10 - 6 Sol.	2.60 [66]	3.69 [94]	1.41 [36]	50 inlb.	50 inlb.
C-4JA	2-1/2 - 4 [64 - 102]	-	4.29 [109]	5.01 [128]	1212		

CAST BRONZE GROUND CLAMPS

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.







		Accommo Conductor						
Catalog	Water	Main	Ground	<u>Tap</u>	-	Reference Dimensions	Recommended	
Number		Rebar		Ground	Н	L	W	Screw Torque (Inch Pounds) 50 inlbs.
C11HD4/ODB	1/2" - 1" [13 - 25]	#4 - #6	3/8" - 1"	#8 - 4/0 AWG	2,25	2.65	1.56	50 inlbs.
C22HD4/0DB	1-1/4" - 2" [32 - 51]	_	=	#8 - 4/0 AWG	2.70	3.60	1.56	50 inlbs.

Blue highlighted items are industry standard and most frequently ordered.

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.





E-38





		commodat ductor Rai						Recomm Screw (Inch P	Torque
Catalog	Water		Ground	Ref	Reference Dimensions			Pipe	Wire
Number	Pipe	Ground	Clamp	Н	L	W	C	Clamp	Clamp
C-6	1/2 - 1	10 - 2	Bare Armored	1.60	2.34	1.06	.63		
C-6D	[13 - 25]	Str.	Unarmored Wire Cables	[41]	[59]	[27]	[16]	50 inlb.	50 inlb.
C-7	1-1/4 - 2 [32 - 51]	10 - 2 Str.	or Cords	2.38 [60]	3.62 [92]	.94 [24]	1.00 [25]	= =,0 1 1 1 1 1	50 III10.

Canada: 1-800-387-6487 www.burndy.com US: 1-800-346-4175

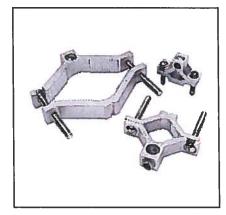
E-41

TYPE GC-A

DUAL RATED GROUND CLAMP

For Copper and Aluminum Cable

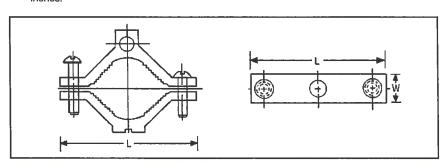
GC-A ground clamps are UL Listed for use with either copper or aluminum conductors to copper water pipe, galvanized pipe or steel conduit. All clamps are constructed from tin plated high-strength extruded aluminum alloy. PENETROXTM oxide inhibiting joint compounds are recommended for all aluminum applications.





Features and Benefits

- Clamps are dual rated for both copper and aluminum conductors.
- Maximum flexibility of application.
- All connectors are tin plated.
- Provide low contact resistance and prevents galvanic corrosion.
- All clamps are range taking.
- Only 3 catalog numbers covers complete range of applications from 1/2 - 4 inches.



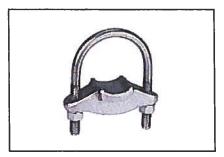
Catalog Number	Conduit, Pipe, or Water Tube Size	Wire Range	Screw Type	w	L	Hex Size
GC15A	1/2 - 3/4 - 1	1/0 - 14	Slotted	11/16	2-1/4	S
GC18A	1-1/4 - 1-1/2 - 2	250 kcmil - 6	Hex Socket	13/16	3-3/4	5/16
GC22A	2-1/2 - 3 - 3-1/2 - 4	250 kcmil - 6	Hex Socket	1	6-5/16	5/16

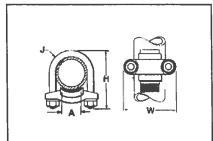
TYPE GG

GROUND CONNECTOR

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, DURIUM™ U-bolts, nuts and lockwashers make the GG particularly effective for use with braid for ground rods, switch handles, fence posts and gates. One-wrench installation.









Catalog	Cond	uctor				
Number	Tube I.P.S.	Rod	A	H	J	w
GG15-1	1	1-1/8 - 1-1/4		3-3/8		2-5/8
GG16-1	1-1/4	1-3/8 - 1-1/2	7 1		1	3
GG17-1	1 1/0	1 5/0 1 7/0		3-1/2	0/0	2:1/4
GG17-15	1-1/2	1-5/8 - 1-7/8	1-1/2	1	3/8	3-1/4
GG18-1			1	4 1/4]	2.2/4
GG18-15	2	2 - 2-3/8	1-1/2	4-1/4		3-3/4
GG18-2			2	4-3/8		4-1/8
GG19-2	2-1/2	0.4/0.07/0	_ 2	-]	4.570
GG19-25	2-1/2	2-1/2 - 2-7/8	2-1/2	5		4-5/8
GG20-2			2		1	
GG20-25	3	3 - 3-1/2	2-1/2	6-3/8		5-1/4
GG20-3			3			
GG21-2			2			
GG21-25	3-1/2	3-1/2 - 4	2-1/2	5-7/8	1/2	5-3/4
GG21-3	3-1/2	3-1/2-4	3	3-7/0		3-3/4
GG21-35			3-1/2	7		
GG22-2	· · · · · · · · · · · · · · · · · · ·		2			
GG22-25	4	4 - 4-1/2	2-1/2	6-1/2		6-1/4
GG22-3	4	4 - 4-1/2	3	0-1/2		0-1/4
GG22-4			4			
GG24-2	5		2	7-5/8	7	7-1/4

✓ See note page E-1

Blackburn

Ground Rod Clamps

UL Listed for both copper-clad and galvanized ground rods.

Type JWR — Wide-Range Ground Rod Clamp



- UL Listed for direct burial in earth/concrete
- Constructed from bronze alloy and high-performance stainless steel bolt
- Provides wide range of connection sizes
- More than 300 lbs, torque capacity







						DIMENSIONS (IN.)				
	NOMINA	NOMINAL ROD DIA. WIRE RANGE				A (MAX.)				
CAT. NO.	(IN.)	(MM.)	MAX.	MIN.	MAX. (MM2)	MIN. (MM2)	BOLT	В	C	D
	3/8"	9.5	1/0 Str.	10 Sol.	53.4	5.2	1.535	1.050	.812	.652
JWR	1/2	12.7	1/0 Str.	10 Sol.	53.4	5.2	1.535	1.050	.812	.652
JWN	×	15.8	1/0 Str.	10 Sol.	53.4	5.2	1.535	1.050	.812	.652
	×	19.0	1/0 Str.	8 Sol.	53.4	8.3	1.535	1.050	.812	.652

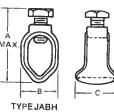
[&]quot;36" rad not recognized/listed by UL.

Long bearing surface of clamp on ground wire secures ground connection.

Type JAB — Ground Rod Clamps



- . Cast of high-strength corrosion-resistant copper alloy
- Both hex head bolts and socket set screws available
- UL Listed for direct burial







CAT.	NO.	NOM	INAL.		WIRE F	ANGE			DIME	NSIONS (IN.)			
SOCKET SET SCREW	HEX HEAD BOLT	ROE (IN.)	(MM)	MAX.	MIN.	MAX. (MM²)	MIN. (MM²)	A (MAX.) SOCKET SCREW	A (MAX.) HEX BOLT	SCREW THREAD SIZE UNC-2A	В	С	D
JAB12*	JAB12H	1/4	12.7	2 Str.	10 Sol.	33.6	5.2	11%	2½	%-14	21/2	1/4	19/32
JAB58	JAB58H	3/6	15.8	1/0 Str.	8 Sol.	53.4	8.3	121/2	211/4	/s-14	29/2	1	11/16
JAB34	JAB34H	*	19.0	1/0 Str.	8 Sol.	53.4	8.3	2	211/2	%s-14	11/16	1	51/64
-	JAB34C	% + %	15.8 to 19.0	4/0 Str.	8 Sol.	95.0	8.3	_	211/2	%-14	1%	11/2	13//4
JAB1	JAB1H	1	25.0	4/0 Str.	8 Sol.	107.1	8.3	21/4	3	7/6-14	11/2	11/18	1

^{*} Not CSA listed Add suffix P to Cat. No. for tin-plated clamp.

A dependable ground connection offered at a substantial savings.

Type G — Budget-Line Ground Clamps



- · Cast of high-strength corrosion-resistant copper alloy
- · Furnished with hex head bolts
- · Simplified, compact design makes lasting, trouble-free connection
- UL Listed for direct burial









	}			DIMENSIONS (IN.)								
CAT. NO.	NOMINAL (IN.)	ROD DIA. (MM.)	MAX.	WIR	E RANGE MAX. (MM²)	MIN. (MM²)	A (MAX.) BOLT	SCREW THREAD SIZE UNC-2A	В	С	D	E
G3*	*	9.5	4 Str.	10 Sol.	21.1	5.2	1%	%∈-18	11/40	1/2	21/64	*
G4	1/2	12.7	2 Str.	10 Sol.	33.6	5.2	-	% -16	21/32	3%	31/64	1/2
Ğ5 [±]	1%	15.8	2 Str.	10 Sol.	33.6	5.2		% -16	23/32	3/6	17/4	1/2
G6	1/4	19.0	2 Str.	10 Sol.	33.6	5.2	<u> </u>	1 16	11/15	36	13/18	1/2

*Not UL Listed

RUS Listed

Add suffix P to Cat. No. for tin-plated clamp.



Blackburn

Flexible Braid

Flexible copper braids for use in substation and grounding applications.

- Tin-plated copper braids and ferrules for high conductivity and corrosion resistance
- Enables linear expansion, equipment vibration and offset connections
- Certified C22.2 No. 41 Grounding & Bonding Equipment
- Listed UL467 and UL486A Grounding & Bonding Equipment





					DIMENSIONS				
CAT. NO.†	CIRCULAR MILS	BOLT HOLE	NO. OF BRAIDS IN FERRULE	THICKNESS	C WIDTH	D FERRULE LENGTH	DISTANCE CTR. TO CTR.		
FBB12-1*	24000	1/4		0.140	0.625	0.750	N/A		
FBC12-1*	48000	1,4€	1	0.148	1.000	1.300	N/A		
FBD12-1*	76800	1/10	1	0.200	1.000	1.300	N/A		
FBD12*	76800	1/16	1	0.200	1.000	2.500	1.25		
FB2D12-1*	153600	1/s	2	0.250	1.250	1.500	N/A		
FB2D12*	153600	Ke	2	0.250	1.250	2.500	1.25		
FB3D12-1*	230400	1/16	3	0.350	1.250	1.500	N/A		
FB3D12*	230400	1/16	3	0.350	1.250	2.500	1.25		
FBXD12-1*	105600	%	1	0.250	1.250	1.500	N/A		
FBXD12*	105600	%6	1	0.250	1.250	2.500	1.25		
FB2XD12-1*	211200	%€	2	0.350	1.250	1.500	N/A		
FB2XD12	211200	%€	2	0.350	1.250	2.500	1.25		
FB3XD12-1*	316800	%6	3	0.400	1.250	1.500	N/A		
FB3XD12*	316800	%₅	3	0.400	1.250	2.500	1.25		
FBE12-1*	168000	% €	1	0.500	1.250	2.500	N/A		
FBE12*	168000	%₀	1	0.250	1.250	3.500	1.75		
FB2E12-1*	336000	%s	100	0.500	1.250	2.500	N/A		
FB2E12*	336000	%₅	2	0.500	1.250	3.500	1.75		
FB3E12	504000	%6	3	0.750	1.250	3.500	1.75		
FB4E12	672000	%	4	1.000	1,250	3.500	1.75		
FBF12	230400	%a	1	0.300	1.500	3.500	1.75		
FB2F12	460800	%6	2	0.450	1.500	3.500	1.75		
FB3F12	691200	1/6	3	0.600	1.625	3.500	1.75		
FB4F12	921600	%6	4	0.750	1.625	3.500	1.75		
FBG12	307200	%		0.380	1.500	3.500	1.75		
FB2G12	614400	%₅	2	0.630	1.625	3.500	1.75		
FB3G12	921600	%	3	0.850	1.625	3.500	1.75		
FB4G12	1228800	%6	4	1.000	1.880	3.500	1.75		

[†] Catalog number shown in 12" lengths. Standard lengths offered in 6, 12, 18, 24, 30 and 36 inches (end to end). Change the 12 in the above catalog numbers to the desired length. (-1) indicates 1 bolt hole per ferrule.

For custom flexible braids, contact Customer Service

Flexible Braid in a Roll — 10-Foot Minimum

CAT. NO.	CIRCULAR MILS.	THICKNESS (IN.)	WIDTH (IN.)
FBBRL	24000	0.140	0.625
FBCRL	48000	0.148	1.000
FBDRL	76800	0.200	1.000
FBXDRL	105600	0.250	1.250

Ferrules or lugs not included.



See amperage tables on **next page** as a reference for grounding and bonding, or continuous current applications. FB4 series is not listed/certified.

Blackburn

Ground Clamps









CAT. NO.	GROUND WIRE SIZE	WATER PIPE SIZE
2-TB	#6, #4, #2	½", ¾", 1" or rebar 4-10
3-TB	#6, #4, #2	1½", 1½" or 2"
4	#6, #4, #2	2½", 3" or 3½"
5-TB	#6, #4, #2	4", 4½" or 5"
6	#6, #4, #2	6"

Malleable iron, #6 - #2 AWG ground wire

Waterpipe Ground Clamps



CAT. NO.	GROUND WIRE SIZE	WATER PIPE SIZE				
3902	#4-4/0 AWG	1/2"-1"				
3903	#4-4/0 AWG	1¼"-2"				
3904	#44/0 AWG	2½"-3½"				
3905-TB	#4-4/0 AWG	4"-5"				
3906-TB	#44/0 AWG	6"				
3907	#4-4/0 AWG	8"				
3908	#4-4/0 AWG	10"				
3909-TB	#4-4/0 AWG	12"				

3909-TB	#4-4/C				
*UL Listed for	or Direct Burial				

(II)



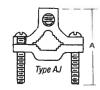
CAT. NO.	GROUND WIRE SIZE	WATER PIPE SIZE
3902BU*	#4-4/0 AWG	½" to 1"
3903BU*	#4-4/0 AWG	1 1/4" to 2"
3904BU*	#4-4/0 AWG	2½ to 3½"
3905BU*	#4-4/0 AWG	4" to 5"
3906BU*	#4-4/0 AWG	6"
3907BU*	#4-4/0 AWG	8"
3908BU*	#4-4/0 AWG	10"
3909BU*	#4-4/0 AWG	12"

For connecting grounding conductor to either steel or copper pipe, rod or tubing.

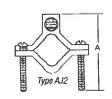
Aluminum Water Pipe Clamp

- For use with copper or aluminum conductor
- Tin plated for corrosion resistance





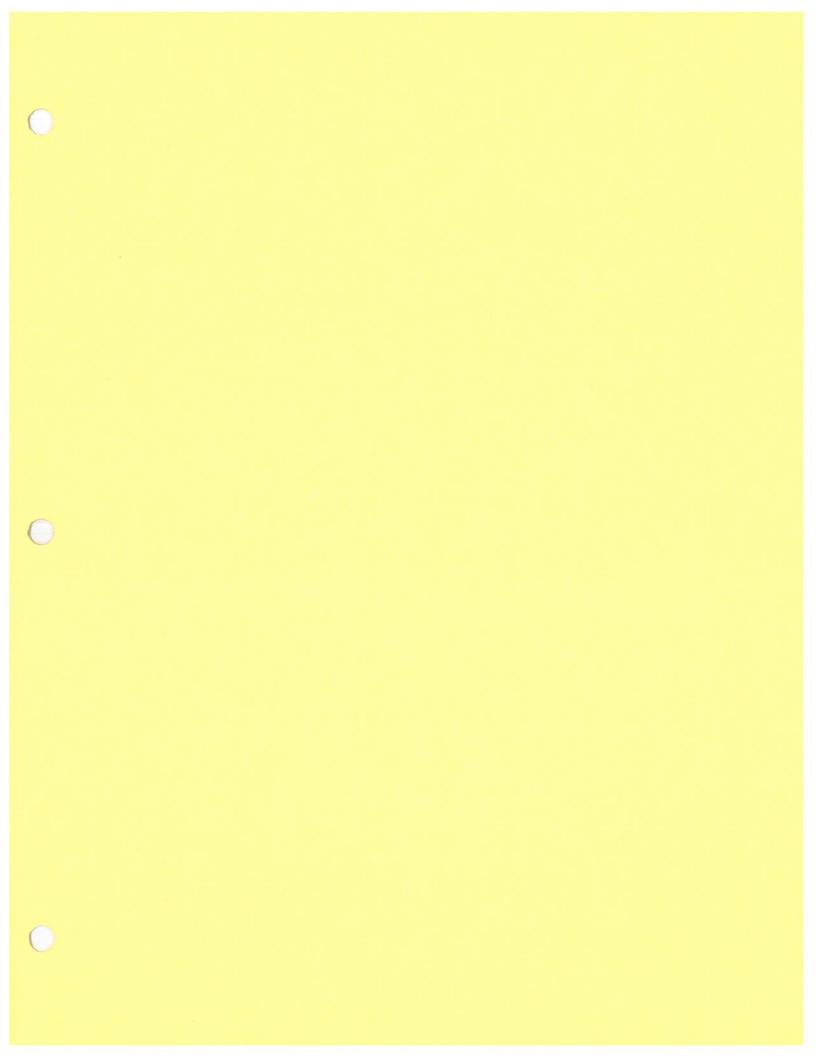






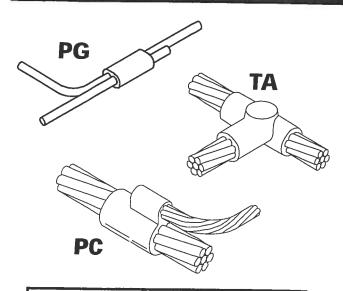
	WATER PIPE	CONDUC		D	MENSION (IN.)	S	STEEL CLAMP	ALUMINUM WIRE
CAT. NO. SIZE	SIZE	MAX.	MIN.	Α	В	C	SCREW	SCREW
AJ	1/-1	1/0 Str.	#14 Sol.	21/2	21/4	%	1/-20	%-20 slot
AJ-2	11/4-2	250 kcmil	#6	3/4	31/4	3%	%-18	11/6-20 socket
AJ-2124	21/4-4	250 kcmil	#6	5%s	6%	1/6	% -16	11/6-20 socket

UL listed for both copper and aluminum conductors to steel pipe and copper water tubing



HORIZONTAL TEE

PC/PG/TA



CABLE SIZE		MOLD	WELD
Run Tap		PART NO.	METAL
6 SOL	6 SOL	PG T -1G1G	25
6	6	PG T -1H1H	25
4	4	TA C -1L1L	32
	6	PC T -1L1H	32
	6 SOL	PC T -1L1G	32
	8	PC T -1L1E	32
	8 SOL	PC T -1L1D	32
2 SOL	2	TAC-1T1V	45
	2 SOL	TAC-1T1T	45
	4	TAC-1T1L	45
2 SOL	6	PC T- 1T1H	32
	6 SOL	PC T- 1T1G	32
	8	PC T- 1T1E	32
	8 SOL	PC T- 1T1D	32
2	2	TA C -1V1V	45
	2 SOL	TA C -1V1T	45
	4	TA C -1V1L	45
-	6 6 SOL 8 8 SOL	PC T -1V1H PC T -1V1G PC T -1V1E	32 32 32 32
1	1	TAC-1Y1Y	45
	2	TAC-1Y1V	45
	2 SOL	TAC-1Y1T	45
·	4	TAC-1Y1L	45
	6	PCC-1Y1H	45
	6 SOL	PCC-1Y1G	45
	8	PCC-1Y1E	45
	8 SOL	PCC-1Y1D	45

HORIZONTAL TEE CONNECTIONS

- · Tee of horizontal run and tap cables.
- PC and PG make parallel style connections which the user can form into a tee.
- Concentric stranded copper cable unless otherwise noted.
- · Solid conductor can be either copper or Copperweld.
- Bold letter in mold part number is the price key. Note: For PC, the tap cable is on top.

REQUIRED TOOLS

Handle Clamps L160 for C Price Key Molds

L159 for D Price Key Molds

Clamps are included with T Price Key Molds

Flint Ignitor T320 (Included with Handle Clamp or

T320 (Included with Handle Clamp or frame but also available separately)

SUGGESTED TOOLS

Cable Cleaning Brush
Slag Removal Spade
Mold Cleaning Brush
Cable Clamp

T313 or T314
B136A or B136B
T394
B265

Cable Clamp B265 Torch Head T111

ACCESSORIES

See Section A

CABLE	SIZE	MOLD	WELD
Run	Tap	PART NO.	METAL
1/0	1/0	TA C- 2C2C	90
	1	TA C- 2C1Y	45
	2	TA C- 2C1V	45
	2 SOL	TA C- 2C1T	45
170	4 TAC-2C1L 6 PCC-2C1H 6 SOL PCC-2C1G 8 PCC-2C1E 8 SOL PCC-2C1D	45 45 45 45 45	
2/0	2/0	TAC-2G2G	90
	1/0	TAC-2G2C	90
	1	TAC-2G1Y	45
	2	TAC-2G1V	45
	2 SOL	TAC-2G1T	45
210	4	TAC-2G1L	45
	6	PCC-2G1H	65
	6 SOL	PCC-2G1G	65
	8	PCC-2G1E	65
	8 SOL	PCC-2G1D	65

PC/PG/TA

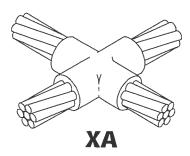
HORIZONTAL TEE

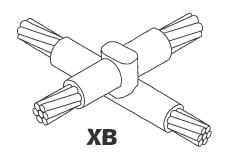
CABLE SIZE Run Tap		MOLD PART NO.	WELD METAL		
3/0	3/0 2/0 1/0	TA C -2L2L TA C -2L2G TA C -2L2C	115 90 90		
	1 2 2 SOL 4	TAC-2L1Y TAC-2L1V TAC-2L1T TAC-2L1L	45 45 45 45		
	6 6 SOL 8 8 SOL	PCC-2L1H PCC-2L1G PCC-2L1E PCC-2L1D	90 90 90 90		
	4/0 3/0 2/0 1/0	TA C -2Q2Q TA C -2Q2L TA C -2Q2G TA C -2Q2C	150 115 90 90		
4/0	1 2 2 SOL 4	TAC-2Q1Y TAC-2Q1V TAC-2Q1T TAC-2Q1L	90 90 90 90		
	6 6 SOL 8 8 SOL	PCC-2Q1H PCC-2Q1G PCC-2Q1E PCC-2Q1D	90 90 90 90		
250	250 4/0 3/0 2/0 1/0	TAC-2V2V TAC-2V2Q TAC-2V2L TAC-2V2G TAC-2V2C	150 150 150 90 90		
	1 2 2 SOL 4	TAC-2V1Y TAC-2V1V TAC-2V1T TAC-2V1L	90 90 90 90		
300	300 250 4/0 3/0 2/0	TAC-3A3A TAC-3A2V TAC-3A2Q TAC-3A2L TAC-3A2G	200 150 150 150 90		
	1/0 1 2 2 SOL 4	TAC-3A2C TAC-3A1Y TAC-3A1V TAC-3A1T TAC-3A1L	90 90 90 90 90		

CABLE Run	SIZE Tap	MOLD PART NO.	WELD METAL
350	350 300 250 4/0 3/0	TAC-3D3D TAC-3D3A TAC-3D2V TAC-3D2Q TAC-3D2L	200 200 200 150 150
	2/0 1/0 1 2 4	TAC-3D2G TAC-3D2C TAC-3D1Y TAC-3D1V TAC-3D1L	90 90 90 90 90
E00	500 TAC-3Q3Q 350 TAC-3Q3D 300 TAC-3Q3A 250 TAC-3Q2V 4/0 TAC-3Q2Q	2-150 200 200 200 200 150	
500	2/0 1/0 1 2 4	TAC-3Q2G TAC-3Q2C TAC-3Q1Y TAC-3Q1V TAC-3Q1L	90 90 90 90 90
750	750 500 350 300	TAD-4L4L TAD-4L3Q TAC-4L3D TAC-4L3A	500 2-200 250 200
	250 4/0 2/0 1/0	TA C -4L2V TA C -4L2Q TA C -4L2G TA C -4L2C	200 150 150 150
1000	1000 750 500 350 300	TAD-4Y4Y TAD-4Y4L TAD-4Y3Q TAC-4Y3D TAC-4Y3A	500 500 2-200 250 200
	250 4/0 2/0 1/0	TAC-4Y2V TAC-4Y2Q TAC-4Y2G TAC-4Y2C	200 150 150 150

HORIZONTAL X

XA/XB





HORIZONTAL X CONNECTIONS

- XA Cross of horizontal cables, tap cable cut cables in same plane.
- XB Cross of horizontal cables, lapped and not cut.
- · Concentric stranded copper cable unless otherwise noted.
- Solid conductor may be either copper or Copperweld[®].
- · Bold letter in mold part number is the price key.

REQUIRED TOOLS

Handle Clamps L160 for C Price Key Molds L159 for D Price Key Molds

Clamps are included with M, P and V Price Key Molds

Flint Ignitor T320 (Included with Handle Clamp or frame but also available separately)

SUGGESTED TOOLS

Cable Cleaning Brush
Slag Removal Spade
Mold Cleaning Brush
Cable Clamp
Torch Head
T313 or T314
B136A or B136B
T394
B265
T111

ACCESSORIES

See Section A

		TYPE	XA	TYPE	ХВ
CABL	E SIZE	MOLD	WELD	MOLD	WELD
Run	Tap	PART NO.	METAL	PART NO.	
6 SOL	6 SOL	USE XB	-	XBP-1G1G	32
6	6	USE XB		XBP-1H1H	45
4	4	XAC-1L1L	45	XBC-1L1L	65
2	2	XA C -1V1V	65	XBC-1V1V	90
	4	XA C -1V1L	65	XBC-1V1L	65
2 SOL	2 SOL	XA C- 1T1T	65	XB C -1T1T	90
1	1	XA C -1Y1Y	65	XBC-1Y1Y	115
	2	XA C -1Y1V	65	XBC-1Y1V	90
	4	XA C -1Y1L	65	XBC-1Y1L	90
1/0	1/0	XAC-2C2C	90	XBM-2C2C	150
	1	XAC-2C1Y	90	XBM-2C1Y	150
	2	XAC-2C1V	90	XBM-2C1V	115
	4	XAC-2C1L	90	XBM-2C1L	115
2/0	2/0	XA C -2G2G	115	XBM-2G2G	200
	1/0	XA C -2G2C	115	XBM-2G2C	200
	1	XA C -2G1Y	115	XBM-2G1Y	150
	2	XA C -2G1V	115	XBM-2G1V	150

XA/XB

HORIZONTAL X

TYPE XA TYPE XB					VP
CABLE SIZE		MOLD	WELD	MOLD	WELD
Run	Тар	PART NO.	METAL	PART NO.	METAL
	3/0	XAC-2L2L	150	XBM-2L2L	250
	2/0	XAC-2L2G	150	XBM-2L2G	200
3/0	1/0	XAC-2L2C	115	XBM-2L2C	200
	1	XAC-2L1Y	115	XBM-2L1Y	150
	2	XAC-2L1V	115	XB M -2L1V	150
	4/0	XA C -2Q2Q	200	XBM-2Q2Q	250
	3/0	XAC-2Q2L	200	XBM-2Q2L	250
4/0	2/0	XA C -2Q2G	150	XB M -2Q2G	200
4/0	1/0	XA C -2Q2C	150	XBM-2Q2C	200
	1	XA C -2Q1Y	115	XBM-2Q1Y	150
	2	XA C -2Q1V	115	XB M -2Q1V	150
	250	XAC-2V2V	200	XB M -2V2V	2-150
	4/0	XAC-2V2Q	200	XB M -2V2Q	2-150
	3/0	XAC-2V2L	200	XB M -2V2L	2-150
250	2/0	XAC-2V2G	150	XBM-2V2G	250
	1/0	XA C- 2V2C	150	XB M -2V2C	250
	1	XAC-2V1Y	115	XB M -2V1Y	200
	2	XAC-2V1V	115	XB M -2V1V	150
	300	XAC-3A3A	250	XB V -3A3A	2-200
	250	XAC-3A2V	250	XB V -3A2V	2-200
	4/0	XAC-3A2Q	200	XBM-3A2Q	2-150
300	3/0	XAC-3A2L	200	XBM-3A2L	2-150
	2/0	XAC-3A2G	150	XB M -3A2G	250
	1/0	XAC-3A2C	150	XBM-3A2C	250
	1 1	XAC-3A1Y	115	XBM-3A1Y	200
	2	XAC-3A1V	115 ————	XB M -3A1V	150
	350	XAC-3D3D	250	XB V -3D3D	500
	300	XAC-3D3A	250	XB V -3D3A	500
	250 4/0	XAC-3D2V XAC-3D2Q	250 200	XB V -3D2V	500
	3/0	XAC-3D2L	200	XBV-3D2Q XBV-3D2L	2-200 2-200
350	2/0	VAC 2020	200		
	1/0	XAC-3D2G XAC-3D2C	200	XBM-3D2G	2-150
	1 1/0	XAC-3D2C XAC-3D1Y	200 150	XBM-3D2C	250
	2	XAC-3D1V	150	XBM-3D1Y XBM-3D1V	200
				VDIAL-3D IA	200
	500 350	XA D -3Q3Q XA D -3Q3D	500 2-200	XB V -3Q3Q XB V -3Q3D	3-250
	300	XA D -3Q3D	2-200	XBV-3Q3D XBV-3Q3A	3-200
	250	XAD-3Q2V	2-150	XB V -3Q3A XB V -3Q2V	- 3-200 500
500	4/0	XA D -3Q2Q	2-150	XB V -3Q2Q	E00
	3/0	XA D -3Q2L	2-150	XBV-3Q2Q	500 500
	2/0	XA C -3Q2G	250	XB V -3Q2G	2-200
	1/0	XA C -3Q2C	250	XB M -3Q2C	2-200

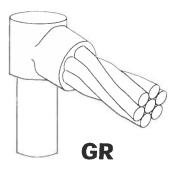
OTHER CABLE TO CABLE CONNECTIONS

The connections shown below are for use only where connections shown in this catalog are not suitable.

NAME	TYPE		EASE	SPLIT	NAME	TYPE		EASE	SPLIT
Parallel Dead End	PJ	l Gar	1	V	Tee	TC	²⁵⁵ 	3	٧
	PK	4.4	2	*		TD	高高	3	*
	PM		3	V		TE	10 mm	3	*
	PN	(a ()	3	V		TF		3	V
Parallel Tap	PA		2	*		TL		3	V
	РВ		3	٧		TV		3	V
	PD		3	٧	X - Vertical Horizontal Cable Uncut	XD		3	V
Splice	PP		1	*	X - Vertical Vertical Cable Uncut	хс	G G	3	V
	PQ		3	V	X - Vertical Neither Cable Uncut	XF		3	*
	PR		2	V	х	XG		3	*
	sc		1	*	Y • 45' tap	YC	G o	3	٧
	SD		3	V	Y - 45' tap	YD		3	٧
	SE		3	V	Y - 45' tap	YE		3	V
	SV		3	V	Y - 45' tap	YR		3	_H

CABLE TO GROUND ROD

GR



CABLE TO GROUND ROD

- Single cable to top of ground rod. Concentric strand copper cable unless otherwise noted. For copper clad, galvanized, stainless clad or stainless steel ground
- · Bold letter in mold part number is the price key.

REQUIRED TOOLS

Handle Clamps L160 for C Price Key Molds
Clamps are included with T and P

Price Key Molds

Flint Ignitor

T320 (Included with Handle Clamp or frame but also available separately)

SUGGESTED TOOLS

Cable Cleaning Brush

T313 or T314

Slag Removal Spade Mold Cleaning Brush

B136A or B136B

File

T394 T329

Cable Clamp Torch Head

B265 T111

ACCESSORIES

See Section A

GROUND CABLE ROD SIZE SIZE			MOLD PART NUMBER			
		Steel	Copper Clad Plain (unthreaded)	Copper Clad Sectional (with 9/16" threads)	METAL	
	6	GR T -14C1H	GR T -14A1H	GR T -14B1H	25	
1/2"	6 SOL	GR T- 14C1G	GR T -14A1G	GR T -14B1G	25	
	4	GR T -14C1L	GR T -14A1L	GR T -14B1L	25	
J i	4 SOL	GR T -14C1K	GR T -14A1K	GR T -14B1K	25	
	2 SOL	GR T- 14C1T	GR T -14A1T	GR T -14B1T	32	
	2	GR T -14C1V	GR T -14A1V	GR T- 14B1V	32	

		Steel or Copper Clad Sectional (with 9/16" threads)	Copper Clad Plain (unthreaded)	Copper Clad Sectional (with 1/2" threads)	
1/2"	1	GR C -141Y	GR C -151Y	GR C -131Y	65
	1/0	GR C -142C	GR C -152C	GR C -132C	90
	1/0 SOL	GR C -142B	GR C -152B	GR C -132B	90
	2/0	GR C -142G	GR C -152G	GR C -132G	90
1/2"	3/0	GR C -142L	GR C -152L	GR C -132L	90
	4/0	GR C -142Q	GR C -152Q	GR C -132Q	90
	250	GR C -142V	GR C -152V	GR C -132V	90
	300	GR C -143A	GR C -153A	GR C -133A	90

GR

CABLE TO GROUND ROD

GROUND	CABLE	MOLD	WELD	
ROD	SIZE	Copper Clad Plain (unthreaded)	Steel or Copper Clad Sectional (threaded)	METAL
5/8"	6 6 SOL 4 4 SOL	GRT-161H GRT-161G GRT-161L GRT-161K	GRT-311H GRT-311G GRT-311L GRT-311K	32 32 32 32 32

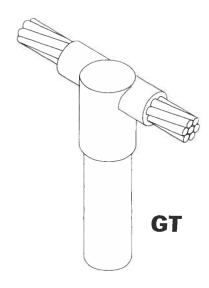
		Copper Clad Sectional (threaded) or Plain	Steel	
	2 SOL 2 1	GR C- 161T GR C- 161V GR C- 161Y	GR C -311T GR C -311V GR C -311Y	65 65
	1/0 1/0 SOL	GR C -162C GR C -162B	GR C -3117 GR C -312C GR C -312B	65 90 90
5/8"	2/0 3/0 4/0 250	GR C -162G GR C -162L GR C -162Q GR C -162V	GR C -312G GR C -312L GR C -312Q GR C -312V	90 90 90 90
	300 350 500	GR C -163A GR C -163D GR C -163Q	GR C -313A GR C -313D GR C -313Q	115 115 150

		Copper Clad Plain (unthreaded)	Steel or Copper Clad Sectional (threaded)	
3/4"	6	GR T -181H	GR T -331H	32
	6SOL	GR T -181G	GR T -331G	32
	4	GR P -181L	GR P -331L	45
	4 SOL	GR P -181K	GR P -331K	45

		Copper Clad Sectional (threaded) or Plain	Steel	
	2 SOL	GR C -181T	GR C -331T	90
	2	GR C -181V	GR C -331V	90
	1	GR C -181Y	GR C -331Y	90
	1/0	GR C -182C	GR C -332C	90
3/4"	1/0 SOL	GR C -182B	GRC-332B	90
	2/0	GR C -182G	GR C -332G	90
	3/0	GR C -182L	GR C -332L	90
	4/0	GR C -182Q	GR C -332Q	90
	250	GR C -182V	GR C- 332V	90
	300	GR C -183A	GR C -333A	115
i	350	GR C -183D	GR C -333D	115
	500	GR C -183Q	GR C -333Q	150
1"		CONTACT FACTORY FO	OR ORDERING INF	FORMATION

CABLE TO GROUND ROD

GT



THROUGH CABLE TO GROUND ROD

- Through cable to top of ground rod. Connections are for concentric strand copper cable unless otherwise noted.
 For copper clad, galvanized, stainless clad or stainless steel ground rods.
- · Bold letter in mold part number is the price key.

REQUIRED TOOLS

Handle Clamps L160 for C Price Key Molds

Clamps are included with T or P Price Key Molds

Flint Ignitor

T320 (Included with Handle Clamp or frame but also available eparately)

SUGGESTED TOOLS

Cable Cleaning Brush
Slag Removal Spade
Mold Cleaning Brush
T313 or T314
B136A or B136B
T394

Mold Cleaning Brush T394
File T329
Torch Head T111

ACCESSORIES

See Section A

GROUND	CABLE		WELD		
ROD SIZE	SIZE	Steel	Copper Clad Plain (untireaded)	Copper Gad Sectional (with 9/16" threads)	METAL
1/2"	6 6 SOL 4 4 SOL	GTT-14C1H GTT-14C1G GTT-14C1L GTT-14C1K	GT T -14A1H GT T -14A1G GT T -14A1L GT T -14A1K	GT T- 14B1H GT T- 14B1G GT T- 14B1L GT T- 14B1K	32 32 32 32

		Steel or Copper Clad Sectional (with 9/16" threads)	Copper Clad Plain (unthreaded)	Copper Clad Sectional (with 1/2" threads)	
	2 SOL	GT C -141T	GT C -151T	GT C -131T	90
	2	GT C- 141V	GTC-151V	GT C -131V	90
	1 1	GT C -141Y	GTC-151Y	GT C -131Y	90
	1/0	GT C- 142C	GT C- 152C	GT C -132C	90
71	1/0 SOL	GT C -142B	GT C -152B	GT C -132B	90
1/2"	2/0	GT C -142G	GT C -152G	GT C -132G	90
	3/0	GT C -142L	GT C -152L	GTC-132L	115
	4/0	GT C -142Q	GTC-152Q	GT C -132Q	115
	250	GT C -142V	GTC-152V	GT C -132V	150
	300	GT C -143A	GTC-153A	GT C -133A	200

GT

CABLE TO GROUND ROD

GROUND	CABLE	MOLD	WELD	
ROD SIZE	SIZE	Copper Clad Plain (unthreaded)	Steel or Copper Clad Sectional (threaded)	METAL
5/8"	6 6 SOL 4 4 SOL	GT T -161H GT T -161G GT T -161L GT T -161K	GT T -311H GT T -311G GT T -311L GT T -311K	32 32 32 32 32

		Copper Clad Sectional (threaded) or Plain	Steel	
5/8"	2 SOL 2 1 1/0 1/0 SOL 2/0 3/0	GTC-161T GTC-161V GTC-161Y GTC-162C GTC-162B GTC-162G GTC-162L	GTC-311T GTC-311V GTC-311Y GTC-312C GTC-312B GTC-312G GTC-312L	90 90 90 90 115 115
	4/0 250 300 350 500	GT C -162Q GT C -162V GT C -163A GT C -163D GT C -163Q	GTC-312Q GTC-312V GTC-313A GTC-313D GTC-313Q	115 150 200 200 250

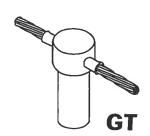
		Copper Clad Plain (unthreaded)	Steel or Copper Clad Sectional (threaded)	
3/4"	6	GT P -181H	GT P- 331H	45
	6 SOL	GT P -181G	GT P- 331G	45
	4	GT P -181L	GT P- 331L	65
	4 SOL	GT P -181K	GT P- 331K	65

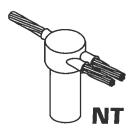
		Copper Clad Sectional (threaded) or Plain	Steel		
	2 SOL	GTC-181T	GTC-33IT	90	
	2	GTC-181V	GTC-33IV	90	
	1	GTC-181Y	GTC-331Y	90	
	1/0	GTC-182C	GTC-332C	115	
	1/0 SOL	GTC-182B	GTC-332B	115	
3/4"	2/0	GT C -182G	GTC-332G	115	
	3/0	GT C -182L	GTC-332L	115	
	4/0	GT C -182Q	GTC-332Q	115	
	250	GT C -182V	GTC-332V	150	
	300	GT C -183A	GT C -333A	200	
	350	GT C -183D	GT C -333D	200	
	500	GT C -183Q	GT C -333Q	250	
1"	CONTACT ERICO FOR ORDERING INFORMATION				

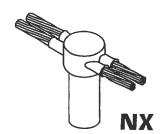
ONE-SHOT™ CABLE TO GROUND ROD

GR/GT/NT/NX









ONE-SHOT connections are available in standard packages of 12 each.

CABLE TO GROUND ROD USING CADWELD ONE-SHOT CONNECTIONS

For both plain or threaded copper clad and galvanized steel or stainless steel rods. The CADWELD ONE-SHOT case is a ceramic disposable body replacing the familiar semi-permanent graphite mold and associated Handle Clamp. Everything required is included except the flint ignitor.

R.E.A. Accepted NEC Approved

REQUIRED TOOLS

Flint Ignitor

T320

SUGGESTED TOOLS

Cable Cleaning Brush

T313 or T314

File Torch Head T329

T111

ACCESSORIES

See Section A

ONE-SHOT now available for cable to cable see page 1-9

GROUND ROD SIZE	COND Solid S	UCTOR tranded	CON TYPE GR	NECTOR CATA	LOG NUMBER TYPE NT	TYPE NX
1/2"	6,8 3,4 1,2	8 4,6 2,3	GR1-141G GR1-141L GR1-141V	GT1-141G GT1-141L GT1-141V	NT1-141G NT1-141L	NX1-141G NX1-141L —
5/8"	6,8 3,4 1,2 2/0, 1/0	8 4,6 2,3 1/0, 1 2/0 4/0	GR1-161G GR1-161L GR1-161V GR1-162C GR1-162G GR1-162Q	GT1-161G GT1-161L GT1-161V GT1-162C	NT1-161G NT1-161L NT1-161V ———————————————————————————————————	NX1-161G NX1-161L NX1-161V ———————————————————————————————————
3/4"	6,8 3,4 1,2 2/0, 1/0	8 4,6 2,3 1/0, 1 2/0 4/0	GR1-181G GR1-181L GR1-181V GR1-182C GR1-182G GR1-182Q	GT1-181G GT1-181L GT1-181V GT1-182C	NT1-181G NT1-181L NT1-181V —	NX1-181G NX1-181L NX1-181V —

OTHER CABLE TO CABLE CONNECTIONS

The connections shown below are for use only where connections shown in this catalog are not suitable.

NAME	ТУРЕ		EASE	SPLIT
Parallel Tap	GQ		3	٧
	GS	100	1	V
Parallel Thru	DQ		1	٧
	GP	<u> </u>	3	V
	GW		1	V
Splice	GD		3	V
срс	GE	17.00	1	V
	GF		1	V
	GV		1	V

NAME	ТУРЕ		EASE	SPLIT
Тее	GG		1	*
	GH		3	V
	GJ	€ · · · · o	1	*
	GK		3	V
	GM		2	V
	GN		2	٧
	GX		3	٧
		a		
Y - 45° Тар	vw	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	2	٧

CADWELD® Connections Used for Grounding Reinforcing Bars

CADWELD provides efficient and permanent connections for both grounding and attaching lightning protection conductors to rebar. When making CADWELD connections to rebar, the normal materials required are: mold, handle and weld metal. In addition, packing material is also required. These materials act as a seal between the mold and rebar to prevent leaks. One unit of packing material must be ordered for each weld.

CADWELD® Connections to Structural Reinforcing Bar and Anchor Bolts

Welding of ground conductors to reinforcing bars (rebar) by the CADWELD process should not be harmful if stresses in the rebar are below yield. As design stresses are normally only about 50% to 60% of the nominal yield strength of the rebar, welding by the CADWELD process should not be detrimental under design stresses.

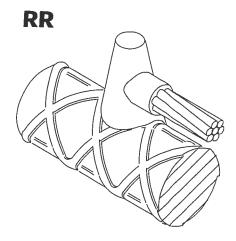
As the ACI Building Code (ACI318-89 commentary, 12.15) advises, "splices should, if possible, be located away from points of maximum tensile stress." The same advice should apply to locations of CADWELD connections of a ground conductor to rebar. Where possible, locate the weld area away from areas of maximum tensile stress, e.g., near the free end of the bar in a lap splice, on the hook extension for a hooked bar, etc. The same considerations apply to CADWELD connections to anchor bolts.

NOTE:

For lightning protection applications where the main lightning protection conductor is connected to the rebar, ERICO recommends a 2/0 AWG copper conductor for structures over 75 feet in height and a #2 AWG copper conductor for structures under 75 feet. For a bonding conductor, a #6 AWG copper may be used. These sizes meet NFPA78 Code requirement. Anchor bolts are connected in the same way.

All welds to rebar requiring larger than a #150 weld metal will be sold only after review by ERICO.

RR



CABLE TO REBAR

- · Horizontal cable tap to horizontal rebar.
- Rebar material characteristics and location of weld must be considered when selecting connections to rebar.
- Concentric stranded copper cable is listed.
- · Bold letter in mold part number is the price key.

REQUIRED TOOLS

Handle Clamps L160 for C Price Key Molds

Mold frame included with A and H Price

Key Molds

Flint Ignitor T320 (Included with Handle Clamp

or frame but also available separately)

Packing One required for each connection - see

tables which follow

SUGGESTED TOOLS

Cable Cleaning Brush T313 or T314 Slag Removal Spade B136A or B136B

Mold Cleaning Brush File

T394

File T329 Torch Head T111

ACCESSORIES

See Section A

REBAR SIZE	CABLE SIZE	MOLD PART NO.	WELD METAL	PACKING PART NO.
	6	RR C- 511H	25	None
	4	RR C -511L	32	None
	2 SOL	RR C- 511T	45	None
	2	RR C -511V	45	None
3	1	RR C -511Y	65	None
	1/0	RR C -512C	90	None
	2/0	RR C- 512G	90	None
ĺ	3/0	RR C- 512L	115	None
	4/0	RR C -512Q	115	None
	6*	RR A- 521H	25	B-143A
	4	RR A -521L	32	B-143A
	2 SOL	RR A -521T	45	B-143A
	2	RR A -521V	45	B-143A
4	1	RR A -521Y	65	B-143A
	1/0	RR C -522C	90	B-141A
	2/0	RR C -522G	90	B-141A
	3/0	RR C- 522L	115	B-141A
L	4/0	RR C -522Q	115	B-141A

REBAR SIZE	CABLE SIZE	MOLD PART NO.	WELD METAL	PACKING PART NO.
	6*	RR A- 531H	25	B-143A
	4	RR A -531L	32	B-143A
	2 SOL	RRA-531T	45	B-143A
	2	RR A -531V	45	B-143A
5	1	RR A -531Y	65	B-143A
	1/0	RR C -532C	90	B-141A
	2/0	RR C -532G	90	B-141A
	3/0	RR C -532L	115	B-141A
	4/0	RR C -532Q	115	B-141A
	6*	RR A -541H	25	B-143B
	4	RR A- 541L	32	B-143B
	2 SOL	RRA-541T	45	B-143B
	2	RR A -541V	45	B-143B
6	1	RR A -541Y	65	B-143B
	1/0	RR H- 542C	90	B-144C
	2/0	RR H -542G	90	B-144C
	3/0	RR H -542L	115	B-144C
	4/0	RR H -542Q	115	B-144C

^{*}Requires sleeve B112 (1 per connection)

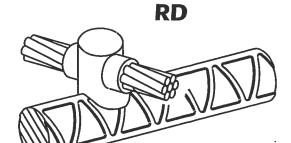
RR

CABLE TO REBAR

REBAR	CABLE	MOLD	WELD	PACKING
SIZE	SIZE	PART NO.	METAL	
	4	RR A -551L	32	B-143B
	2	RR A- 551V	45	B-143B
	2 SOL	RR A -551T	45	B-143B
	1	RR A -551Y	65	B-143B
7	1/0	RR H -552C	90	B-144C
	2/0	RR H -552G	90	B-144C
	3/0	RR H- 552L	115	B-144A
	4/0	RR H- 552Q	115	B-144A
	2 SOL	RR A -561T	45	B-143B
	2	RR A -561V	45	B-143B
	1	RR A -561Y	65	B-143B
8	1/0	RR H -562C	90	B-144C
	2/0	RR H -562G	90	B-144C
	3/0	RR H -562L	115	B-144A
	4/0	RR H -562Q	115	B-144A
	2 SOL	RR A -571T	45	B-143B
	2	RR A- 571V	45	B-143B
	1	RR A -571Y	65	B-143B
9	1/0	RR H -572C	90	B-144C
	2/0	RR H -572G	90	B-144C
	3/0	RR H- 572L	115	B-144A
	4/0	RR H- 572Q	115	B-144A

NG NO.
3B
3B
3B
4C
4C
4A
4A
3B
3B
3B
4C
4C
4A
4A
4C
4C
4A
4A
4C
4C
4A
4A

RD



CABLE TO REBAR

- · X connection horizontal cable to horizontal rebar.
- · Rebar material characteristics and location of weld must be considered when selecting connections to rebar.
- · Concentric stranded copper cable is listed.
- · Bold letter in mold part number is the price key.

REQUIRED TOOLS

Handle Clamps L160 for C Price Key Molds

Mold frame included with M and H

Price Key Molds

Flint Ignitor

T320 (Included with Handle Clamp and frames but also available separately)

Packing

One required for each connection - see

tables which follow

SUGGESTED TOOLS

Cable Cleaning Brush

T313 or T314

Slag Removal Spade Mold Cleaning Brush

B136A or B136B T394

File

T329

Torch Head

T111

ACCESSORIES

See Section A

REBAR SIZE	CABLE SIZE	MOLD PART NO.	WELD METAL	PACKING PART NO.
	6*	RD C -511H	65	B-141A
l	4	RD C -511L	65	B-141A
	2 SOL	RD C- 511T	90	B-141A
1	2	RD C -511V	90	B-141A
3	1	RD C -511Y	90	B-141A
	1/0	RD M -512C	115	B-141A
ļ.	2/0	RD M -512G	115	B-141A
l .	3/0	RD M -512L	150	B-141A
	4/0	RD M -512Q	150	B-141A
	6*	RD C -521H	65	B-141A
	4	RD C -521L	65	B-141A
l	2 SOL	RD C- 521T	90	B-141A
	2	RD C- 521V	90	B-141A
4	1	RD M -521Y	90	B-141A
1	1/0	RD M -522C	115	B-141A
	2/0	RD M -522G	115	B-141A
	3/0	RD M -522L	150	B-141A
)	4/0	RD M -522Q	150	B-141A

*Requires s	leeve B	112 (2 per	connection)
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REBAR SIZE	CABLE SIZE	MOLD PART NO.	WELD METAL	PACKING PART NO.
	6*	RDC-531H	65	B-141A
	4	RDC-531L	65	B-141A
	2 SOL	RD C -531T	90	B-141A
	2	RD C -531V	90	B-141A
5	1	RDM-531Y	90	B-141A
	1/0	RDM-532C	115	B-141A
	2/0	RD M -532G	115	B-141A
	3/0	RDM-532L	150	B-141A
	4/0	RD M -532Q	150	B-141A
	6*	RD H -541H	65	B-144C
	4	RD H -541L	65	B-144C
	2 SOL	RD H -541T	90	B-141C
1	2	RD H -541V	90	B-144C
6	1	RD H -541Y	90	B-144C -
	1/0	RD H -542C	115	B-144C
	2/0	RD H -542G	115	B-144C
	3/0	RD H- 542L	150	B-144A
	4/0	RD H -542Q	150	B-144A
		1		

^{*}Requires sleeve B112 (2 per connection)

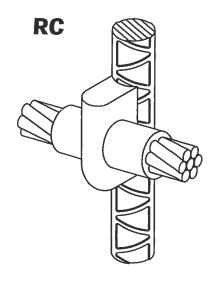
RD

CABLE TO REBAR

REBAR SIZE	CABLE SIZE	MOLD PART NO.		PACKING PART NO.
	4	RD H -551L	65	B-144C
	2 SOL	RD H -551T	90	B-144C
	2	RD H -551V	90	B-144C
	1	RD H -551Y	90	B-144C
7	1/0	RD H -552C	115	B-144C
	2/0	RD H -552G	115	B-144C
	3/0	RD H- 552L	150	B-144A
	4/0	RD H -552Q	150	B-144A
	2 SOL	RD H -561T	90	B-144C
	2	RD H -561V	90	B-144C
	1	RD H -561Y	90	B-144C
8	1/0	RD H -562C	115	B-144C
	2/0	RD H -562G	115	B-144C
	3/0	RD H -562L	150	B-144A
	4/0	RD H -562Q	150	B-144A
	2 SOL	RD H -571T	90	B-144C
	2	RD H -571V	90	B-144C
	1	RD H -571Y	90	B-144C
9	1/0	RD H -572C	115	B-144C
	2/0	RD H -572G	115	B-144C
	3/0	RD H -572L	150	B-144A
	4/0	RD H- 572Q	150	B-144A

REBAR SIZE	CABLE SIZE	MOLD PART NO.		PACKING PART NO.
	2 SOL	RD H -581T	90	B-144C
	2	RD H -581V	90	B-144C
	1	RD H -581Y	90	B-144C
10	1/0	RD H -582C	115	B-144C
	2/0	RD H -582G	115	B-144C
	3/0	RD H -582L	150	B-144A
	4/0	RD H -582Q	150	B-144A
	2 SOL	RD H- 591T	90	B-144C
	2	RD H- 591V	90	B-144C
	1	RD H -591Y	90	B-144C
11	1/0	RD H- 592C	115	B-144C
	2/0	RD H -592G	115	B-144C
	3/0	RD H- 592L	150	B-144A
	4/0	RD H -592Q	150	B-144A
	1/0	RD H -602C	115	B-144C
14	2/0	RD H- 602G	115	B-144C
	3/0	RD H -602L	150	B-144A
	4/0	RD H -602Q	150	B-144A
	1/0	RD H- 612C	115	B-144C
18	2/0	RD H -612G	115	B-144C
[3/0	RD H -612L	150	B-144A
	4/0	RD H -612Q	150	B-144A

RC



CABLE TO REBAR

- · Through connection horizontal cable to vertical rebar.
- Rebar material characteristics and location of weld must be considered when selecting connections to rebar.
- · Concentric stranded copper cable is listed.
- · Bold letter in mold part number is the price key.

REQUIRED TOOLS

Handle Clamps L160 for E Price Key Molds

Frame included with E Price Key Molds

Flint Ignitor

T320 (Included with Handle Clamp and frame but also available separately)

Packing

One required for each connection - see

tables which follow

SUGGESTED TOOLS

Cable Cleaning Brush Slag Removal Spade

T313 or T314 B136A or B136B

Mold Cleaning Brush File

T394

Torch Head

T329 T111

ACCESSORIES

See Section A

REBAR SIZE	CABLE SIZE	MOLD PART NO.	WELD METAL	PACKING PART NO.
	6*	RCE-511H	90	B-140A
	4	RCE-511L	90	B-140A
	2 SOL	RCE-511T	90	B-140A
	2	RC E -511V	90	B-140A
3	1	RC E -511Y	115	B-140A
	1/0	RC E -512C	115	B-140A
	2/0	RC E- 512G	115	B-140A
	3/0	RCE-512L	150	B-140A
	4/0	RC E- 512Q	150	B-140A
	6*	RC E- 521H	90	B-140A
	4	RC E -521L	90	B-140A
	2 SOL	RCE-521T	90	B-140A
	2	RC E -521V	90	B-140A
4	1	RC E -521Y	115	B-140A
	1/0	RCE-522C	115	B-140A
	2/0	RC E -522G	115	B-140A
	3/0	RC E -522L	150	B-140A
	4/0	RC E -522Q	150	B-140A

Requires	sleeve	B11	2 (2	per	connection)
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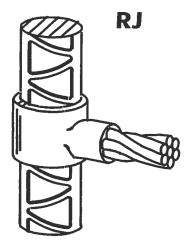
REBAR SIZE	CABLE SIZE	MOLD PART NO.	WELD METAL	PACKING PART NO.
	6*	RCE-531H	90	B-140A
	4	RC E- 531L	90	B-140A
	2 SOL	RCE-531T	90	B-140A
	2	RCE-531V	90	B-140A
5	1	RCE-531Y	115	B-140A
	1/0	RCE-532C	115	B-140A
	2/0	RC E -532G	115	B-140A
	3/0	RCE-532L	150	B-140A
	4/0	RC E -532Q	150	B-140A
	6*	RC E- 541H	90	B-144B
	4	RCE-541L	90	B-144B
	2 SOL	RCE-541T	90	B-140B
	2	RCE-541V	90	B-144B
6	1	RCE-541Y	115	B-144B
	1/0	RC E -542C	115	B-144B
	2/0	RC E -542G	115	B-144B
	3/0	RCE-542L	150	B-144B
	4/0	RCE-542Q	150	B-144B
		l		_

^{*}Requires sleeve B112 (2 per connection)

REBAR SIZE	CABLE SIZE	MOLD PART NO.	WELD METAL	
	4	RC E -551L	90	B-144B
	2 SOL	RC E- 551T	90	B-144B
	2	RCE-551V	90	B-144B
	1	RCE-551Y	115	B-144B
7	1/0	RC E -552C	115	B-144B
	2/0	RC E -552G	115	B-144B
	3/0	RCE-552L	150	B-144B
	4/0	RC E -552Q	150	B-144B
	2 SOL	RCE-561T	90	B-144B
	2	RCE-561V	90	B-144B
	1	RCE-561Y	115	B-144B
8	1/0	RC E -562C	115	B-144B
	2/0	RC E -562G	115	B-144B
	3/0	RC E- 562L	150	B-144B
	4/0	RC E -562Q	150	B-144B
	2 SOL	RCE-571T	90	B-144B
	2	RC E -571V	90	B-144B
	1	RC E -571Y	115	B-144B
9	1/0	RCE-572C	115	B-144B
	2/0	RC E -572G	115	B-144B
	3/0	RC E- 572L	150	B-144B
	4/0	RC E -572Q	150	B-144B

REBAR SIZE	CABLE SIZE	MOLD PART NO.	WELD METAL	PACKING PART NO.
	2 SOL	RC E -581T	90	B-144B
	2	RC E -581V	90	B-144B
	1	RC E -581Y	115	B-144B
10	1/0	RC E -582C	115	B-144B
	2/0	RC E -582G	115	B-144B
	3/0	RC E -582L	150	B-144B
	4/0	RC E -582Q	150	B-144B
	2 SOL	RC E -591T	90	B-144B
	2	RC E -591V	90	B-144B
	1	RC E -591Y	115	B-144B
11	1/0	RCE-592C	115	B-144B
	2/0	RC E -592G	115	B-144B
	3/0	RC E -592L	150	B-144B
	4/0	RC E -592Q	150	B-144B
	1/0	RC E- 602C	115	B-144B
14	2/0	RC E -602G	115	B-144B
	3/0	RC E- 602L	150	B-144B
	4/0	RC E -602Q	150	B-144B
	1/0	RC E- 612C	115	B-144B
18	2/0	RC E -612G	115	B-144B
	3/0	RC E- 612L	150	B-144B
	4/0	RC E -612Q	150	B-144B

RJ



CABLE TO REBAR

- · Tee connection horizontal cable tap to vertical rebar.
- Rebar material characteristics and location of weld must be considered when selecting connections to rebar.
- Concentric stranded copper cable is listed.
- · Bold letter in mold part number is the price key.

REQUIRED TOOLS

Handle Clamps L160 for C and E Price Key Molds

Frame included with E Price Key Molds

Flint Ignitor T320 (Included with Handle Clamp

and frames but also available separately)

Packing One required for each connection - see

tables which follow

SUGGESTED TOOLS

Cable Cleaning Brush T313 or T314 Slag Removal Spade B136A or B136B

Mold Cleaning Brush T394 File T329 Torch Head T111

ACCESSORIES

See Section A

REBAR SIZE	CABLE SIZE	MOLD PART NO.	WELD METAL	PACKING PART NO.
	6* 4	RJ C -511H RJ C -511L	45 65	B-140A B-140A
	2 SOL	RJ C -511T	65	B-140A
3	1	RJ C- 511V RJ C -511Y	65 90	B-140A B-140A
	1/0 2/0	RJ C -512C RJ C -512G	115 115	B-140A B-140A
	3/0 4/0	RJ C -512L RJ C -512L	150	B-140A
			150	B-140A
	6* 4	RJ C -521H RJ C -521L	45 65	B-140A B-140A
	2 SOL	RJ C- 521T	65	B-140A
4	1	RJ C -521V RJ C -521Y	65 90	B-140A B-140A
	1/0 2/0	RJ C -522C RJ C -522G	115 115	B-140A
	3/0 4/0	RJ C -522L RJ C -522Q	150 150	B-140A B-140A B-140A

*Requires sleeve B112 (2)	per connection)
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REBAR SIZE	CABLE SIZE	MOLD PART NO.	WELD METAL	PACKING PART NO.
	6*	RJ C- 531H	45	B-140A
	4	RJ C -531L	65	B-140A
	2 SOL	RJ C -531T	65	B-140A
	2	RJ C -531V	65	B-140A
5	1	RJ C -531Y	90	B-140A
	1/0	RJ C -532C	115	B-140A
	2/0	RJ C -532G	115	B-140A
	3/0	RJ C -532L	150	B-140A
	4/0	RJ C -532Q	150	B-140A
	6*	RJ C- 541H	45	B-140A
	4	RJ C -541L	65	B-140A
	2 SOL	RJ C- 541T	65	B-140A
	2	RJ C -541V	65	B-140A
6	1	RJ C -541Y	90	B-140B
	1/0	RJ C -542C	115	B-140B
	2/0	RJ C -542G	115	B-140B
	3/0	RJ C -542L	150	B-140B
	4/0	RJ C -542Q	150	B-140B

*Requires sleeve B112 (2 per connection)

RJ

CABLE TO REBAR

REBAR SIZE	CABLE SIZE	MOLD PART NO.		
	4	RJE-551L	65	B-144A
	2 SOL	RJE-551T	65	B-144A
	2	RJE-551V	65	B-144A
	1	RJE-551Y	90	B-144A
7	1/0	RJ E -552C	115	B-144B
	2/0	RJ E -552G	115	B-144B
	3/0	RJ E -552L	150	B-144B
	4/0	RJ E -552Q	150	B-144B
8	2 SOL	RJE-561T	65	B-144A
	2	RJE-561V	65	B-144A
	1	RJE-561Y	90	B-144A
	1/0	RJE-562C	115	B-144B
	2/0	RJ E -562G	115	B-144B
	3/0	RJ E -562L	150	B-144B
	4/0	RJ E -562Q	150	B-144B
9	2 SOL	RJ E -571T	65	B-144A
	2	RJ E -571V	65	B-144A
	1	RJ E -571Y	90	B-144A
	1/0	RJ E -572C	115	B-144B
	2/0	RJ E- 572G	115	B-144B
	3/0	RJ E- 572L	150	B-144B
	4/0	RJ E- 572Q	150	B-144B

REBAR SIZE	CABLE SIZE	MOLD PART NO.	WELD METAL	PACKING PART NO.
	2 SOL	RJ E -581T	65	B-144A
	2	RJ E -581V	65	B-144A
	1	RJ E -581Y	90	B-144A
10	1/0	RJ E -582C	115	B-144B
	2/0	RJ E -582G	115	B-144B
	3/0	RJ E -582L	150	B-144E
	4/0	RJ E -582Q	150	B-144E
	2 SOL	RJ E -591T	65	B-144A
	2	RJ E -591V	65	B-144A
	1	RJ E -591Y	90	B-144A
11	1/0	RJ E -592C	115	B-144B
	2/0	RJ E -592G	115	B-144B
	3/0	RJ E -592L	150	B-144E
	4/0	RJ E -592Q	150	B-144E
	1/0	RJ E -602C	115	B-144B
14	2/0	RJ E -602G	115	B-144B
	3/0	RJ E -602L	150	B-144E
	4/0	RJ E -602Q	150	B-144E
	1/0	RJ E- 612C	115	B-144B
18	2/0	RJ E -612G	115	B-144B
	3/0	RJ E -612L	150	B-144E
	4/0	RJ E- 612Q	150	B-144E

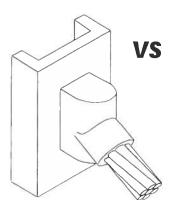
OTHER CABLE TO REBAR CONNECTIONS

The connections shown below are for use only where connections shown in this catalog are not suitable.

NAME	ТҮРЕ		EASE	SPLIT
EII	DT		2	٧
Parallel tap	DR		2	V
	RV		2	V
Parallel thru	RT		2	٧
	RW		2	V
Splice	RE	(CO) F.3	2	V
	RF	TOTAL	2	V
	RG		1	V
	SF		2	V
	SR	TAR- TAR	1	V

NAME	TYPE		EASE	SPLIT
Tee	RH	(KK)	1	*
	RK		1	*
	RL		2	٧
	RM	THE LATE	2	٧
	RN	TO TO	2	٧
	RP	_	2	V
	RQ	17 17 1000 1000 1000 1000 1000 1000 100	2	٧
X	XJ		1	*

VS



	TYPE VS		
CABLE SIZE	1		
6*	VSC-1H	45	
4	VSC-1L	45	
2 SOL	VSC-1T	45	
2	VSC-1V	45	
1	VSC-1Y	65	
1/0	VSC-2C	90	
2/0	VSC-2G	90	
3/0	VSC-2L	115	
4/0	VSC-2Q	115	
250	VSC-2V	115	
300	VSC-3A	150	
350	VSC-3D	200	
500	VSC-3Q	200	
750	VSD-4L	2-150	
1000	VSD-4Y	2-200	

^{*}Requires sleeve B-112 (1 per weld)

VERTICAL STEEL SURFACE

VERTICAL STEEL SURFACE

- Cable down at 45° to vertical steel surface including pipe.
- Cable to vertical flat steel surface; cable to side of vertical or horizontal steel pipe.
- CADWELD also has a complete product line for cathodic protection connections. See Bulletin CA1A.
- · Concentric stranded copper cable listed.
- A test weld should be made to check the possibility of burn through on thin sections or thin wall pipe.
- Bold letter in mold part number is the price key.

REQUIRED TOOLS

Handle Clamps L160 for C Price Key Molds L159 for D Price Key Molds

Flint Ignitor T320 (Included wi

T320 (Included with Handle Clamp but also available separately)

SUGGESTED TOOLS

Cable Cleaning Brush
Slag Removal Spade
Mold Cleaning Brush
T313 or T314
B136A or B136B
T394

Rasp T321 Torch Head T111

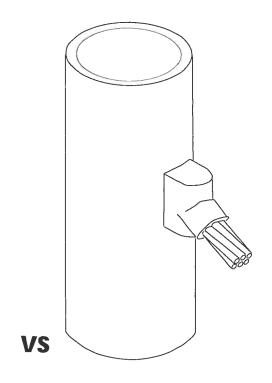
ACCESSORIES

See Section A

Cable to Vertical Steel Pipe — Use Flat surface mold part number; add V and suffix.					
Cable Nominal Pipe Size Suffix					
#6 thru 250	30" and smaller 32" and larger	Nominal Pipe Size None			
Ex	Example: 4/0 to 4" pipe, VSC-2Q-V4				
Cable to horizontal steel pipe – Add H and nominal pipe size to flat surface mold number. Example: 2/0 to 8" pipe, VS C -2G-H8					

RANGE OF VERTICAL PIPES

VS



RANGE OF VERTICAL PIPES

- Cable down at 45° to range of vertical steel pipes.
- CADWELD also has a complete product line for cathodic protection connections. See Bulletin CA1A.
- A test weld should be made to check the possibility of burn through on thin sections or thin wall pipe.
- · When only one pipe size rather than a range of sizes is involved, see Cable to Steel Pipe Table on previous page.
- · Concentric stranded copper cable is listed.
- · Bold letter in mold part number is the price key.

REQUIRED TOOLS

Handle Clamps L160 or B160V (chain support

handle clamp) for C Price Key Mold

Flint Ignitor T320 (Included with Handle Clamp

but also available separately)

SUGGESTED TOOLS

Cable Cleaning Brush T313 or T314 Slag Removal Spade B136A or B136B Mold Cleaning Brush

T394 Rasp T321 Torch Head T111

ACCESSORIES

See Section A

CABLE SIZE	Nominal Pipe Size	MOLD PART NO.	WELD METAL
4	1 1/2" to 4" Pipe 4" to 6" Pipe 6" to 10" Pipe 12" to 30" Pipe 32" Pipe or Larger	VSC-1L-V3C VSC-1L-V5C VSC-1L-V8C VSC-1L-V21C (1)	45 45
2 SOL	1 1/2" to 4" Pipe 4" to 6" Pipe 6" to 10" Pipe 12" to 30" Pipe 32" Pipe or Larger	VSC-1T-V3C VSC-1T-V5C VSC-1T-V8C VSC-1T-V21C (1)	45 45 45 45
2	1 1/2" to 4" Pipe 4" to 6" Pipe 6" to 10" Pipe 12" to 30" Pipe 32" Pipe or Larger	VSC-1V-V3C VSC-1V-V5C VSC-1V-V8C VSC-1V-V21C (1)	45 45 45 45
1	2" to 4" Pipe 4" to 6" Pipe 6" to 10" Pipe 12" to 30" Pipe 32" Pipe or Larger	VSC-1Y-V3C VSC-1Y-V5C VSC-1Y-V8C VSC-1Y-V21C (1)	65 65 65 65

(1) Use flat	surface	mold	part	number.	See	page	3-7.
			Puit	mannibol.	000	page	0-7.

CABLE SIZE	Nominal Pipe Size	MOLD PART NO.	WELD METAL
1/0	2" to 4" Pipe 4" to 6" Pipe 6" to 10" Pipe 12" to 30" Pipe 32" Pipe or Larger	VSC-2C-V3C VSC-2C-V5C VSC-2C-V8C VSC-2C-V21C (1)	90 90 90 90
2/0	2" to 4" Pipe 4" to 6" Pipe 6" to 10" Pipe 12" to 30" Pipe 32" Pipe or Larger	VSC-2G-V3C VSC-2G-V5C VSC-2G-V8C VSC-2G-V21C (1)	90 90 90 90
3/0	2" to 4" Pipe 4" to 6" Pipe 6" to 10" Pipe 12" to 30" Pipe 32" Pipe or Larger	VSC-2L-V3C VSC-2L-V5C VSC-2L-V8C VSC-2L-V21C (1)	115 115 115 115
4/0	2" to 4" Pipe 4" to 6" Pipe 6" to 10" Pipe 12" to 30" Pipe 32" Pipe or Larger	VSC-2Q-V3C VSC-2Q-V5C VSC-2Q-V8C VSC-2Q-V21C (1)	115 115 115 115

OTHER CABLE TO STEEL OR CAST IRON

The connections shown below are for use only where connections shown in this catalog are not suitable.

NAME	ТУРЕ		EASE	SPLIT
Tap Cast Iron	VH		1	٧
	VJ	F	1	٧
	VK		1	V
	VL	14-31	1	V
	VR	j,/ 	1	V
Tap Steel	HF		1	*
	HG		2	*

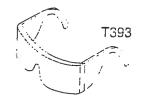
NAME	TYPE	EASE	SPLIT
Tap Steel	VA	1	V
	VC	1	٧
	VE	 2	V
Thru Cast Iron	HE	1	*
Thru Steel	НН	2	*
	HJ	2	*
	НК	1	V
	VX	2	V

MATERIALS, TOOLS & ACCESSORIES

S, TOOLS & ACCESSIONLES

SAFETY FIRST

ERICO recommends SAFETY FIRST when making CADWELD Connections as you should consider with all tasks. We offer the following safety equipment. We recommend gloves and glasses as shown.

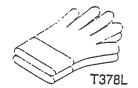


Safety Glasses
These glasses may be worn separately or over

prescription glasses.

Gioves

Heavy canvas gloves with leather palms.



CADWELD WELD METAL

CADWELD Weld Metal is a mixture of copper oxide and aluminum, packaged by size in plastic tubes. Each tube contains the starting material at the bottom of the plastic tube, with the Weld Metal on top. These materials are not explosive and not subject to spontaneous ignition. These containers are packaged in boxes along with metal disks. Each weld uses one disk.



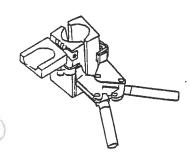
Five types of CADWELD Weld Metal are used for grounding connections:

- **1.** F20 or standard Weld Metal is used for all grounding connections with the exception of those to cast iron or to load bearing rail. The Standard Weld Metal containers have clear (or natural) caps. Standard Weld Metal is also used with most FX molds.
- **2.** XL Weld Metal is used with EXOLON molds. EXOLON Weld Metal containers have white caps.
- 3. XF-19 Alloy Weld Metal is used for all connections to cast iron such as Type HB and others. XF-19 Weld Metal containers have orange caps.

For DUCTILE IRON, see Section 3, Cast Iron Connections

- **4.** CADWELD F80 Alloy Weld Metal is used for all connections to load bearing rail such as Type W Bonds. F80 Weld Metal containers have yellow caps.
- **5.** Cathodic connections require different weld metal and molds. Contact factory for cathodic connection applications.

CADWELD MOLDS



A semi-permanent graphite mold is used for making most CADWELD Connections. The mold controls the direction and speed of the molten CADWELD weld metal flow and its final snape. The graphite used in a CADWELD mold is a high temperature type that lasts for an average of 50 or more CADWELD connections under normal usage.

SECTION A

WATERIAL TOOLES A ACCESS OFFIES

ADAPTING MOLDS TO FIT CONDUCTORS

Cables smaller than indicated on mold tag can be welded by using either Wrap Sleeve or Adapter Sleeves.

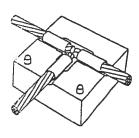


CADWELD Wrap Sleeve B140A

CADWELD Wrap Sieeve is wrapped around the cable until the diameter is about the same as the cable opening in the mold.

CADWELD Adapter Sleeves

CADWELD Adapter Sleeves are used to adapt a limited range of smaller size cables to a larger size CADWELD Mold.



CABLE SIZE Concentric Strand	Solid	Adapter Sleeve Part No.	Use in Mold
#12,14	#10,12,14	B-133-1H	#6
#7,8,10 #2	#6,8	B-133-1L	#4
#6	#5	B-112	#2
#4,5	#3,4	B-133-1V	#2
#3,4	#2	B-133-1Y	#1
#2	#1	B-133-2C	1/0
#1	1/0	B-133-2G	2/0
1/0,1	2/0	B-133-2L	3/0
2/0,1/0	3/0	B-133-2Q	4/0



Packing

Packing consists of either preformed ceramic packing or sometimes B140A or B141A copper wrap shim. Packing is required on all rebar connections.



CADWELD Mold Sealer

T403 CADWELD Mold Sealer is ideal for sealing hot or cold molds to retard leakage from large stranded conductors. It is required on certain molds such as Types HA, HB, HC, VG and VN. It prolongs useful mold life when the cable opening becomes worn.

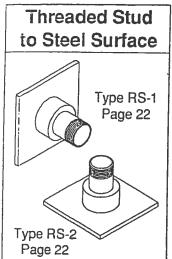
It is available in a convenient 2 pound package.

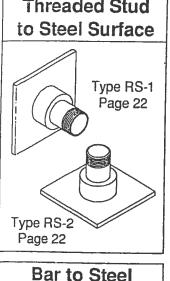
CADWELD Sleeve Kit

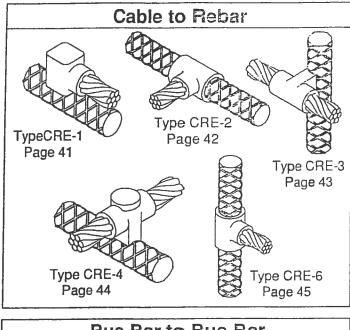


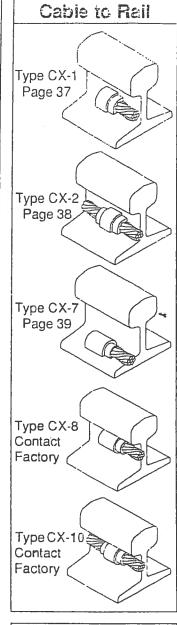
CADALLD SIEGAS KIL						
T427 Includ Product #	es: Quantity	Product #	Quantity			
B1331H	25	B1332L	8			
B1331L	25	B1332Q	12			
B112	18	B140A	10			
B1331V	10	B117A	20			
B1331Y	10	B117B	10			
B1332C	9	B117C	10			
B1332G	10	T320A	10			

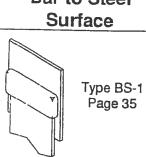
SELECTOR CHART

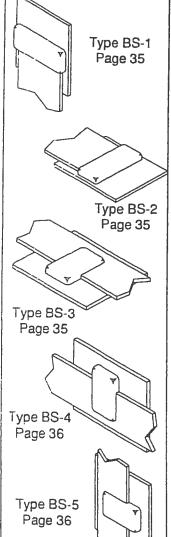


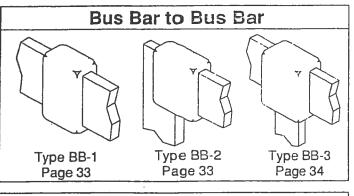


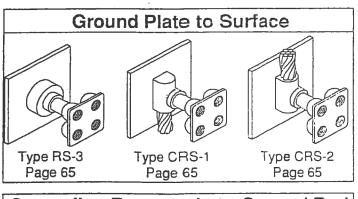


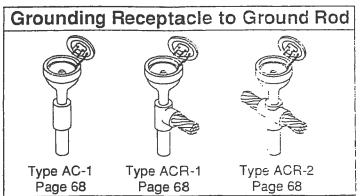


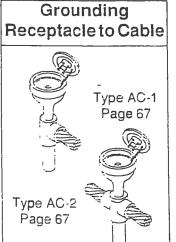




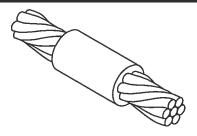








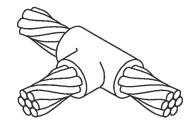
For Weld Types Not Shown Contact Factory



CADWELD® TYPE SS

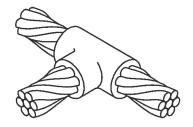
CABLESIZE		ST	STANDARDMOLDS			HEAVYDUTYMOLDS			
RUN	ТАР	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K	THERMO MOLD#	CART. SIZE	P K	
7/#10	7/#10	M-9018	SSC-9A	32	4	M-9018-H	HDSSC-9A	65	4
7/#8	7/#8	M-9050	SSC-9B	45	4	M-9050-H	HDSSC-9B	90	4
7/#7	7/#7	M-9195	SSC-9C	65	4	M-9195-H	HDSSC-9C	115	4
7/#6	7/#6	M-9051	SSC-9D	90	4	M-9051-H	HDSSC-9D	150	4
7/#5	7/#5	M-9052	SSC-9E	115	4	M-9052-H	HDSSC-9E	200	4
19/#9	19/#9	M-9053	SSC-9F	115	4	M-9053-H	HDSSC-9F	200	4
19/#8	19/#8	M-9054	SSC-9G	115	4	M-9054-H	HDSSC-9G	200	4
19/#7	19/#7	M-9196	SSC-9H	150	4	M-9196-H	HDSSC-9H	250	4
19/#6	19/#6	M-9055	SSC-9J	200	4	M-9055-H	HDSSD-9J	2-150	5

THERMOWELD® TYPE CC-2



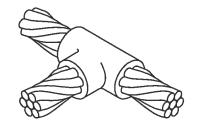
CADWELD® TYPE TA

CABL	ESIZE	STA	ANDARD MOL	.D\$			HEA	VYDUTYMOLD	S	
RUN	TAP	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K		THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K
7/#10	7/#10	M-9020	TAC-9A9A	45	4		M-9020-H	HDTAC-9A9A	90	4
7/#8	7/#8	M-9060	TAC-9 B 9B	65	4	Ĩ	M-9060-H	HDTAC-9B9B	115	4
	7/#10	M-9197	TAC-9B9A	45	4		M-9197-H	HDTAC-9B9A	90	4
	2/0 STR	M-9061	TAC-9B2G	65	4		M-9061-H	HDTAC-9B2G	150	4
	4/0STR	M-9062	TAC-9B2Q	90	4		M-9062-H	HDTAC-9B2Q	200	4
7/#7	7/#7	M-9198	TAC-9C9C	90	4		M-9198-H	HDTAC-9C9C	150	4
	7/#8	M-9022	TAC-9C9B	90	4		M-9022-H	HDTAC-9C9B	150	4
	7/#10	M-9290	TAC-9C9A	45	4		M-9290-H	HDTAC-9C9A	90	4
	2/0 STR	M-9201	TAC-9C2G	90	4		M-9201-H	HDTAC-9C2G	150	4
	4/0 STR	M-9202	TAC-9C2Q	115	4		M-9202-H	HDTAC-9C2Q	200	4
7/#6	7/#6	M-9362	TAC-9D9D	115	4		M-9362-H	HDTAC-9D9D	200	4
	7/#7	M-9023	TAC-9D9C	90	4		M-9023-H	HDTAC-9D9C	150	4
	7/#8	M-9024	TAC-9D9B	90	4		M-9024-H	HDTAC-9D9B	150	4
	7/#10	M-9025	TAC-9D9A	45	4		M-9025-H	HDTAC-9D9A	90	4
Ì	2/0STR	M-9382	TAC-9D9G	90	4		M-9382-H	HDTAC-9D2G	150	4
<u> </u>	4/0 STR	M-9063	TAC-9D2Q	115	4		M-9063-H	HDTAC-9D2Q	250	4
7/#5	7/#5	M-9064	TAC-9E9E	150	4		M-9064-H	HDTAC-9E9E	250	4
	7/#6	M-9026	TAC-9E9D	115	4		M-9026-H	HDTAC-9E9D	200	4
	7/#7	M-9213	TAC-9E9C	90	4		M-9213-H	HDTAC-9E9C	150	4



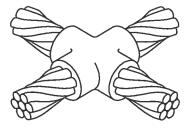
CADWELD® TYPE TA

CABL	ESIZE	ST	ANDARDMOL	.DS		HE	AVYDUTYMOLD	s	
RUN	TAP	THERMO MOLD#	CADWELD® MOLD#	CART.	P K	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K
		INOLD#	WOLD#	JIZL		WOLD#	WIOLD#	JILL	
7/#5	7/#8	M-9065	TAC-9E9B	90	4	M-9065-H	HDTAC-9E9B	150	4
	7/#10	M-9343	TAC-9E9A	90	4	M-9343-H	HDTAC-9E9A	150	4
	2/0 STR	M-9321	TAC-9E2G	90	4	M-9321-H	HDTAC-9E2G	150	4
	4/0 STR	M-9066	TAC-9E2Q	150	4	M-9066-H	HDTAC-9E2Q	250	4
19#9	19/#9	M-9067	TAC-9F9F	150	4	M-9067-H	HDTAC-9F9F	250	4
	7/#5	M-9027	TAC-9F9E	150	4	M-9027-H	HDTAC-9F9E	250	4
	7/#6	M-9028	TAC-9F9D	150	4	M-9028-H	HDTAC-9F9D	250	4
	7/#7	M-9203	TAC-9F9C	90	4	M-9203-H	HDTAC-9F9C	150	4
	7/#8	M-9030	TAC-9F9B	90	4	M-9030-H	HDTAC-9F9B	150	4
	2/0 STR	M-9031	TAC-9F2G	90	4	M-9031-H	HDTAC-9F2G	150	4
	4/0 STR	M-9068	TAC-9F2Q	150	4	M-9068-H	HDTAC-9F2Q	250	4
19/#8	19/#8	M-9069	TAC-9G9G	200	4	M-9069-H	HDTAD-9G9G	2-150	5
	19/#9	M-9032	TAC-9G9F	150	4	M-9032-H	HDTAC-9G9F	250	4
	7/#5	M-9047	TAC-9G9E	150	4	M-9047-H	HDTAC-9G9E	250	4
	7/#6	M-9033	TAC-9G9D	150	4	M-9033-H	HDTAC-9G9D	250	4
	7/#7	M-9040	TAC-9G9C	90	4	M-9040-H	HDTAC-9G9C	150	4
	7/#8	M-9070	TAC-9G9B	90	4	M-9070-H	HDTAC-9G9B	150	4
	2/0 STR	M-9071	TAC-9G2G	90	4	M-9071-H	HDTAC-9G2G	150	4
	4/0 STR	M-9042	TAC-9G2Q	150	4	M-9042-H	HDTAC-9G2Q	250	4
19/#7	19/#7	M-9073	TAC-9H9H	200	4	M-9073-H	HDTAD-9H9H	2-200	5
	19/#8	M-9034	TAC-9H9G	200	4	M-9034-H	HDTAD-9H9G	2-150	5
	19/#9	M-9204	TAC-9H9F	200	4	M-9204-H	HDTAD-9H9F	2-150	5
	7/#5	M-9442	TAC-9H9E	150	4	M-9442-H	HDTAD-9H9E	2-150	5
	7/#6	M-9035	TAC-9H9D	150	4	M-9035-H	HDTAC-9H9D	250	4
	7/#7	M-9074	TAC-9H9C	90	4	M-9074-H	HDTAC-9H9C	150	4
	7/#8	M-9036	TAC-9H9B	90	4	M-9036-H	HDTAC-9H9B	150	4
	2/0 STR	M-9147	TAC-9H2G	90	4	M-9147-H	HDTAC-9H2G	150	4
	4/0STR	M-9148	TAC-9H2Q	150	4	M-9148-H	HDTAC-9H2Q	250	4
	500 MCM	M-9075	TAC-9H3Q	250	4	M-9075-H	HDTAD-9H3Q	2-200	5
19/#6	19/#6	M-9076	TAC-9J9J	2-150	4	M-9076-H	HDTAD-9J9J	500	5
	19/#7	M-9149	TAC-9J9H	200	4	M-9149-H	HDTAD-9J9H	2-200	5
	19/#8	M-9038	TAC-9J9G	200	4	M-9038-H	HDTAD-9J9G	2-150	5
	19/#9	M-9077	TAC-9J9F	200	4	M-9077-H	HDTAD-9J9F	2-150	5
	7/#5	M-9393	TAC-9J9E	150	4	M-9393-H	HDTAD-9J9E	2-150	5
	7/#6	M-9289	TAC-9J9D	115	4	M-9289-H	HDTAC-9J9D	250	4
	2/0 STR	M-9039	TAC-9J2G	90	4	M-9039-H	HDTAC-9J2G	150	4
	4/0 STR	M-9078	TAC-9J2Q	150	4	M-9078-H	HDTAD-9J2Q	2-150	5
	500 MCM	M-9011	TAC-9J3Q	2-150	4	M-9011-H	HDTAD-9J3Q	500	5
2/0 STR	19/#6	M-9207	TAC-2G9J	115	4	M-9207-H	HDTAC-2G9J	200	4
	19/#7	M-9208	TAC-2G9H	115	4	M-9208-H	HDTAC-2G9H	200	4
	19/#8	M-9209	TAC-2G9G	115	4	M-9209-H	HDTAC-2G9G	200	4
	19#9	M-9082	TAC-2G9F	115	4	M-9082-H	HDTAC-2G9F	200	4
	7/#5	M-9210	TAC-2G9E	115	4	M-9210-H	HDTAC-2G9E	200	4
		1 52.5		1	<u> L'</u>		1 2002	1 -00	



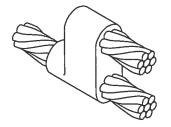
CADWELD® TYPE TA

CABLE	SIZE	STANDARD MOLDS THERMO CADWELD® CART. P					HEA	VYDUTYMOLD	S	\neg
RUN	TAP	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K		THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K
2/0 STR	7/#6	M-9409	TAC-2G9D	90	4		M-9409-H	HDTAC-2G9D	150	4
	7/#7	M-9211	TAC-2G9C	90	4		M-9211-H	HDTAC-2G9C	150	4
	7/#8	M-9001	TAC-2G9B	90	4		M-9001-H	HDTAC-2G9B	150	4
	7/#10	M-9004	TAC-2G9A	65	4		M-9004-H	HDTAC-2G9A	115	4
4/0 STR	19/#6	M-9083	TAC-2Q9J	150	4		M-9083-H	HDTAC-2Q9J	250	4
	19/#7	M-9427	TAC-2Q9H	150	4		M-9427-H	HDTAC-2Q9H	250	4
	19/#8	M-9212	TAC-2Q9G	150	4		M-9212-H	HDTAC-2Q9G	250	4
l [19/#9	M-9084	TAC-2Q9F	150	4		M-9084-H	HDTAC-2Q9F	250	4
	7/#5	M-9331	TAC-2Q9E	150	4		M-9331-H	HDTAC-2Q9E	250	4
	7/#6	M-9000	TAC-2Q9D	150	4		M-9000-H	HDTAC-2Q9D	250	4
	7/#7	M-9150	TAC-2Q9C	90	4		M-9150-H	HDTAC-2Q9C	150	4
	7/#8	M-9085	TAC-2Q9B	90	4		M-9085-H	HDTAC-2Q9B	150	4
	7/#10	M-9216	TAC-2Q9A	90	4		M-9216-H	HDTAC-2Q9A	150	4
250 MCM	19/#6	M-9217	TAC-2V9J	150	4		M-9217-H	HDTAC-2V9J	250	4
	19/#7	M-9218	TAC-2V9H	150	4		M-9218-H	HDTAC-2V9H	250	4
	19/#8	M-9219	TAC-2V9G	150	4		M-9219-H	HDTAC-2V9G	250	4
	19/#9	M-9220	TAC-2V9F	150	4		M-9220-H	HDTAC-2V9F	250	4
	7/#5	M-9221	TAC-2V9E	150	4		M-9221-H	HDTAC-9V9E	250	4
	7/#6	M-9222	TAC-2V9D	150	4		M-9222-H	HDTAC-2V9D	250	4
	7/#7	M-9223	TAC-2V9C	90	4		M-9223-H	HDTAC-2V9C	150	4
	7/#8	M-9087	TAC-2V9B	90	4		M-9087-H	HDTAC-2V9B	150	4
	7/#10	M-9224	TAC-2V9A	90	4		M-9224-H	HDTAC-2V9A	150	4
500 MCM	19/#6	M-9154	TAD-3Q9J	2-150	5		M-9154-H	HDTAD-3Q9J	500	5
	19/#7	M-9155	TAC-3Q9H	250	4	ĺ	M-9155-H	HDTAD-3Q9H	2-200	5
	19/#8	M-9088	TAC-3Q9G	200	4		M-9088-H	HDTAD-3Q9G	2-150	5
	19/#9	M-9156	TAC-3Q9F	200	4		M-9156-H	HDTAD-3Q9F	2-150	5
	7/#5	M-9010	TAC-3Q9E	200	4		M-9010-H	HDTAD-3Q9E	2-150	5
	7/#6	M-9241	TAC-3Q9D	150	4		M-9241-H	HDTAC-3Q9D	250	4
1	7/#7	M-9157	TAC-3Q9C	115	4		M-9157-H	HDTAC-3Q9C	200	4
	7/#8	M-9090	TAC-3Q9B	115	4		M-9090-H	HDTAC-3Q9B	200	4



CADWELD® TYPE XA

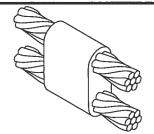
CABI	ESIZE	ST	ANDARD MOL	.DS			HEA	VY DUTY MOL	os	
RUN	TAP	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K		THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K
7/#10	7/#10	M-9243	XAC-9A9A	65	4					
7/#8	7/#8	M-9091	XAC-9B9B	90	4					
	7/#10	M-9244	XAC-9B9A	90	4					
7/#7	7/#7	M-9159	XAC-9C9C	115	4	ĺ				П
	7/#8	M-9292	XAC-9C9B	115	4					
	7/#10	M-9247	XAC-9C9A	115	4					
7/#6	7/#6	M-9293	XAC-9D9D	200	4					
	7/#7	M-9248	XAC-9D9C	150	4					
	7/#8	M-9249	XAC-9D9B	150	4					
	7/#10	M-9250	XAC-9D9A	115	4					
7/#5	7/#5	M-9092	XAC-9E9E	200	4				1	
	7/#6	M-9252	XAC-9E9D	200	4					
	7/#7	M-9281	XAC-9E9C	150	4					
	7/#8	M-9254	XAC-9E9B	150	4					
19/#9	19/#9	M-9093	XAC-9F9F	200	4					\top
	7/#5	M-9256	XAC-9F9E	200	4					1
	7/#6	M-9257	XAC-9F9D	200	4					
	7/#7	M-9274	XAC-9F9C	150	4					
	7/#8	M-9279	XAC-9F9B	150	4					
19/#8	19/#8	M-9094	XAC-9G9G	250	4					Т
	19/#9	M-9300	XAC-9G9F	250	4					1
	7/#5	M-9258	XAC-9G9E	250	4					
	7/#6	M-9301	XAC-9G9D	200	4					
	7/#7	M-9302	XAC-9G9C	150	4					
	7/#8	M-9303	XAC-9G9B	150	4					
19#7	19/#7	M-9163	XAD-9H9H	2-150	5					Т
	19/#8	M-9306	XAD-9H9G	2-150	5					
	19/#9	M-9389	XAD-9H9F	2-150	5					
	7/#5	M-9307	XAD-9H9E	2-150	5					Т
	7/#6	M-9421	XAC-9H9D	250	4					
	7/#7	M-9308	XAC-9H9C	200	4				1	
	7/#8	M-9310	XAC-9H9B	200	4					
19/#6	19/#6	M-9284	XAD-9J9J	500	5					
	19/#7	M-9313	XAD-9J9H	500	5					
	19/#8	M-9314	XAD-9J9G	2-200	5					
	19#9	M-9344	XAD-9J9F	2-150	5					
	7/#5	M-9345	XAD-9J9E	2-150	5					T
	7/#6	M-9348	XAD-9J9D	2-150	5					
	7/#7	M-9350	XAC-9J9C	250	4					
	7/#8	M-9358	XAC-9J9B	250	4					



CADWELD® TYPE PC

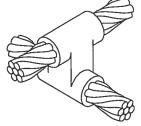
CABLI	SIZE	STA	ANDARD MOL	.DS			HEA	VY DUTY MOLD	S	
RUN	TAP	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K		THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K
7/#10	#2 STR	M-9384	PCC-9A1V	65	4					
	#4STR	M-9392	PCC-9A1L	45	4]			
	#6STR	M-9700	PCC-9A1H	32	4				1	
	#6SOLID	M-9407	PCC-9A1G	32	4					
	#8 SOLID	M-9423	PCC-9A1D	32	4					
7/#8	#2STR	M-9424	PCC-9B1V	65	4					
	#4STR	M-9425	PCC-9B1L	45	4					
	#6STR	M-9429	PCC-9B1H	45	4					
	#6SOLID	M-9447	PCC-9B1G	45	4					
	#8 SOLID	M-9448	PCC-9B1D	45	4					
7/#7	#2STR	M-9449	PCC-9C1V	65	4			-		
	#4 STR	M-9450	PCC-9C1L	65	4					1
	#6STR	M-9451	PCC-9C1H	45	4					
	#6SOLID	M-9452	PCC-9C1G	45	4					
	#8 SOLID	M-9453	PCC-9C1D	45	4					
7/#6	#2STR	M-9454	PCC-9D1V	90	4					
l	#4 STR	M-9455	PCC-9D1L	65	4					
	#6STR	M-9456	PCC-9D1H	65	4					
	#6SOLID	M-9457	PCC-9D1G	65	4					1
	#8 SOLID	M-9458	PCC-9D1D	65	4					<u> </u>
7/#5	#2STR	M-9459	PCC-9E1V	90	4					1
	#4 STR	M-9460	PCC-9E1L	90	4					
	#6STR	M-9461	PCC-9E1H	65	4					
	#6 SOLID	M-9462	PCC-9E1G	65	4					
	#8 SOLID	M-9463	PCC-9E1D	65	4					

Contact Factory for Information About Heavy Duty Molds.



CADWELD® TYPE PT

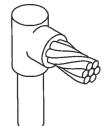
CAB	LESIZE	ST	ANDARD MOL	DS		HEA	AVY DUTY MOLD	S	
RUN	ТАР	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K
7/#10	7/#10	M-9437	PTC-9A9A	65	4	M-9437-H	HDPTC-9A9A	115	4
7/#8	7/#8	M-9138	PTC-9B9B	90	4	M-9138-H	HDPTC-9B9B	150	4
	7/#10	M-9464	PTC-9B9A	65	4	M-9464-H	HDPTC-9B9A	115	4
7/#7	7/#7	M-9433	PTC-9C9C	115	4	M-9433-H	HDPTC-9C9C	200	4
	7/#8	M-9465	PTC-9C9B	115	4	M-9465-H	HDPTC-9C9B	200	4
	7/#10	M-9466	PTC-9C9A	90	4	M-9466-H	HDPTC-9C9A	150	4
7/#6	7/#6	M-9408	PTC-9D9D	150	4	M-9408-H	HDPTC-9D9D	250	4
	7/#7	M-9467	PTC-9D9C	150	4	M-9467-H	HDPTC-9D9C	250	4
	7/#8	M-9468	PTC-9D9B	115	4	M-9468-H	HDPTC-9D9B	200	4
	7/#10	M-9469	PTC-9D9A	115	4	M-9469-H	HDPTC-9D9A	200	4
7/#5	7/#5	M-9470	PTC-9E9E	200	4	M-9470-H	HDPTD-9E9E	2-150	5
	7/#6	M-9471	PTC-9E9D	200	4	M-9471-H	HDPTD-9E9D	2-150	5
	7/#7	M-9472	PTC-9E9C	150	4	M-9472-H	HDPTC-9E9C	250	4
	7/#8	M-9473	PTC-9E9B	150	4	M-9473-H	HDPTC-9E9B	250	4
19/#9	19/#9	M-9379	PTC-9F9F	250	4	M-9379-H	HDPTD-9F9F	2-200	5
	7/#5	M-9474	PTC-9F9E	200	4	M-9474-H	HDPTD-9F9E	2-150	5
	7/#6	M-9475	PTC-9F9D	200	4	M-9475-H	HDPTD-9F9D	2-150	5
	7/#7	M-9432	PTC-9F9C	150	4	M-9432-H	HDPTC-9F9C	250	4
	7/#8	M-9476	PTC-9F9B	150	4	M-9476-H	HDPTC-9F9B	250	4
19/#8	19/#8	M-9136	PTD-9G9G	2-150	5	M-9136-H	HDPTD-9G9G	500	5
	19/#9	M-9477	PTC-9G9F	250	4	M-9477-H	HDPTD-9G9F	2-200	5
	7/#5	M-9478	PTC-9G9E	200	4	M-9478-H	HDPTD-9G9E	2-150	5
	7/#6	M-9479	PTC-9G9D	200	4	M-9479-H	HDPTD-9G9D	2-150	5
	7/#7	M-9417	PTC-9G9C	150	4	M-9417-H	HDPTC-9G9C	250	4
	7/#8	M-9480	PTC-9G9B	150	4	M-9480-H	HDPTC-9G9B	250	4
19/#7	19/#7	M-9481	PTD-9H9H	2-150	5	M-9481-H	HDPTD-9H9H	500	5
	19/#8	M-9482	PTD-9H9G	2-150	5	M-9482-H	HDPTD-9H9G	500	5
	19#9	M-9431	PTC-9H9F	250	4	M-9431-H	HDPTD-9H9F	2-200	5
	7/#5	M-9483	PTC-9H9E	200	4	M-9483-H	HDPTD-9H9E	2-150	5
	7/#6	M-9484	PTC-9H9D	200	4	M-9484-H	HDPTD-9H9D	2-150	5
	7/#7	M-9430	PTC-9H9C	150	4	M-9430-H	HDPTC-9H9C	250	4
	7/#8	M-9485	PTC-9H9B	150	4	M-9485-H	HDPTC-9H9B	250	4
19/#6	19/#6	M-9486	PTD-9J9J	2-200	5	M-9486-H	HDPTF-9J9J	3-200	6
	19/#7	M-9487	PTD-9J9H	2-150	5	M-9487-H	HDPTD-9J9H	500	5
	19/#8	M-9488	PTD-9J9G	2-150	5	M-9488-H	HDPTD-9J9G	500	5
	19/#9	M-9489	PTC-9J9F	250	4	M-9489-H	HDPTD-9J9F	2-200	5
	7/#5	M-9490	PTC-9J9E	200	4	M-9490-H	HDPTD-9J9E	2-150	5
	7/#6	M-9491	PTC-9J9D	200	4	M-9491-H	HDPTD-9J9D	2-150	5
	7/#7	M-9492	PTC-9J9C	150	4	M-9492-H	HDPTC-9J9C	250	4
	7/#8	M-9493	PTC-9J9B	150	4	M-9493-H	HDPTC-9J9B	250	4



CADWELD® TYPE XB

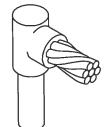
CAB	LESIZE	ST.	ANDARD MOL	.DS		HE	AVYDUTYMOL	os	
RUN	ТАР	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K
7/#10	7/#10	M-9494	XBM-9A9A	90	15				
7/#8	7/#8	M-9133	XBM-9B9B	150	15				
	7/#10	M-9495	XBM-9B9A	115	15				
7/#7	7/#7	M-9443	XBM-9C9C	200	15				
	7/#8	M-9702	XBM-9C9B	200	15				
	7/#10	M-9496	XBM-9C9A	150	15				1
7/#6	7/#6	M-9245	XBM-9D9D	250	15				Т
	7/#7	M-9497	XBM-9D9C	200	15				1
	7/#8	M-9498	XBM-9D9B	200	15				
	7/#10	M-9499	XBM-9D9A	150	15				
7/#5	7/#5	M-9134	XBM-9E9E	250	15				T
	7/#6	M-9500	XBM-9E9D	250	15				
	7/#7	M-9394	XBM-9E9C	200	15				
	7/#8	M-9135	XBM-9E9B	200	15				
19/#9	19/#9	M-9186	XBM-9F9F	2-150	15				Т
	7/#5	M-9501	XBM-9F9E	2-150	15				T
	7/#6	M-9502	XBM-9F9D	2-150	15				
	7/#7	M-9503	XBM-9F9C	250	15				ı
	7/#8	M-9504	XBM-9F9B	250	15			Ì	1
19#8	19/#8	M-9043	XBV-9G9G	2-200	16				T
	19/#9	M-9505	XBV-9G9F	2-200	16				
	7/#5	M-9048	XBM-9G9E	2-150	15				T
	7/#6	M-9506	XBM-9G9D	2-150	15			1	
	7/#7	M-9507	XBM-9G9C	250	15				
	7/#8	M-9508	XBM-9G9B	250	15				ı
19/#7	19/#7	M-9444	XBV-9H9H	500	16				T
	19/#8	M-9509	XBV-9H9G	500	16				
	19/#9	M-9510	XBV-9H9F	500	16				
	7/#5	M-9511	XBV-9H9E	2-200	16				7
	7/#6	M-9512	XBV-9H9D	2-200	16				
	7/#7	M-9513	XBM-9H9C	2-150	15				
	7/#8	M-9514	XBM-9H9B	250	15				
19/#6	19/#6	M-9515	XBV-9J9J	3-250	16				+
	19/#7	M-9516	XBV-9J9H	3-200	16				
	19/#8	M-9517	XBV-9J9G	3-200	16				1
	19/#9	M-9518	XBV-9J9F	500	16				
	7/#5	M-9395	XBV-9J9E	500	16				\top
	7/#6	M-9519	XBV-9J9D	500	16				
	7/#7	M-9520	XBV-9J9C	2-200	16				
	7/#8	M-9521	XBM-9J9B	2-150	15				

Contact Factory for information about Heavy Duty Molds



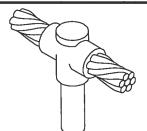
CADWELD® TYPE GR

CABLE & GR	D ROD SIZE	STA	ANDARD MOL	DS		HEA	VY DUTY MOLD	S	
		THERMO	CADWELD®	CART.	Р	THERMO	CADWELD®	CART.	Р
GRDROD	CABLE	MOLD#	MOLD#	SIZE	K	MOLD#	MOLD#	SIZE	κ
1/2"	7/#10	M-9522-T	GRC-139A	65	4	M-9522-HT	HDGRC-139A	90	4
COPPER	7/#10 7/#8	M-9523-T	GRC-139A GRC-139B	90	4	M-9523-HT	HDGRC-139B	115	4
CLAD	7/#0 7/#7	M-9164-T	GRC-139B GRC-139C	90	4	M-9164-HT	HDGRC-139C	150	4
GRDROD	7/#7 7/#6	1	l .		4 4				4 4
W/ 1/2"		M-9524-T	GRC-139D	90	1 ' 1	M-9524-HT	HDGRC-139D	150	4
	7/#5	M-9525-T	GRC-139E	90	4	M-9525-HT	HDGRC-139E	150	4
ROLLED	19/#9	M-9165-T	GRC-139F	90	4	M-9165-HT	HDGRC-139F	150	1 1
THREAD	19/#8	M-9526-T	GRC-139G	90	4	M-9526-HT	HDGRC-139G	150	4
1/2"	7/#10	M-9522-N	GRC-149A	65	4	M-9522-HN	HDGRC-149A	90	1 1
STEEL OR	7/#8	M-9523-N	GRC-149B	90	4	M-9523-HN	HDGRC-149B	115	4
COPPER CLAD	7/#7	M-9164-N	GRC-149C	90	4	M-9164-HN	HDGRC-149C	150	4
GRDROD	7/#6	M-9524-N	GRC-149D	90	4	M-9524-HN	HDGRC-149D	150	4
W/ 9/16"	7/#5	M-9525-N	GRC-149E	90	4	M-9525-HN	HDGRC-149E	150	4
ROLLED	19/#9	M-9165-N	GRC-149F	90	4	M-9165-HN	HDGRC-149F	150	4
THREAD	19/#8	M-9526-N	GRC-149G	90	4	M-9526-HN	HDGRC-149G	150	4
	7/#10	M-9522	GRC-159A	65	4	M-9522-H	HDGRC-159A	90	4
1/2"	7/#8	M-9523	GRC-159B	90	4	M-9523-H	HDGRC-159B	115	4
COPPER	7/#7	M-9164	GRC-159C	90	4	M-9164-H	HDGRC-159C	150	4
CLAD	7/#6	M-9524	GRC-159D	90	4	M-9524-H	HDGRC-159D	150	4
GROUND	7/#5	M-9525	GRC-159E	90	4	M-9525-H	HDGRC-159E	150	4
ROD	19/#9	M-9165	GRC-159F	90	4	M-9165-H	HDGRC-159F	150	4
	19/#8	M-9526	GRC-159G	90	4	M-9526-H	HDGRC-159G	150	4
	7/#10	M-9095	GRC-169A	65	4	M-9095-H	HDGRC-169A	90	4
	7/#8	M-9096	GRC-169B	90	4	M-9096-H	HDGRC-169B	115	4
5/8"	7/#7	M-9166	GRC-169C	90	4	M-9166-H	HDGRC-169C	115	4
COPPER	7/#6	M-9294	GRC-169D	90	4	M-9294-H	HDGRC-169D	150	4
CLAD	7/#5	M-9097	GRC-169E	90	4	M-9097-H	HDGRC-169E	150	4
GROUND	19/#9	M-9167	GRC-169F	90	4	M-9167-H	HDGRC-169F	150	4
ROD	19/#8	M-9168	GRC-169G	115	4	M-9168-H	HDGRC-169G	200	4
	19/#7	M-9098	GRC-169H	150	4	M-9098-H	HDGRC-169H	250	4
	19/#6	M-9530	GRC-169J	150	4	M-9530-H	HDGRC-169J	250	4
	7/#10	M-9095-N	GRC-319A	65	4	M-9095-HN	HDGRC-319A	90	4
	7/#8	M-9096-N	GRC-319B	90	4	M-9096-HN	HDGRC-319B	115	4
5/8"	7/#7	M-9166-N	GRC-319C	90	4	M-9166-HN	HDGRC-319C	115	4
STEEL	7/#6	M-9294-N	GRC-319D	90	4	M-9294-HN	HDGRC-319D	150	4
GROUND	7/#5	M-9097-N	GRC-319E	90	4	M-9097-HN	HDGRC-319E	150	4
ROD	19/#9	M-9167-N	GRC-319F	90	4	M-9167-HN	HDGRC-319F	150	4
(FULLSIZE)	19/#8	M-9168-N	GRC-319G	115	4	M-9168-HN	HDGRC-319G	200	4
(====,)	19/#7	M-9098-N	GRC-319H	150	4	M-9098-HN	HDGRC-319H	250	4
	19/#6	M-9530-N	GRC-319J	150	4	M-9530-HN	HDGRC-319J	250	4



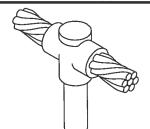
CADWELD® TYPE GR

CABLE & GR	D ROD SIZE	STA	ANDARD MOL	.DS			HEA	AVYDUTYMOLD	s	
GRDROD	CABLE	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K		THERMO MOLD#	CADWELD® MOLD#	CART.	P K
	7/#10 7/#8	M-9436 M-9099	GRC-189A GRC-189B	90 90	4		M-9436-H M-9099-H	HDGRC-189A HDGRC-189B	115 150	4
3/4"	7/#7	M-9390	GRC-189C	90	4		M-9390-H	HDGRC-189C	150	4
COPPER CLAD	7/#6 7/#5	M-9381 M-9100	GRC-189D GRC-189E	90 90	4		M-9381-H M-9100-H	HDGRC-189D HDGRC-189E	150 150	4
GROUND ROD	19/#9 19/#8	M-9319 M-9101	GRC-189F GRC-189G	90 115	4		M-9319-H M-9101-H	HDGRC-189F HDGRC-189G	150 200	4
NOD	19/#7	M-9428	GRC-189H	150	4		M-9428-H	HDGRC-189H	250	4
	19/#6 7/#10	M-9329 M-9436-N	GRC-189J GRC-339A	150 90	4		M-9329-H M-9436-HN	HDGRC-189J HDGRC-339A	250 115	4
3/4"	7/#8 7/#7	M-9099-N M-9390-N	GRC-339B GRC-339C	90	4		M-9099-HN M-9390-HN	HDGRC-339B HDGRC-339C	150 150	4 4
STEEL GROUND	7/#6 7/#5	M-9381-N M-9100-N	GRC-339D GRC-339E	90 90	4		M-9381-HN M-9100-HN	HDGRC-339D HDGRC-339E	150 150	4
ROD	19/#9	M-9319-N	GRC-339F	90	4		M-9319-HN	HDGRC-339F	150	4
(FULLSIZE)	19/#8 19/#7	M-9101-N M-9428-N	GRC-339G GRC-339H	115 150	4		M-9101-HN M-9428-HN	HDGRC-339G HDGRC-339H	200 250	4
	19/#6 7/#10	M-9329-N M-9533	GRC-339J GRC-229A	150 150	4		M-9329-HN M-9533-H	HDGRC-339J HDGRC-229A	250 200	4
1"	7/#8 7/#7	M-9534 M-9535	GRC-229B GRC-229C	150 150	4		M-9534-H M-9535-H	HDGRC-229B HDGRC-229C	200	4
COPPER	7/#6	M-9002	GRC-229D	150	4		M-9002-H	HDGRC-229D	250	4
CLAD GROUND	7/#5 19/#9	M-9536 M-9537	GRC-229E GRC-229F	150 150	4		M-9536-H M-9537-H	HDGRC-229E HDGRC-229F	250 250	4
ROD	19/#8 19/#7	M-9538 M-9539	GRC-229G GRC-229H	200 200	4 4		M-9538-H M-9539-H	HDGRD-229G HDGRD-229H	2-150 2-150	5
	19/#6	M-9540	GRC-229J	200	4		M-9540-H	HDGRD-229J	2-150	5
	7/#10 7/#8	M-9533-N M-9534-N	GRC-379A GRC-379B	150 150	4 4		M-9533-HN M-9534-HN	HDGRC-379A HDGRC-379B	200 200	4 4
1" STEEL	7/#7 7/#6	M-9535-N M-9002-N	GRC-379C GRC-379D	150 150	4 4		M-9535-HN M-9002-HN	HDGRC-379C HDGRC-379D	200 250	4
GROUND	7/#5	M-9536-N	GRC-379E	150	4	-	M-9536-HN	HDGRC-379E	250	4
ROD (FULL SIZE)	19/#9 19/#8	M-9537-N M-9538-N	GRC-379F GRC-379G	150 200	4		M-9537-HN M-9538-HN	HDGRC-379F HDGRD-379G	250 2-150	5
	19/#7 19/#6	M-9539-N M-9540-N	GRC-379H GRC-379J	200	4		M-9539-HN M-9540-HN	HDGRD-379H HDGRD-379J	2-150 2-150	5



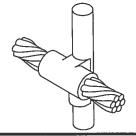
CADWELD® TYPE GT

CABLE & GR	D ROD SIZE	STA	ANDARD MOL	DS			HEA	VY DUTY MOLD	S	
GRD ROD	CABLE	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K		THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K
1/2"	7/#10	M-9543-T	GTC-139A	90	4		M-9543-HT	HDGTC-139A	150	4
COPPER	7/#8	M-9544-T	GTC-139B	90	4		M-9544-HT	HDGTC-139B	150	4
CLAD	7/#7	M-9169-T	GTC-139B	90	4		M-9169-HT	HDGTC-139C	150	4
GRDROD	7/#6	M-9545-T	GTC-139D	115	4		M-9545-HT	HDGTC-139D	200	4
W/ 1/2"	7/#5 7/#5	M-9102-T	GTC-139E	150	4		M-9343-111 M-9102-HT	HDGTC-139E	250	4
ROLLED	19/#9	M-9170-T	GTC-139E	150	4		M-9170-HT	HDGTC-139E	250	4
THREAD		M-9546-T		200			M-9546-HT	HDGTD-139G	2-150	5
1/2"	19/#8 7/#10		GTC-139G GTC-149A		4			HDGTC-149A		4
	7/#10 7/#8	M-9543-N M-9544-N		90	' '		M-9543-HN M-9544-HN	HDGTC-149A HDGTC-149B	150	4
STEEL OR			GTC-149B	90	4				150	1
COPPER CLAD	7/#7	M-9169-N	GTC-149C	90	4		M-9169-HN	HDGTC-149C	150	4
GRDROD	7/#6	M-9545-N	GTC-149D	115	4		M-9545-HN	HDGTC-149D	200	4
W/ 9/16"	7/#5	M-9102-N	GTC-149E	150	4		M-9102-HN	HDGTC-149E	250	4
ROLLED	19/#9	M-9170-N	GTC-149F	150	4		M-9170-HN	HDGTC-149F	250	4
THREAD	19/#8	M-9546-N	GTC-149G	200	4		M-9546-HN	HDGTD-149G	2-150	5
	7/#10	M-9543	GTC-159A	90	4		M-9543-H	HDGTC-159A	150	4
1/2"	7/#8	M-9544	GTC-159B	90	4		M-9544-H	HDGTC-159B	150	4
COPPER	7/#7	M-9169	GTC-159C	90	4		M-9169-H	HDGTC-159C	150	4
CLAD	7/#6	M-9545	GTC-159D	115	4		M-9545-H	HDGTC-159D	200	4
GROUND	7/#5	M-9102	GTC-159E	150	4		M-9102-H	HDGTC-159E	250	4
ROD	19/#9	M-9170	GTC-159F	150	4		M-9170-H	HDGTC-159F	250	4
	19/#8	M-9546	GTC-159G	200	4		M-9546-H	HDGTD-159G	2-150	5
	7/#10	M-9550	GTC-169A	90	4		M-9550-H	HDGTC-169A	150	4
	7/#8	M-9103	GTC-169B	115	4		M-9103-H	HDGTC-169B	200	4
5/8"	7/#7	M-9171	GTC-169C	115	4		M-9171-H	HDGTC-169C	200	4
COPPER	7/#6	M-9297	GTC-169D	115	4		M-9297-H	HDGTC-169D	200	4
CLAD	7/#5	M-9104	GTC-169E	150	4		M-9104-H	HDGTC-169E	250	4
GROUND	19/#9	M-9105	GTC-169F	150	4		M-9105-H	HDGTC-169F	250	4
ROD	19/#8	M-9106	GTC-169G	200	4		M-9106-H	HDGTD-169G	2-150	5
	19/#7	M-9172	GTC-169H	250	4		M-9172-H	HDGTD-169H	2-200	5
l	19/#6	M-9107	GTC-169J	250	4		M-9107-H	HDGTD-169J	2-200	
	7/#10	M-9550-N	GTC-319A	90	4		M-9550-HN	HDGTC-319A	150	4
l .	7/#8	M-9103-N	GTC-319B	115	4		M-9103-HN	HDGTC-319B	200	4
5/8"	7/#7	M-9171-N	GTC-319C	115	4		M-9171-HN	HDGTC-319C	200	4
STEEL	7/#6	M-9297-N	GTC-319D	115	14		M-9297-HN	HDGTC-319D	200	4
GROUND	7/#5	M-9104-N	GTC-319E	150	4		M-9104-HN	HDGTC-319E	250	4
ROD	19/#9	M-9105-N	GTC-319F	150	1 4	-	M-9105-HN	HDGTC-319F	250	4
(FULLSIZE)	19/#8	M-9106-N	GTC-319G	200	4		M-9106-HN	HDGTD-319G	2-150	
(1 0220122)	19/#7	M-9172-N	GTC-319H	250	4		M-9172-HN	HDGTD-319H	2-100	
l	19/#6	M-9107-N	GTC-319J	250	4		M-9107-HN	HDGTD-319J	2-200	



CADWELD® TYPE GT

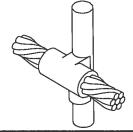
CABLE & GR	DRODSIZE	STA	ANDARD MOL	.DS			HEA	AVY DUTY MOLD	S	
GRDROD	CABLE	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K		THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K
	7/#10	M-9552	GTC-189A	90	4		M-9552-H	HDGTC-189A	150	4
	7/#8	M-9108	GTC-189B	115	4		M-9108-H	HDGTC-189B	200	4
3/4"	7/#7	M-9287	GTC-189C	115	4		M-9287-H	HDGTC-189C	200	4
COPPER	7/#6	M-9380	GTC-189D	115	4		M-9380-H	HDGTC-189D	200	4
CLAD	7/#5	M-9109	GTC-189E	150	4		M-9109-H	HDGTC-189E	250	4
GROUND	19/#9	M-9110	GTC-189F	150	4		M-9110-H	HDGTC-189F	250	4
ROD	19/#8	M-9111	GTC-189G	200	4		M-9111-H	HDGTD-189G	2-150	5
	19/#7	M-9320	GTC-189H	250	4		M-9320-H	HDGTD-189H	2-200	5
	19/#6	M-9291	GTC-189J	250	4		M-9291-H	HDGTD-189J	2-200	5
	7/#10	M-9552-N	GTC-339A	90	4		M-9552-HN	HDGTC-339A	150	4
	7/#8	M-9108-N	GTC-339B	115	4		M-9108-HN	HDGTC-339B	200	4
3/4"	7/#7	M-9287-N	GTC-339C	115	4		M-9287-HN	HDGTC-339C	200	4
STEEL	7/#6	M-9380-N	GTC-339D	115	4		M-9380-HN	HDGTC-339D	200	4
GROUND	7/#5	M-9109-N	GTC-339E	150	4		M-9109-HN	HDGTC-339E	250	4
ROD	19/#9	M-9110-N	GTC-339F	150	4		M-9110-HN	HDGTC-339F	250	4
(FULLSIZE)	19/#8	M-9111-N	GTC-339G	200	4		M-9111-HN	HDGTD-339G	2-150	5
	19/#7	M-9320-N	GTC-339H	250	4		M-9320-HN	HDGTD-339H	2-200	5
:	19/#6	M-9291-N	GTC-339J	250	4		M-9291-HN	HDGTD-339J	2-200	5
	7/#10	M-9554	GTC-229A	150	4		M-9554-H	HDGTC-229A	250	4
	7/#8	M-9699	GTC-229B	150	4		M-9699-H	HDGTC-229B	250	4
1"	7/#7	M-9555	GTC-229C	150	4		M-9555-H	HDGTC-229C	250	4
COPPER	7/#6	M-9556	GTC-229D	150	4		M-9556-H	HDGTC-229D	250	4
CLAD	7/#5	M-9557	GTC-229E	200	4		M-9557-H	HDGTD-229E	2-150	5
GROUND	19/#9	M-9558	GTC-229F	200	4		M-9558-H	HDGTD-229F	2-150	5
ROD	19/#8	M-9559	GTC-229G	200	4		M-9559-H	HDGTD-229G	2-150	5
	19/#7	M-9560	GTC-229H	250	4		M-9560-H	HDGTD-229H	2-200	5
	19/#6	M-9561	GTC-229J	250	4		M-9561-H	HDGTD-229J	2-200	5
	7/#10	M-9554-N	GTC-379A	150	4	1	M-9554-HN	HDGTC-379A	250	4
	7/#8	M-9348-N	GTC-379B	150	4		M-9348-HN	HDGTC-379B	250	4
1"	7/#7	M-9555-N	GTC-379C	150	4		M-9555-HN	HDGTC-379C	250	4
STEEL	7/#6	M-9556-N	GTC-379D	150	4		M-9556-HN	HDGTC-379D	250	4
GROUND	7/#5	M-9557-N	GTC-379E	200	4		M-9557-HN	HDGTD-379E	2-150	5
ROD	19/#9	M-9558-N	GTC-379F	200	4		M-9558-HN	HDGTD-379F	2-150	5
(FULL SIZE)	19/#8	M-9559-N	GTC-379G	200	4		M-9559-HN	HDGTD-379G	2-150	5
I '	19/#7	M-9560-N	GTC-379H	250	4		M-9560-HN	HDGTD-379H	2-200	5
	19/#6	M-9561-N	GTC-379J	250	4		M-9561-HN	HDGTD-379J	2-200	5



CADWELD® TYPE GY

CABLE & GRD	RODSIZE	STA	ANDARD MOL	DS			HEA	VY DUTY MOLE	S	
GRD ROD	CABLE	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K		THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K
1/2"	7/#10	M-9563-T	GYE-139A	90	7					
COPPER	7/#8	M-9564-T	GYE-139B	115	7					
CLAD	7/#7	M-9439-T	GYE-139C	115	7				1	
GRDROD	7/#6	M-9565-T	GYE-139D	150	7					
W/ 1/2"	7/#5	M-9440-T	GYE-139E	150	7					
ROLLED	19/#9	M-9387-T	GYE-139F	150	7				-	
THREAD	19/#8	M-9566-T	GYE-139G	200	7					
1/2"	7/#10	M-9563-N	GYE-149A	90	7					1
STEEL OR	7/#8	M-9564-N	GYE-149B	115	7					
COPPER CLAD	7/#7	M-9439-N	GYE-149C	115	7					
GRDROD	7/#6	M-9565-N	GYE-149D	150	7			:		1
W/ 9/16"	7/#5	M-9440-N	GYE-149E	150	7					
ROLLED	19/#9	M-9387-N	GYE-149F	150	7				 	
THREAD	19/#8	M-9566-N	GYE-149G	200	7					1
	7/#10	M-9563	GYE-159A	90	7				 	+
1/2"	7/#8	M-9564	GYE-159B	115	7			İ		
COPPER	7/#7	M-9439	GYE-159C	115	7					1
CLAD	7/#6	M-9565	GYE-159D	150	7					
GROUND	7/#5	M-9440	GYE-159E	150	7					1
ROD	19/#9	M-9387	GYE-159F	150	7				 	+
""	19/#8	M-9566	GYE-159G	200	7					
	7/#10	M-9567	GYE-169A	90	7				1	
	7/#8	M-9278	GYE-169B	115	7	!				1
5/8"	7/#7	M-9568	GYE-169C	115	7					
COPPER	7/#6	M-9276	GYE-169D	150	7					
CLAD	7/#5	M-9143	GYE-169E	150	7					
GROUND	19/#9	M-9336	GYE-169F	150	7					1
ROD	19/#8	M-9569	GYE-169G	200	7					
	19/#7	M-9335	GYJ-169H	2-150	8				1	1
	19/#6	M-9570	GYJ-169J	2-200	8					
	7/#10	M-9567-N	GYE-319A	90	7				1	1
	7/#8	M-9278-N	GYE-319B	115	7					
5/8"	7/#7	M-9568-N	GYE-319C	115	7					
STEEL	7/#6	M-9276-N	GYE-319D	150	7					
GROUND	7/#5	M-9143-N	GYE-319E	150	7					1
ROD	19/#9	M-9336-N	GYE-319F	150	7					\top
(FULLSIZE)	19/#8	M-9569-N	GYE-319G	200	7					
`/			1		8			1	1	
	19/#7	M-9335-N	GYJ-319H	2-150	10			1	1	- 1

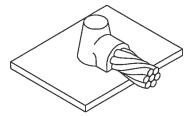
Contact Factory for Information About Heavy Duty Molds



CADWELD® TYPE GY

CABLE & GRD ROD SIZE		STANDARD MOLDS				HEAVYDUTYMOLDS		
GRDROD	CABLE	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K			
3/4" COPPER CLAD GROUND ROD	7/#10 7/#8 7/#7 7/#6 7/#5 19/#9	M-9571 M-9049 M-9271 M-9268 M-9226 M-9142	GYE-189A GYE-189B GYE-189C GYE-189D GYE-189E GYE-189F	90 115 115 150 200	7 7 7 7 7			
	19/#8 19/#7 19/#6	M-9572 M-9573 M-9328	GYE-189G GYJ-189H GYJ-189J	250 2-200 500	7 8 8			
3/4" STEEL GROUND ROD (FULL SIZE)	7/#10 7/#8 7/#7 7/#6 7/#5	M-9571-N M-9049-N M-9271-N M-9268-N M-9226-N	GYE-339A GYE-339B GYE-339C GYE-339D GYE-339E	90 115 115 150 200	7 7 7 7			
	19/#9 19/#8 19/#7 19/#6	M-9142-N M-9572-N M-9573-N M-9328-N	GYE-339F GYE-339G GYJ-339H GYJ-339J	200 250 2-200 500	7 7 8 8			
1" COPPER CLAD GROUND ROD	7/#10 7/#8 7/#7 7/#6 7/#5	M-9574 M-9349 M-9575 M-9576 M-9577	GYE-229A GYE-229B GYE-229C GYE-229D GYE-229E	90 115 115 150 200	7 7 7 7	7		
	19/#9 19/#8 19/#7 19/#6	M-9578 M-9579 M-9580 M-9581	GYE-229F GYE-229G GYJ-229H GYJ-229J	200 250 2-200 500	7 7 8 8	7 7 8 3		
1" STEEL GROUND ROD (FULL SIZE)	7/#10 7/#8 7/#7 7/#6 7/#5	M-9574-N M-9349-N M-9575-N M-9576-N M-9577-N	GYE-379A GYE-379B GYE-379C GYE-379D GYE-379E	90 115 115 150 200	7 7 7 7	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		
	19/#9 19/#8 19/#7 19/#6	M-9578-N M-9579-N M-9580-N M-9581-N	GYE-379F GYE-379G GYJ-379H GYJ-379J	200 250 2-200 500	7 7 8 8	7 7 8		

Contact Factory for Information About Heavy Duty Molds

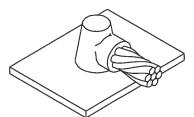


CADWELD® TYPE HA

CABLE	NOMINALPIPE	ST	ANDARDMOLD	S		HEA	AVYDUTYMOLD	S	\Box	
SIZE	SIZE	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K	
7/#10	FLAT(14" & LARGER)	M-9656	HAA-9A	65	3	M-9656-H	HDHAC-9A	115	4	
İ	1-1/4" to 2"	M-9657	HAA-9A-162C	65	3					
	3" to 4"	M-9658	HAA-9A-350C	65	3				П	
	6" to 8"	M-9659	HAA-9A-7C	65	3			1		
	10" to 12"	M-9660	HAA-9A-11C	65	3					
7/#8	FLAT(30" & LARGER)	M-9661	HAC-9B	90	4					
	3" to 4"	M-9662	HAH-9B-350C	90	14				1 1	
	6" to 10"	M-9663	HAH-9B-8C	90	14					
	12" to 28"	M-9664	HAH-9B-20C	90	14					
7/#7	FLAT(30" & LARGER)	M-9270	HAC-9C	90	4					
	3" to 4"	M-9665	HAH-9C-350C	90	14	FOR LA	RGER CABL	E SIZE		
	6" to 10"	M-9666	HAH-9C-8C	90	14		SE WELD TYP			
	12" to 28"	M-9667	HAH-9C-20C	90	14			_		
7/#6	FLAT(30" & LARGER)	M-9668	HAC-9D	115	4		CS-1			
	3" to 4"	M-9669	HAH-9D-350C	115	14					
	6" to 10"	M-9670	HAH-9D-8C	115	14					
	12" to 28"	M-9671	HAH-9D-20C	115	14					
7/#5	FLAT(30 & LARGER)	M-9326	HAC-9E	115	4				1	
	3" to 4"	M-9672	HAH-9E-350C	115	14]			
	6" to 10"	M-9673	HAH-9E-8C	115	14				1	
	12" to 28"	M-9674	HAH-9E-20C	115	14					
19/#9	FLAT	M-9341	HAC-9F	115	4					
19/#8	FLAT	M-9675	HAC-9G	150	4					
19/#7	FLAT	M-9676	HAC-9H	200	4				1	
19/#6	FLAT	M-9677	HAC-9J	200	4					

NOTE: For molds to horizontal pipe not listed, add nominal pipe size to mold number.

EXAMPLE: For 19/#8 Copperweld® cable to 4" horizontal pipe, the mold number would be M-9675-4".



CADWELD® TYPE HS

CABLE	ST	ANDARD MOL	.DS		HEAVY DUTY MOLDS					
SIZE	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K		
7/#8	M-9583	HSC-9B	90	4	M-9583-H	HDHSC-9B	150	4		
7/#7	M-9191	HSC-9C	90	4	M-9191-H	HDHSC-9C	150	4		
7/#6	M-9584	HSC-9D	115	4	M-9584-H	HDHSC-9D	200	4		
7/#5	M-9144	HSC-9E	115	4	M-9144-H	HDHSC-9E	200	4		
19/#9	M-9193	HSC-9F	115	4	M-9193-H	HDHSC-9F	200	4		
19/#8	M-9585	HSC-9G	150	4	M-9585-H	HDHSC-9G	250	4		
19/#7	M-9192	HSC-9H	200	4	M-9192-H	HDHSD-9H	2-150	5		
19/#6	M-9698	HSC-9J	200	4	M-9698-H	HDHSD-9J	2-150	5		

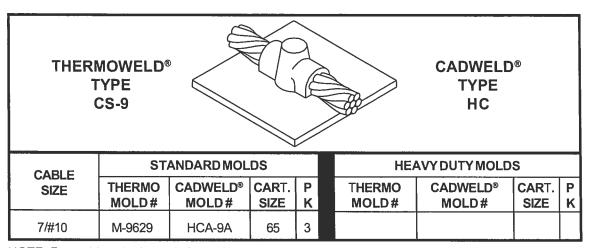
NOTE: For molds to horizontal pipe, add nominal pipe size to mold number.

EXAMPLE: For 19/#8 Copperweld® cable to 4" horizontal pipe, the mold number would be M-9585-4".

THERMOWELD® TYPE CS-2 CADWELD® TYPE HT											
CABLE	STA	ANDARD MOL	.DS		HEAVYDUTYMOLDS						
SIZE	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K		HERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K		
7/#8	M-9587	HTC-9B	90	4	М	 I-9587-Н	HDHTC-9B	150	4		
7/#7	M-9588	HTC-9C	115	4	M	I-9588-H	HDHTC-9C	200	4		
7/#6	M-9141	HTC-9D	150	4	M	I-9141-H	HDHTC-9D	250	4		
7/#5	M-9140	HTC-9E	150	4	, M	I-9140-H	HDHTC-9E	250	4		
19#/9	M-9589	HTC-9F	150	4	M	1-9589-H	HDHTC-9F	250	4		
19/#8	M-9590	HTC-9G	200	4	M	1-9590-H	HDHTD-9G	2-150	5		
19/#7	M-9591	HTC-9H	250	4	M	1-9591-H	HDHTD-9H	2-200	5		
19/#6	M-9592	HTD-9J	2-150	5	M	1-9592-H	HDHTD-9J	500	5		

NOTE: For molds to horizontal pipe, add nominal pipe size to mold number.

EXAMPLE: For 19/#8 Copperweld® cable to 4" horizontal pipe, the mold number would be M-9590-4".

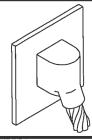


NOTE: For molds to horizontal pipe, add nominal pipe size to mold number. EXAMPLE: For 7/#10 Copperweld® cable to 4" horizontal pipe, the mold number would be M-9629-4"

Т	MOWELD® YPE S-23			CADWELD TYPE VB) ®					
CABLE	CABLE STANDARD				HEA	HEAVYDUTYMOLDS				
SIZE	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K		
7/#10 7/#8	M-9438 M-9601	VBC-9A VBC-9B	65 115	4	M-9438-H M-9601-H	HDVBC-9A HDVBC-9B	115	4		
7/#0 7/#7	M-9602	VBC-9B	115	4	M-9602-H	HDVBC-9C	200	4 4		
7/#6	M-9412	VBC-9D	150	4	M-9412-H	HDVBC-9D	250	4		
7/#5	M-9375	VBC-9E	150	4	M-9375-H	HDVBC-9E	250	4		
19/#9	M-9603	VBC-9F	200	4	M-9603-H	HDVBR-9F	2-150	17		
19/#8	M-9604	VBC-9G	200	4	M-9604-H	HDVBR-9G	2-150	17		
19/#7	M-9605	VBC-9H	250	4	M-9605-H	HDVBD-9H	2-200	5		
19/#6	M-9361	VBR-9J	2-150	17	M-9361-H	HDVBF-9J	500	6		

NOTE: For molds to vertical pipe, add nominal pipe size to mold number.

EXAMPLE: For 19/#8 Copperweld® cable to 4" vertical pipe, the mold number would be M-9604-V4.

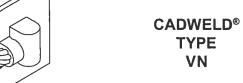


CADWELD® TYPE VS

CABLE	NOMINAL PIPE	S	TANDARD MOLE	os		HEA	/Y DUTY MOLI	S	٦
SIZE	SIZE	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K
7/#10	FLAT(32" & LARGER)	M-9112	VSC-9A	65	4	M-9112-H	HDVSC-9A	115	4
''''	1-1/2" to 4"	M-9678	VSC-9A-V3C	65	4	0	11210001	110	
	4" to 6"	M-9679	VSC-9A-V5C	65	4				1
	6" to 10"	M-9680	VSC-9A-V8C	65	4		1	ĺ	
	12" to 30"	M-9681	VSC-9A-V21C	65	4				
7/#8	FLAT(32" & LARGER)	M-9113	VSC-9B	90	4	M-9113-H	HDVSC-9B	150	4
	1-1/2" to 4"	M-9682	VSC-9B-V3C	90	4				
	4" to 6"	M-9683	VSC-9B-V5C	90	4				
	6" to 10"	M-9684	VSC-9B-V8C	90	4				
	12" to 30"	M-9685	VSC-9B-V21C	90	4			'	
7/#7	FLAT(32" & LARGER)	M-9173	VSC-9C	90	4	M-9173-H	HDVSC-9C	150	4
	2" to 4"	M-9686	VSC-9C-V3C	90	4				
	4" to 6"	M-9687	VSC-9C-V5C	90	4				
	6" to 10"	M-9688	VSC-9C-V8C	90	4				
	12" to 30"	M-9689	VSC-9C-V21C	90	4				
7/#6	FLAT(32" & LARGER)	M-9114	VSC-9D	115	4	M-9114-H	HDVSC-9D	200	4
	2" to 4"	M-9690	VSC-9D-V3C	115	4				
	4" to 6"	M-9691	VSC-9D-V5C	115	4				
	6" to 10"	M-9692	VSC-9D-V8C	115	4				
	12" to 30"	M-9693	VSC-9D-V21C	115	4				
7/#5	FLAT(32" & LARGER)	M-9115	VSC-9E	115	4	M-9115-H	HDVSC-9E	200	4
	2" to 4"	M-9694	VSC-9E-V3C	115	4			Ì	
l	4" to 6"	M-9695	VSC-9E-V5C	115	4				
	6" to 10"	M-9696	VSC-9E-V8C	115	4				
	12" to 30"	M-9697	VSC-9E-V21C	115	4				_
19/#9	SEENOTE	M-9174	VSC-9F	115	4	M-9174-H	HDVSC-9F	200	4
19/#8	SEENOTE	M-9116	VSC-9G	150	4	M-9116-H	HDVSC-9G	250	4
19/#7	SEENOTE	M-9175	VSC-9H	200	4	M-9175-H	HDVSD-9H	2-150	5
19/#6	SEENOTE	M-9117	VSC-9J	200	4	M-9117-H	HDVSD-9J	2-150	5

NOTE: For molds to vertical pipe not listed, add nominal pipe size to mold number. EXAMPLE: For 19/#8 Copperweld® cable to 4" vertical pipe, the mold number would be M-9116-V4.

T	MOWELD [®] YPE S-18)		
CABLE	ST	ANDARD MOL	.DS	_
SIZE	THERMO MOLD#†	CADWELD® MOLD#	CART. SIZE	
7/#10 7/#8	M-9638 M-9639	VNC-9A VNC-9B	65 90	

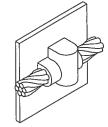


CABLE	ST	ANDARD MOL	.DS		HEAVY DUTY MOLDS					
SIZE	THERMO MOLD#†	CADWELD® MOLD#	CART. SIZE	P K	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K		
7/#10 7/#8 7/#7 7/#6	M-9638 M-9639 M-9640 M-9641	VNC-9A VNC-9B VNC-9C VNC-9D	65 90 90 115	4 4 4 4	HEAVY DUTY MOLDS NOT					
7/#5	M-9642	VNC-9E	115	4	AVAILABLE					
19/#9	M-9643	VNC-9F	115	4						

[†] Add (RH) to mold number for right hand mold or (LH) for left hand mold. Right hand (RH) mold will be furnished if none specified.

EXAMPLE: M-9640-LH

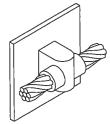
•	MOWELD® FYPE CS-7				CADWELD TYPE VF) ®			
CABLE	ST	ANDARDMOL	.DS		HEA	HEAVY DUTY MOLDS			
SIZE	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K	
7/#10 7/#8	M-9644 M-9645	VFC-9A VFC-9B	90 150	4	M-9644-H M-9645-H	HDVFC-9A HDVFR-9B	150 250	4	
7/#7 7/#6	M-9397 M-9413	VFC-9C VFR-9D	150 200	4 17	M-9397-H M-9413-H	HDVFR-9C HDVFF-9D	250 2-150	17 6	
7/#5	M-9398	VFR-9E	200	17	M-9398-H	HDVFF-9E	2-150	6	
19/#9	M-9646	VFR-9F	200	17	M-9646-H	HDVFF-9F	2-150	6	
19/#8	M-9647			17	M-9647-H	HDVFF-9G	2-200	6	
19/#7	M-9648				M-9648-H	HDVFF-9H	500	6	
19/#6	M-9649	VFF-9J	2-200	6	M-9649-H	HDVFF-9J	3-200	6	



CADWELD® TYPE VG

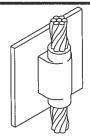
CABLE	STANDARDMOLDS					HEAVYDUTYMOLDS					
SIZE	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K		THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K		
7/#10	M-9650	VGC-9A	65	4			HEAVY				
7/#8	M-9651	VGC-9B	115	4			DUTY				
7/#7	M-9652	VGC-9C	115	4			MOLDS				
7/#6	M-9653	VGC-9D	150	4			NOT		\		
7/#5	M-9654	VGC-9E	150	4			AVAILABLE				
19/#9	M-9655	VGC-9F	150	4		1					

THERMOWELD®
TYPE
CS-6



CADWELD® TYPE VT

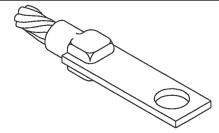
CABLE	ST	ANDARD MOL	.DS		HEAVYDUTYMOLDS					
SIZE	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K	THERMO MOLD#					
7/#10 7/#8 7/#7 7/#6 7/#5	M-9597 M-9598 M-9599 M-9600 M-9266 M-9399	VTC-9A VTC-9B VTC-9C VTC-9D VTC-9E VTC-9F	90 115 115 150 150	4 4 4 4 4		HEAVY DUTY MOLDS NOT AVAILABLE				



CADWELD® TYPE VV

CABLE	ST	ANDARD MOL	.DS		HEAVYDUTYMOLDS					
SIZE	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K		
7/#10	M-9118 VVC-9A 115		4	M-9118-H	HDVVR-9A	250	17			
7/#8	M-9594	200	17	M-9594-H	HDVVF-9B	2-200	6			
7/#7	M-9176 VVR-9C		200	17	M-9176-H	HDVVF-9C	2-200	6		
7/#6	M-9119	VVR-9D	250	17	M-9119-H	HDVVF-9D	500	6		
7/#5	M-9272	VVR-9E	250	17	M-9272-H HDVVF-9E		500	6		
19/#9	M-9177	VVR-9F	250	17	M-9177-H	HDVVF-9F	500	6		
19/#8	NOTAVAILABLE				M-9595-H	HDVVF-9G	3-200	6		
19/#7	INSTANDARD				M-9178-H	HDVVF-9H	3-200	6		
19/#6	MOLDSIZE				M-9596-H	HDVVF-9J	3-250	6		

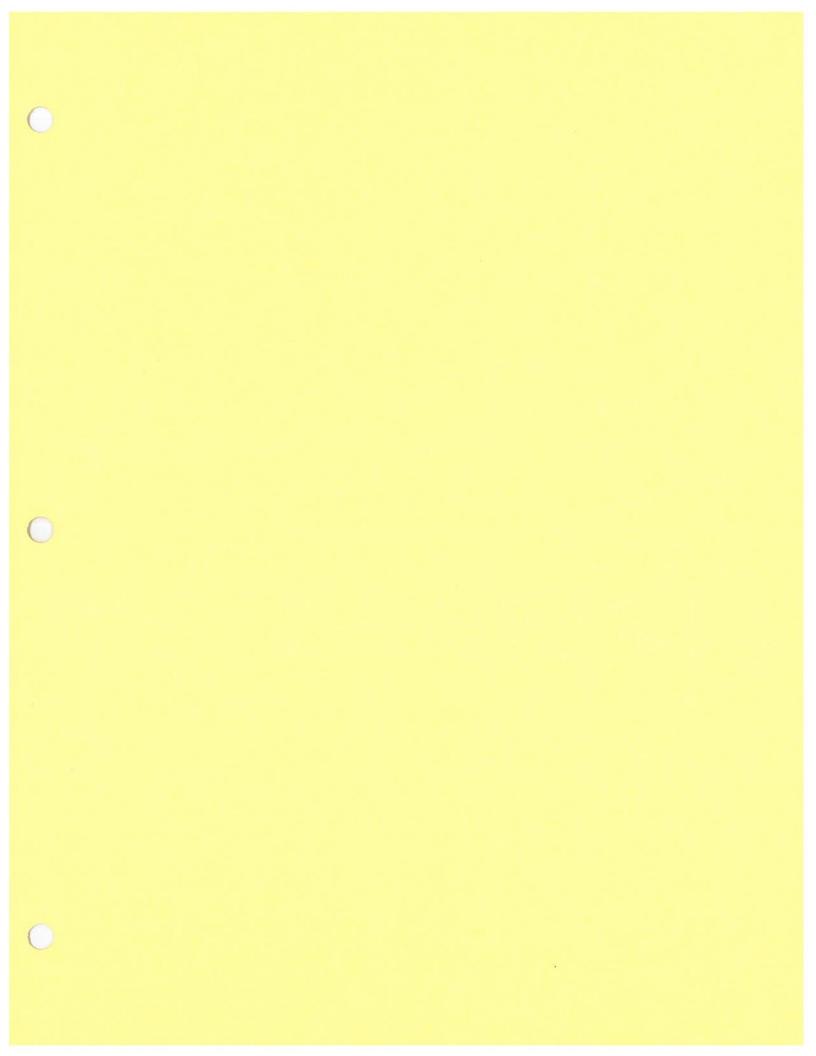
THERMOWELD®
TYPE
CB-1



CADWELD® TYPE LA

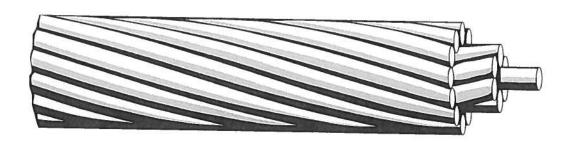
CABLE &	LUGSIZE	ST	ANDARD MOL	.DS		HE <i>A</i>	VY DUTY MOLD	S	
CABLE	LUG	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K	THERMO MOLD#	CADWELD® MOLD#	CART. SIZE	P K
7/#10	3/16 X 1	M-9607	LAC-9ADE	65	4				
7/#8	3/16 X 1	M-9701	LAC-9BDE	65	4				П
	1/4 X 1	M-9121	LAC-9BEE	65	4				
7/#7	3/16 X 1	M-9609	LAC-9CDE	90	4				(24)
	1/4 X 1	M-9126	LAC-9CEE	90	4				
7/#6	3/16 X 1	M-9410	LAC-9DDE	90	4				
1	1/4 X 1	M-9613	LAC-9DEE	90	4				1 1
	1/4 X 1-1/2	M-9127	LAC-9DEG	90	4		,		
7/#5	3/16 X 1	M-9617	LAC-9EDE	90	4				
	1/4 X 1	M-9445	LAC-9EEE	90	4				
	1/4 X 1-1/2	M-9228	LAC-9EEF	90	4				
19/#9	3/16 X 1	M-9181	LAC-9FDE	90	4				
	1/4 X 1	M-9620	LAC-9FEE	90	4				
	1/4 X 1-1/2	M-9182	LAC-9FEG	90	4				
19/#8	1/4 X 1	M-9129	LAC-9GEE	115	4				
	1/4 X 1-1/2	M-9131	LAC-9GEG	115	4				J
19/#7	1/4 X 1	M-9446	LAC-9HEE	150	4				
	1/4 X 1-1/2	M-9185	LAC-9HEG	150	4				
19/#6	1/4 X 1	M-9625	LAC-9JEE	200	4				
	1/4 X 1-1/2	M-9263	LAC-9JEG	200	4				

Contact Factory for Information About Heavy Duty Molds



Bare Copper Wire and Cable

Bare Copper Conductor. Solid and Stranded.



APPLICATIONS

Solid and stranded (classes AA and A) bare copper are suitable for overhead transmission and distribution applications. Stranded conductor of greater flexibility (classes B and C) are suitable for uninsulated hook up, jumpers, and grounds in electrical construction. Soft Drawn copper is unilay construction.

SPECIFICATIONS

Southwire's bare copper wire and cable meets or exceeds the following ASTM specifications:

- B-1 Hard-Drawn Copper Wire.
- B-2 Medium-Hard Copper Wire.
- B-3 Soft or Annealed Copper Wire.
- B-787 19 Wire Combination Unilay-Stranded Soft copper wire.
- B-8 Concentric-Lay-Stranded Hard, Medium-Hard or Soft Copper Conductor.

CONSTRUCTION

Bare copper, solid or stranded. Available in tempers hard, medium-hard, or soft. Stranded conductors are concentrically stranded in hard and medium-hard tempers and are Combination Unilay stranded in the soft-drawn temper.

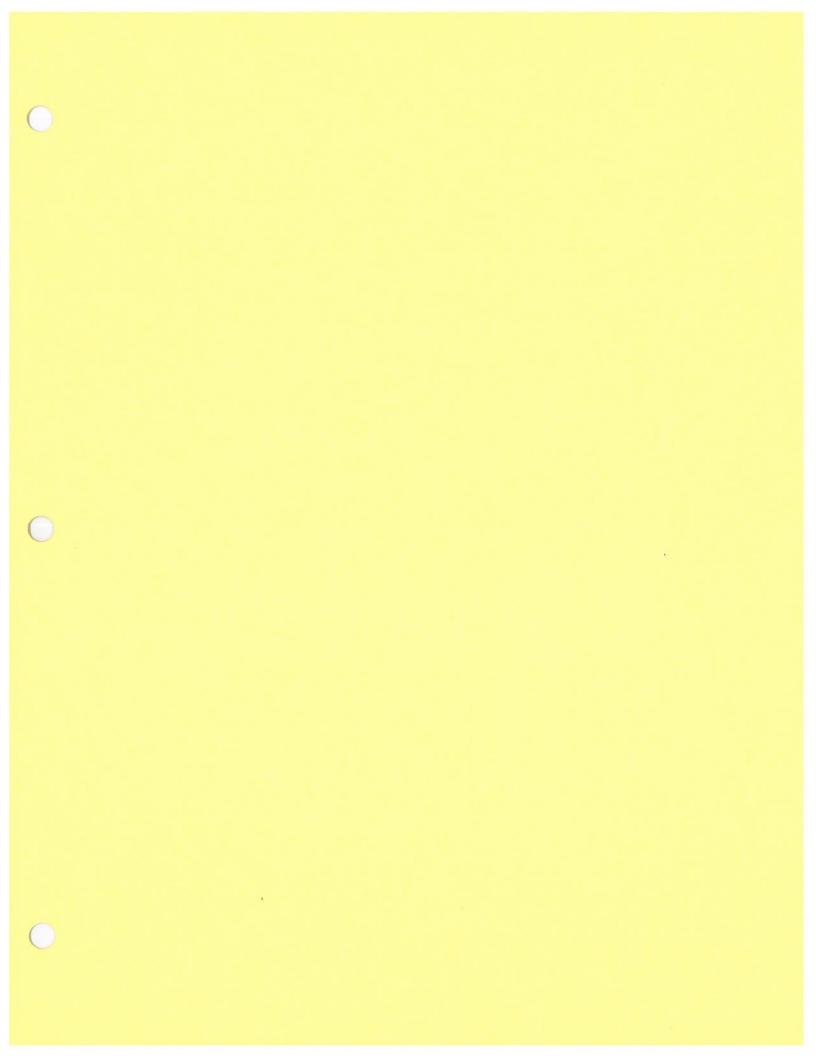
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Bare Copper

Size (AWG	Stranding	Stranding	Weight	Diameter (mils)		Hard-Drawn			Medium-Hard Drawn			Soft-Drawn (Annealed)			Allowable
or kcmii)		Class	Per 1000 ft. (Ibs.)	Individual Wires	Complete Cable	Rated DC Res Strength Ohms/10 20		00 ft. @	Rated DC Resistanc Strength Ohms/1000 ft. 20°C		000 ft. @	Rated Strength	DC Res Ohms/10 20	istance)00 ft. @	ft. @
			<u> </u>				STR	ANDED							
8	7	В	51	49	146	777		.6663	6	10	0 .6629		499		95
6	7	В	81	61	184	1228		.4191	9	959		794		.4030	130
4	7	A, B	128.9	77	232	1938		.2636	15	05	.2622	1320		.2534	170
3	7	A, B	162.5	87	260	2433		.2090	18	85	.2079	.2079 1670		.2010	200
2	7	A, B	204.9	97	292	30	50	.1660	23	60	0 .1650		2110		230
1	7	Α	258.4	109	328	3801		.1316	29)55	.1309	2552		.1252	265
1/0	7	A, AA	326.1	123	368	4752		.1042	3705		.1037	3221		.1002	310
1/0	19	В	326.1	75	373	4752		.1042	3705		.1037	3221		.1002	310
2/0	7	A, AA	410.9	138	414	5926		.08267	4640		.08224	4062		.07949	355
2/0	19	В	410.9	84	418	6690		.08267	4765		.08224	4024		.07949	355
3/0	7	A, AA	518.1	155	464	7366		.06556	5812		.06522	51	18	.06304	410
4/0	7	A, AA	653.3	174	522	9154		.05199	7278		.05172	6459		.04999	480
4/0	19	В	653.3	106	528	9617		.05199	7479		.05172	64	153	.04999	480
250	19	A	771.9	115	574	11360		.04400	8836		.04378	7627		.04231	530
250	37	В	771.9	82	575	11600		.04400	8952		.04378	7940		.04231	530
300	i 9	А	926.2	126	628	13510		.03667	10530		.03648	9160		.03526	590
350	19	A	1080.6	136	679	15590		.03143	12200		.03127	10680		.03022	650
500	37	A, B	1543.8	116	814	22510		.02200	17550		.02189	15240		.02116	810
600	37	Α, ΑΑ	1852.5	127	891	27	020	.01834	21	060	.01825	18	300	.01763	910
750	61	A, B	2315.6	111	998	34090		.01467	26510		.01459	22	22890		1040
1000	61	A, B	3087.5	128	1152	45	45030		35	100	.01094	30	500	.01058	1240

+Ampacity based on 75°C conductor temperature; 25°C ambient temperature; 2 ft./sec. wind in sun.

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Ground Bars Page 1 of 3



Ground Bars

Proper bonding is essential to create an equipotential plane between service grounds and equipment during fault and transient conditions. This equipotential plane provides a near zero voltage differential and serves to protect people and equipment during these events. The most popular bonding product in use today is the ground bar or bonding bar.



Features

• Provide a convenient, single-point grounding and bonding location

Applications

ERICO offers a wide variety of stocked configurations for the wireless telecommunications industry, as well as a perimeter bus system for halo grounds.

More Information

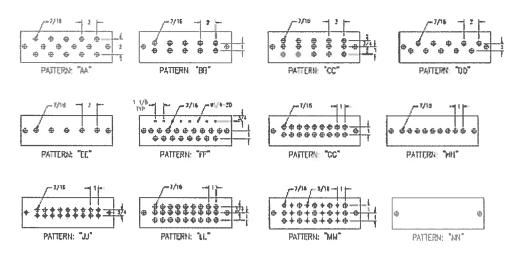
Ground Bars

Part No.	T (in)	W (in)	L (in)	Description
EGBA14112EE	1/4	1	12	Ground Bar (Insul & Brkt) with hole pattern EE
EGBA14212EE	1/4	2	12	Ground Bar (Insul & Brkt) with hole pattern EE
EGBA14212HH	1/4	2	12	Ground Bar (Insul & Brkt) with hole pattern HH
EGBA14212TES	1/4	2	12	Ground Bar (Insul & Brkt) with hole pattern GG and a pair of 5/16" holes (3/4" space) on either end
EGBA14215JJ	1/4	2	15	Ground Bar (Insul & Brkt) with hole pattern JJ
EGBA14215TES	1/4	2	15	Ground Bar (Insul & Brkt) with hole pattern GG and a pair of 5/16" holes (3/4" space) on either end
EGBA14410FF	1/4	4	10	Ground Bar (Insul & Brkt) with hole pattern FF
EGBA14412AA	1/4	4	12	Ground Bar (Insul & Brkt) with hole pattern AA
EGBA14412AA1TT	1/4	4	12	Tinned Ground Bar (Insul & Brkt) with hole pattern AA and a #2 solid tinned pigtail 26' long
EGBA14412BB	1/4	4	12	Ground Bar (Insul & Brkt) with hole pattern BB
EGBA14412CC	1/4	4	12	Ground Bar (Insul & Brkt) with hole pattern CC
EGBA14412MM	1/4	4	12	Ground Bar (Insul & Brkt) with hole pattern MM
EGBA14412NN	1/4	4	12	Ground Bar (Insul & Brkt) with no holes



EGBA14414KK	1/4	4	14	Ground Bar (Insul & Brkt) with hole pattern KK
EGBA14420CC	1/4	4	20	Ground Bar (Insul & Brkt) with hole pattern CC
EGBA14420CCSKY	1/4	4	20	Ground Bar (Insul & Brkt) with hole pattern CC and a pair of 5/16" holes on either end
EGBA14420CCT	1/4	4	20	Tinned Ground Bar (Insul & Brkt) with hole pattern CC
EGBA14420HIGT	1/4	4	20	Tinned Ground Bar (Insul & Brkt), 11 pair of 7/16" holes (13/16" between rows & 1" between columns), 2 pairs of 11/16" holes 1-334" spacing
EGBA14420NN	1/4	4	20	Ground Bar (Insul & Brkt) with no holes
EGBA14420HIG	1/4	4	20	Ground Bar (Insul & Brkt), 11 pair of 7/16" holes (13/16" between rows & 1" between columns), 2 pairs of 11/16" holes 1-334" spacing
EGBA14424CIGBE	1/4	4	24	Ground Bar (Insul & Brkt) CIGBE
EGBA14424CIGBET	1/4	4	24	Tinned Ground Bar (Insul & Brkt) CIGBE
EGBA14424MM	1/4	4	24	Ground Bar (Insul & Brkt) with hole pattern MM
EGBA14424CC	1/4	4	24	Ground Bar (Insul & Brkt) with hole pattern CC
EGBA14430CC	1/4	4	30	Ground Bar (Insul & Brkt) with hole pattern CC

Ground Bar Hole Patterns



Perimeter Bus System

Part No.	T (in)	W (in)	L (in)	Description
Straight Bus				
EPGC181120	1/8	1	120	Perimeter Ground Bus, with 7/16" Holes on 30" Centers
EPGC182120	1/8	2	120	Perimeter Ground Bus, with 7/16" Holes on 30" Centers
EPGC184120	1/8	4	120	Perimeter Ground Bus, with 7/16" Holes on 30" Centers
EPGC141120	1/4	1	120	Perimeter Ground Bus, with 7/16" Holes on 30" Centers
EPGC142120	1/4	2	120	Perimeter Ground Bus, with 7/16" Holes on 30" Centers