GROUND CONNECTORS

- C11000 electrolytic, unrecycled copper
- Cable from #6 AWG – 1000MCM
- Rod or Rebar from 3/8" – 1"
- Tin Plating available on all parts
- Pre-drilled inspection/weep hole
- IEEE & UL Qualified

CONNECTIONS THAT BREAK THE MOLD

Electrical utilities, wind and solar farms, large scale grounding projects and countless industrial projects around the world trust the tested strength and technology of the DMC Power Swage System.

Designed to meet and exceed the rigorous testing requirements of IEEE 837, our robust grounding connectors give your projects a lifetime of worry free connections and a permanent low-resistance path to ground, no matter the weather or soil conditions.

Handheld Swage Tools are compact, repeatable and easy to use in all conditions

360° compression reduces voids, allowing the fitting to run cooler

Discover the DMC Power Difference

- **ULTIMATE PERFORMANCE**
  Made with C11000 copper and the ability to carry the equivalent current (or greater) of the conductor, our connectors have conductivity ratings at 101% IACS, ensuring your substation has the highest level of performance and reliability possible.
- **FAST & CONVENIENT**
  All-weather operation reduces setup time and costly delays. Besides our tooling and connectors, no additional installation equipment, extra material, molds or shots are required.
- **VERSATILE TOOLING**
  Depending on the O.D., the same Power Unit & Head Assembly used with our Grounding Connectors can also be used with our line of Cable Connectors.
- **SAFE & RELIABLE**
  Push-button operation is simple, consistent and repeatable. Cold compression Swaging requires no special protective gear by eliminating heat, open flames and toxic fumes.
- **INSTANTLY INSPECTABLE**
  Confirming Swage results couldn't be easier; our "Go/No-Go" Inspection Gauge measures the Swage instantly, leaving you more time to get the job done.

Can't Find What You Need?

Our connectors are available in a variety of sizes to fit most any situation, but when a custom solution is needed, turn to DMC Power. Our in-house team can design, test and manufacture connectors to fit any specification or use, all under one roof at our ISO 9001:2008 certified facility.

Current Cycle Test per IEEE 837-2014

GC910
1-HOLE OFFSET PAD TERMINAL

Pads: 1"-2" | 1¼" OD Weight: ~1 lbs

Cu COPPER | TIN PLATING

ORDERING EXAMPLE

GC910B02GT

#2 AWG Barrel to 1", 1-Hole Offset Pad; Tin-Plated

GC920
2-HOLE OFFSET PAD TERMINAL

Pads: 1"-2" | 1¼" OD Weight: ~1¼ lbs

Cu COPPER | TIN PLATING

ORDERING EXAMPLE

GC920B100T

1000 MCM Barrel to 2", 2-Hole Offset Pad; Tin-Plated

GC929
NO-HOLE OFFSET PAD TERMINAL

Pads: 1"-2" | 1¼" OD Weight: ~1¼ lbs

Cu COPPER | TIN PLATING

ORDERING EXAMPLE

GC929B030T

300 MCM Barrel to 1-3/4", No-Hole Offset Pad; Tin-Plated

GC909
2-HOLE 90° PAD TERMINAL

Pads: 2" | 1¼" OD Weight: ~1¼ lbs

Cu COPPER | TIN PLATING

ORDERING EXAMPLE

GC909B050

500 MCM Barrel to 2", 2-Hole 90° Pad

GC922
2-HOLE OFFSET PAD DUAL CABLE TERMINAL

Pads: 1"-2" | 1¼" OD Weight: ~1¼ lbs

Cu COPPER | TIN PLATING

ORDERING EXAMPLE

GC922B004-004T

4/0 AWG Dual Cable Barrel to 1-3/4", 2-Hole Offset Pad; Tin-Plated

GC912
1-HOLE OFFSET PAD DUAL CABLE TERMINAL

Pads: 1"-2" | 1¼" OD Weight: ~1 lbs

Cu COPPER | TIN PLATING

ORDERING EXAMPLE

GC912B050-050T

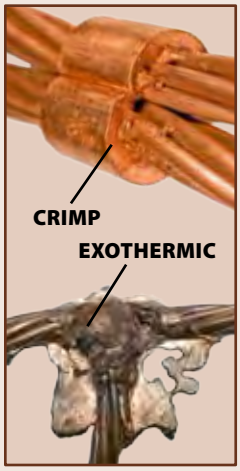
500 MCM Dual Cable Barrel to 2", 1-Hole Offset Pad; Tin-Plated

WHY TAKE A CHANCE WITH CRITICAL UTILITY INFRASTRUCTURE?

SWAGE SYSTEM

SWAGED

Wire strands become cold-welded to the connector creating a superior connection without the heat!



GC733
SPLIT RUN TEE

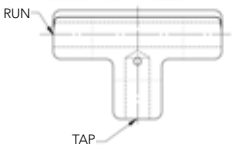
1¼" OD Weight ~1½ lbs

Cu COPPER | SPLIT | TIN PLATING

ORDERING EXAMPLE

GC733B025-500

Tee with 250 MCM Split Run and 1/2" Ground Rod Tap



GC731
THRU RUN TEE

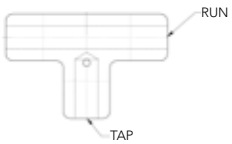
1¼" OD Weight ~1½ lbs

Cu COPPER | TIN PLATING

ORDERING EXAMPLE

GC731B002-025

Tee with 2/0 AWG Thru Run and 250 MCM Tap



GC741
THRU HOLE CROSS

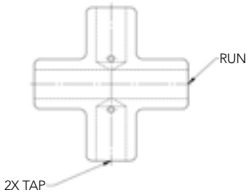
1¼" OD Weight ~2 lbs

Cu COPPER | TIN PLATING

ORDERING EXAMPLE

GC741B025-002

Cross with 250 MCM Thru Run and two, 2/0 AWG Taps



GC742
OFFSET DUAL SPLIT CROSS

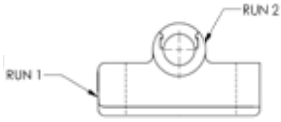
1¼" OD Weight ~2 lbs

Cu COPPER | SPLIT | TIN PLATING

ORDERING EXAMPLE

GC742B003-003

Offset Cross with 3/0 AWG and 3/0 AWG Split Runs



ALSO AVAILABLE:

Visit DMCPower.com to see additional Cross, Tee and Elbow connector styles.

GC730
3-TAP TEE

GC740
4 TAP CROSS

GC729
2-TAP ELBOW

GC743
OFFSET SPLIT RUN ELBOW

APPLICATION NOTES

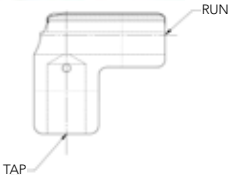
SIMPLIFY YOUR GROUND GRID USING 3 CONNECTORS

DMC Power Grounding connectors can be used in a variety of ways beyond their intended purpose. In fact, many customers have completed their entire grid with only the 3 parts on the following page:

GC739
SPLIT RUN ELBOW

1¼" OD Weight ~1¼ lbs

Cu COPPER | SPLIT | TIN PLATING



ORDERING EXAMPLE

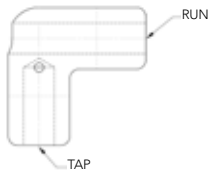
GC739B004-050

Elbow with 4/0 AWG Split Thru Run and 500 MCM Tap

GC736
THRU RUN ELBOW

1¼" OD Weight ~1¼ lbs

Cu COPPER | TIN PLATING



ORDERING EXAMPLE

GC736B02G-02G

Elbow with #2 AWG Thru Run and #2 AWG Tap

GC759
OFFSET DUAL SPLIT ELBOW

1¼" OD Weight ~1¾ lbs

Cu COPPER | SPLIT | TIN PLATING

ORDERING EXAMPLE

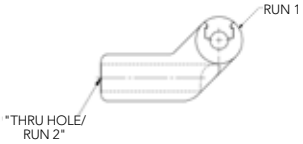
GC759B003-025

Offset Elbow with 3/0 AWG and 250 MCM Split Thru Runs

GC749
OFFSET SPLIT AND THRU RUN ELBOW

1¼" OD Weight ~1¾ lbs

Cu COPPER | SPLIT | TIN PLATING



ORDERING EXAMPLE

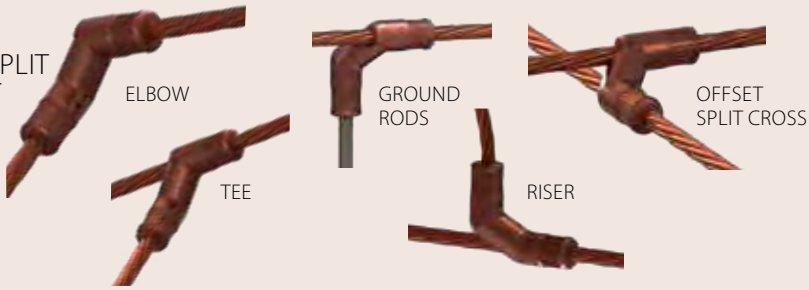
GC749B002-050

Offset Elbow with 2/0 AWG Split Thru Run and 500 MCM Thru Run

GC888 / GC721
SPLIT
PARALLEL

GC739
SPLIT
ELBOW

GC759
DUAL SPLIT
OFFSET
CROSS



GC721
SPLIT PARALLEL

1¼" OD Weight ~1¼ lbs

Cu COPPER | SPLIT | TIN PLATING

ORDERING EXAMPLE

GC721B025-025

250 MCM to 250 MCM Split Parallel

GC888
REDUCED SPLIT PARALLEL

1¼" OD Weight ~1¼ lbs

Cu COPPER | SPLIT | TIN PLATING

- Optimized design improves conductivity and performance while reducing material cost
- Solid web separation of conductors
- Single Swage installation
- Removable caps for easy installation
- Can be used as splice, tee, elbow or cross
- Fully tested and certified to all IEEE standards

ORDERING EXAMPLE

GC888B002-002

2/0 AWG to 2/0 AWG Reduced Split Parallel

Separation of Conductors

GC720
SPLICE

1¼" OD Weight ~1¼ lbs

Cu COPPER | TIN PLATING

ORDERING EXAMPLE

GC720B025-500

250 MCM to 1/2" Steel Rod Splice

Removable Split Caps

Single Swage Installation

Instantly Inspectable

APPLICATION NOTES

YOUR ONE STOP GROUND SOLUTION

DMC Power supplies all styles of high quality connectors needed to complete your grounding grid. With the push of a button on our lightweight tooling you can connect ground cables and rods in as little as 10 seconds. Trust the DMC Power Swage System for safe, repeatable, instantly inspectable and proven ground connections.

1. **GC920 –** 2-Hole Terminal
2. **GC910 –** 1-Hole Terminal
3. **GC740 –** 4-Tap Cross
4. **GC729 –** 2-Tap Elbow
5. **GC731 –** Thru Run Tee
6. **GC721 –** Split Parallel
7. **GC743 –** Offset Split Elbow
8. **GC739 –** Split Run Elbow
9. **GC759 –** Offset Dual Split Elbow
10. **GC736 –** Thru Run Elbow
11. **GC720 –** Splice
12. **GC741 –** Thru Run Cross
13. **GC730 –** 3-Tap Tee
14. **GC746 –** Alternate Thru Run Tee
15. **GC733 –** Split Run Tee
16. **GC740 –** 4-Tap Cross
17. **GC760 –** Fence Post Connector
18. **GC888 –** Reduced Split Parallel

GC765
FENCE POST CONNECTOR TO NEMA PAD

3" Weight ~3 lbs

Cu COPPER | TIN PLATING

ORDERING EXAMPLE

GC765B 32-000-920 T

- Fence Post NPS Size
- Left Side Terminal Type
- Right Side Terminal Type (000=None; 920=2-Hole; 910=1-Hole)
- Tin Plating (Optional)

2" Fence Post Bracket to a Right Aligned 2-Hole NEMA Pad; Tin-Plated

GC762
SWINGING GATE CONNECTOR

3" Weight ~5½ lbs

Cu COPPER | TIN PLATING

ORDERING EXAMPLE

GC762B24-64-002 D T

- Gate Frame NPS Size
- Gate Post NPS Size
- Splice Identifier Number
- Connector Placement (R=Right; L=Left; D=Dual)
- Tin Plating (Optional)

1-1/2" Swinging Gate Frame to 4" Gate Post with Dual 2/0 AWG Splices; Tin-Plated

GC760
FENCE POST CONNECTOR

3" Weight ~4 lbs

Cu COPPER | TIN PLATING

ORDERING EXAMPLE

GC760B 40-002-002 T

- Fence Post NPS Size
- Left Splice Identifier Number
- Right Splice Identifier Number
- Tin Plating (Optional)

2-1/2" Fence Post Bracket to Dual 1/0 AWG Splices

GC761
FENCE POST CONNECTOR WITH SLOTTED BOLT

3" Weight ~1½ lbs

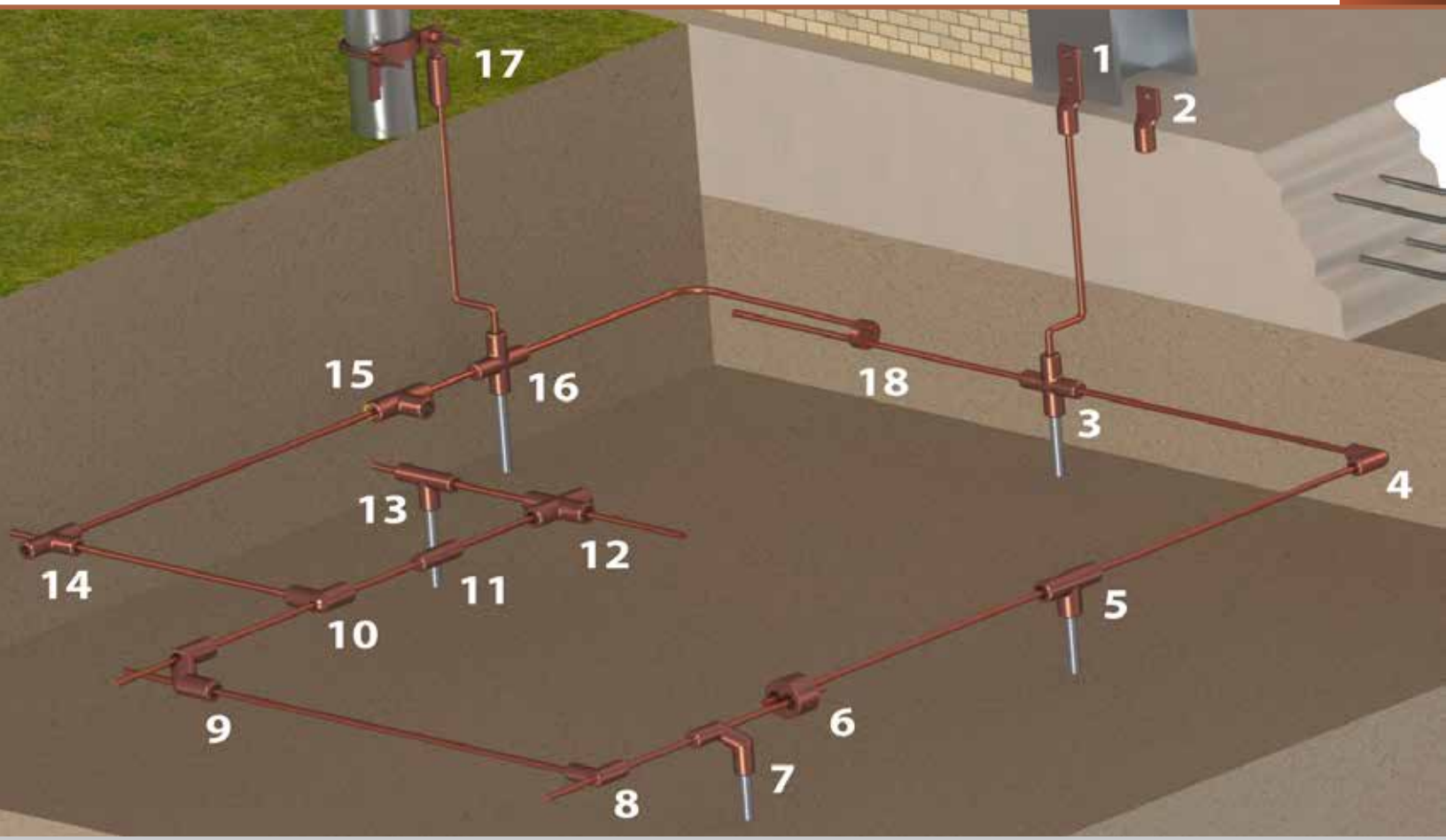
Cu COPPER | TIN PLATING

ORDERING EXAMPLE

GC761B 24 - 02G

- Fence Post NPS Size
- Slotted Bolt Identifier Number (02G; 04G)

1-1/2" Fence Post Bracket to #2 AWG Slotted Bolt



GROUNDING CABLE AND ROD IDENTIFIER NUMBERS

- Any combination of wire and/or rod connector is available
- The largest designator determines the part OD
- Consult DMC Power for Metric Rods and Rebar identifier code

Copper Cable (Ref. ASTM B8)

Bare Stranded Copper Size (AWG/kcmil)	Dead Soft Annealed Copperweld (Stranding/AWG)	Bare Stranded Copper Size (mm2) SI/Metric	Connector Identifier Number	Connector O.D. (±.015)	
#6 AWG	1/#6	10.8 & 12.6	06G	1.25	1.00 for parallel
#4 AWG	1/#4 & 3/#10	14.1, 16, 17.8 & 19.6	04G		
#2 AWG	1/#2, 3/#8 & 3/#9	22, 25, 27.6, 29.2, 34.4 & 35	02G		2.00 for parallel
1/0 AWG	3/#5, 3/#6 & 3/#7	48.3 & 50	002		
2/0 AWG	7/#8, 7/#9 & 7/#10	70 & 74.9			
3/0 AWG	7/#7 & 7/#6	83.6, 93.3 & 95	003		
4/0 AWG	7/#5	96.8, 116 & 120 (Compacted Wires)	004		
250 MCM	19/#9	120 & 134	025		
#4 AWG	1/#4 & 3/#10	14.1, 16, 17.8 & 19.6	04G	1.50	2.00 for parallel
#2 AWG	1/#2, 3/#8 & 3/#9	22, 25, 27.6, 29.2, 34.4 & 35	02G		
1/0 AWG	3/#5, 3/#6 & 3/#7	38.2, 48.3 & 50	002		2.25 to 2.75 for parallel
2/0 AWG	7/#8, 7/#9 & 7/#10	70 & 74.9			
3/0 AWG	7/#7 & 7/#6	83.6, 93.3 & 95	003		
4/0 AWG	7/#5	96.8, 116 & 120 (Compacted Wires)	004		
250 MCM	19/#9	120 & 134	025		
300 MCM	19/#8	145.8, 146, 150 & 185 (Compacted Wires)	030		
350 MCM	-	181.6, 182 & 185	035		
400 MCM	19/#7	194 & 240 (Compacted Wires)	040		
450 MCM	-	-	045		
500 MCM	19/#6	240	050		
500ROPELAY	19/#5	300	053		
750 MCM	-	-	075	1.875	
1000 MCM	-	500	100		

Ground Rod

Size	Material Type	Connector Identifier Number	Connector O.D. (±.015)	
3/8”	#3 Steel rebar	003	1.25	2.00 for parallel
1/2"	Copperclad-plain & sectional with 1/2” thread	025		
1/2"	Steel & copperclad sectional with 9/16” thread & #4 Steel rebar	500		
5/8"	Copperclad-plain & sectional with 5/8" thread	562		
5/8"	Steel plain & #5 Steel rebar	625		
3/4"	Copperclad-plain & sectional with 3/4" thread	682		
3/8”	#3 Steel rebar	003	1.50	2.25 for parallel
1/2"	Copperclad-plain & sectional with 1/2" thread	025		
1/2"	Steel & copperclad sectional with 9/16” thread & #4 Steel rebar	500		
5/8"	Copperclad-plain & sectional with 5/8" thread	030		
5/8"	Steel plain & #5 Steel rebar	035		
3/4"	Copperclad-plain & sectional with 3/4" thread	040		
3/4"	Steel plain	750		
1"	Copperclad-plain & sectional with 1" thread	914		
1"	Steel plain	950		

GROUND CONNECTOR ORDERING NOMENCLATURE

GROUNDING CONNECTORS

GCXXX B XXX – XXX T

1. **BASE CONNECTOR STYLE**
2. **MATERIAL CODE** (B=Copper)
3. **RUN / RUN1 / TAP1** (Cable or Ground Rod Identifier Number)
4. **TAP / TAP2 / RUN2** (Cable or Ground Rod Identifier Number)
5. **TIN PLATED FINISH** (Optional)

ORDERING EXAMPLE:

GC731	B	025 –	682T
Thru Hole Tee		250 MCM cable **Run**	3/4" Copperclad rod **Tap; Tin Plating**

FENCE POST CONNECTORS

GCXXX B XX – XXX – XXX T

1. **BASE CONNECTOR STYLE**
2. **MATERIAL CODE** (B=Copper)
3. **PIPE SIZE IDENTIFIER NUMBER** (See chart on page 19)
4. **LEFT BARREL IDENTIFIER NUMBER** (Cable or Ground Rod; Use "000" for none)
5. **RIGHT BARREL IDENTIFIER NUMBER** (Cable or Ground Rod; Use "000" for none)
6. **TIN PLATED FINISH** (Optional)

SINGLE BARREL ORDERING EXAMPLE:

GC760	B	32 –	002 –	000T
Cable/Rod to Fence Post		2" Pipe	7/#9 Copperweld **Left Barrel**	No **Right Barrel**; **Tin Plating**

DUAL BARREL ORDERING EXAMPLE:

GC760	B	64 –	025 –	030
Cable/Rod to Fence Post		4" Pipe	250 MCM cable **Left Barrel**	300 MCM cable **Right Barrel; No Finish**

TO FIND THE CORRECT TOOLING:

1. *Select required connector*

2. *Use the chart on page 38 to determine the Connector Identifier Number and Connector O.D. Use the larger O.D. for two different sized runs*

3. *Select the proper Head Assembly & Inspection Gauge based on the Connector O.D.*

Connector Type	Connector Identifier #					Connector O.D.	Swage Tool Head Assembly	Inspection Gauge
Tee Splice Cross Elbow Terminal Fence Connector	02G	04G	06G	002	003	1.25	DLT45CLHA03975	GCIG200-03975
	004	025	500	562	625			
	025	500	682					
	02G	04G	002	003	004	1.50	DLT45CLHA05565	GCIG200-05565
	025	030	035	040	045			
	050	053	500	750	914			
Parallel	04G	06G				1.00	DLT45CLHA02500	DLT45CLIG02500
	02G					1.50	DLT45CLHA05565	GCIG200-05565
						1.875	DLT45CLHA08745	GCIG200-08745
	002	003	004	025	035	2.00	DLT45CLHA11130	GCIG200-11130
	500	562	600	625				
	040	045	050	750	914	2.25	DLT45CLHA15900	GCIC200-15900
	950							

**Exceptions exist for some cable size combinations; refer to individual model drawing to confirm tooling. DLT45- Head Assemblies use the DLT45MAPW0000 Power Unit*