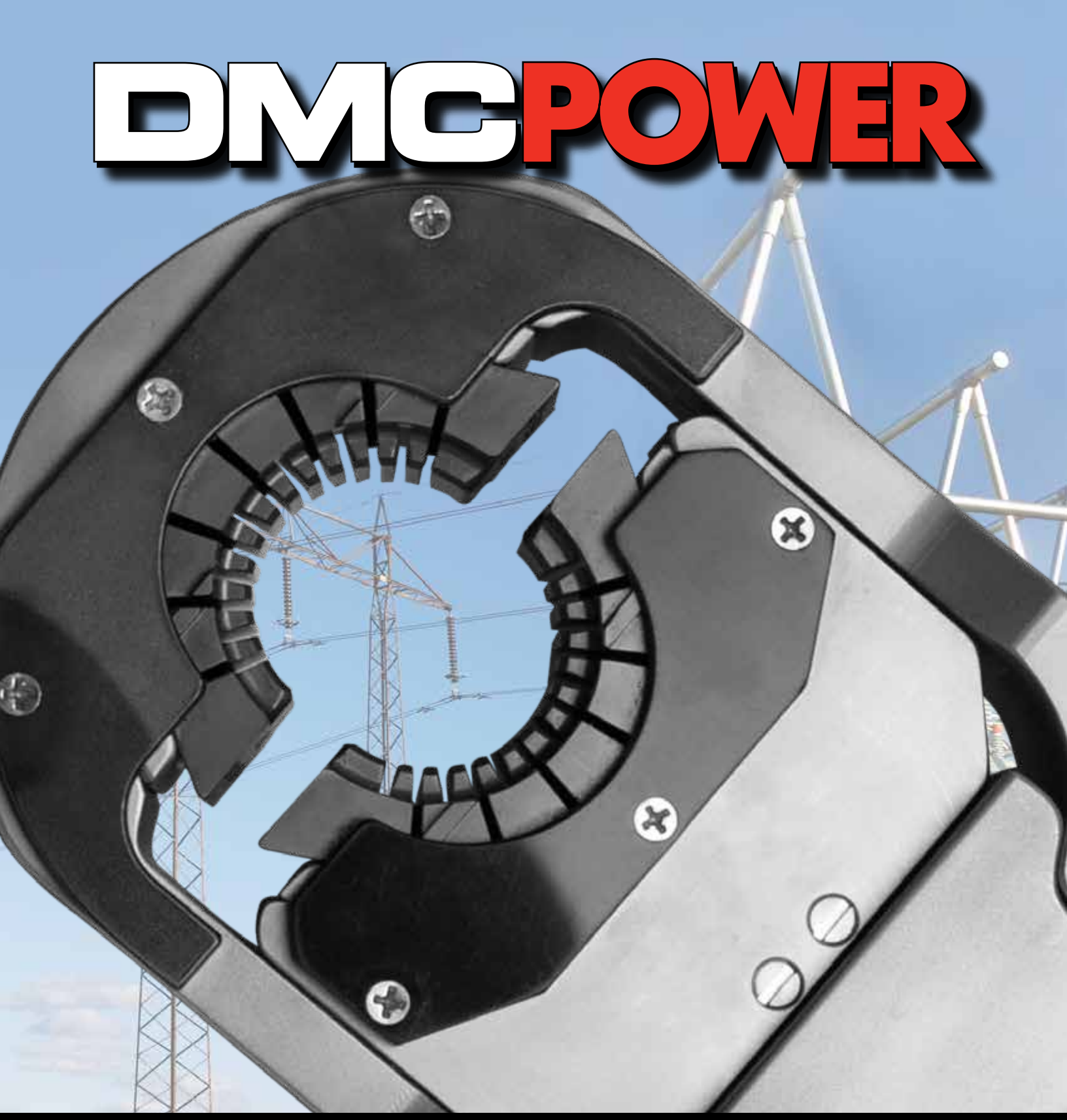
DMCPOWER



SWAGE CONNECTION SYSTEM

BUS | CABLE | GROUNDING | FULL TENSION

SUPERIOR SUBSTATION AND

DMC Power has rapidly evolved over the past half century from a manufacturer of aerospace components into a leading supplier of Substation and Transmission connections around the world. How did we do it? By inventing and perfecting the most advanced connection system in the world: 360° Radial Swaging.

Originally designed – and still in use - for Aerospace applications, DMC Power Swage Tools and Connectors are specially designed to work in tandem with each other to create the most robust and reliable bus, cable, ground and full tension connections in the power industry.

Our customers realize the overall value that DMC Power provides at each and every jobsite and the distinct advantages our Swage System has over other connection methods by being:

- **Faster** – Connections in as little as 15 seconds
- **Safer** – Absence of gases, chemicals, explosions, molten metal and potential line failure minimizes installer safety risks
- **Repeatable** – No variability based on installer or weather; consistent connections time after time
- **Verifiable** – Simple to use "Go/No-Go" Gauge ensures the connection is secure. No x-rays or other expensive & lengthy inspection methods required
- **Tested** – Extensively tested to meet or exceed all nationally recognized standards, including ANSI C119.4, NEMA CC1, IEEE & ASTM
- **Certified** – ISO 9001:2008 facility with engineering, testing and manufacturing under one roof
- **All-Weather** – On the job 365 days a year; no downtime during rain, sleet, snow, high wind, high humidity or muddy conditions
- **Unsurpassed Quality** – The best materials engineered for each application & process
- **Lower Total Project Cost** – By the end of the job, the total cost of the project (not to mention the risk of injury or connector failure involved with other systems) is by far the lowest in the industry
- **Global Presence, Local Support** – Training when and where you need it

SERIOUS QUALITY CONTROL

DMC Power is a "Total Quality" ISO 9001:2008 certified U.S. manufacturing facility committed to continuously and measurably improving our products, services and the overall Quality Management System.

Being ISO 9001:2008 certified helps ensure that our customers receive consistently great quality products with every order. This is achieved through continuous internal audits and yearly independent audits to verify our Quality Management System conforms to strict industry standards.

From initial quoting through on-time deliveries, our pledge to exceed customer expectations of a defect-free, premium value product is one we're proud to make and certain to deliver. We commit that we will provide:

- **Totally open communication with our customers**
- **Only the highest quality products and services**
- **Products and services delivered on time and in the best possible way**
- **Systems of continuous Quality Improvement**
- **Verified, independent test reports**
- **Continuously improved products, services, and the Quality Management System that supports them**

Our parts catalog contains just a small sample of the most popular connectors from the thousands of different styles and configurations we have available.

Each connector shown includes the base part number, description, image, a typical ordering example and a variety of icons which contain easy to understand information at a glance.

If you need more information, our world class sales and customer service teams are here to help you every step of the way. Simply call us at **888-SWAGE-NOW** or visit us online at **www.DMCPower.com** to see even more connectors, cut sheets, cross-reference guides, part builder tools and more!

3 1/2" – 6" 500kV *kV rating for a particular set of sizes**	3" Weight ~5 lbs *Approximate weight for the middle sized OD of a particular connector***	Pads 3"/4" *Different pad widths commonly used*
Cu CPL1100 *Base part number for the copper equivalent*	SPLIT *Base part number for using a split run*	3" CPLK9634 *Base part number for different pad widths than the one shown*
CAPPED *Connector is frequently ordered with one end capped*	EHV *Connector has an EHV rating*	TIN PLATING *Connector is frequently tin-plated*
ANGLES *Connector is frequently ordered with standard or custom angle variations*	BOLT CIRCLES *Shows the standard bolt circle patterns available*	PAD SIZE *Suffix indicator for various pad sizes and angles*

** Dependant on bolt shields, corona rings, cable spacing and application*
*** Contact factory for exact weights*

SWAGE TOOLING

- Single Swage installation in most applications
- Operates in all weather and ground conditions
- Consistent, repeatable, measurable performance
- Hydraulically operated
- Interchangeable heads for various applications
- Complete rental kits and accessories available

CONNECT WITH THE BEST

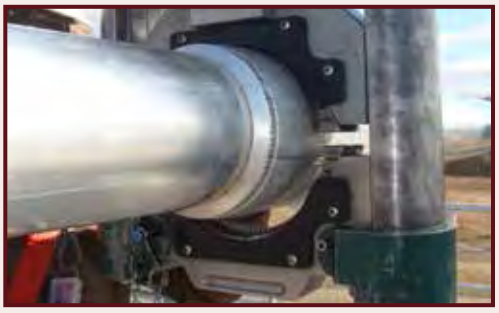
DMC Power connectors and Swage tools are proudly made in the U.S.A. and tested to exceed industry standards to provide you with the highest quality bus, cable, grounding, EHV and transmission connections.

Special attention has been paid to safety, speed, reliability and ease of use. We're confident that once you experience the benefits of Swaging you'll never go back to your old installation method again. The best part of the Swage System is that anyone can use our tools. With on-site training and by following the simple, safe, operation, safety and maintenance steps you will:

- **Increase installation speed**
- **Raise safety standards**
- **Reduce downtime**
- **Operate in all weather conditions**
- **Lower the total cost of your project**

Complete training designed to teach personnel how to properly install DMC Power Connectors and operate DMC Power Swage Tools are provided at no additional cost.

Contact your Territory Manager or DMC Power directly at **888-SWAGE-NOW** to schedule your team's training today!



WARRANTY INFORMATION

Our Swage tools are a highly engineered piece of equipment that have been designed, manufactured and tested to be used as a mate with only DMC Power connectors, completing our patented "Swage System". Everything we do in regards to material selection, manufacturing processes, testing and certification has come from decades of experience and independent testing of our system as a mate.

If DMC Power Swage Tools are not used with DMC Power connectors you are creating a safety and quality issue and immediately voiding all warranties or guarantees, implied or otherwise, on the tool and the connection being made. Any and all liabilities of the tool and connection will be the sole responsibility of the customer/end user.

DMC Power agrees to repair or replace, free of charge, any Yoke, Die Block or Power Unit manufactured by DMC Power which proves to be defective due to faulty workmanship or materials within 1 year of shipment from the factory. Dies, Endplates and Pumps have a 90 day warranty. This will be honored provided written notice is received by the company immediately following the discovery of such defect.

DMC Power shall have no liability for damages or delays resulting from the use of alternative connectors, any unauthorized substitute service parts or unauthorized repairs not performed by DMC Power. These actions will immediately void the warranty and may cause the equipment to perform in an unsatisfactory or unsafe manner.

360° SWAGING POWER

SUPERIOR QUALITY
Constructed from solid material for maximum strength and reliability

SAVES TIME
Consistently install connectors faster than other methods

ALL-WEATHER
Operates in freezing temperatures, wind, snow, rain & heat

IMPROVES SAFETY
No open flames or special safety equipment required

LOWER TOTAL PROJECT COST
Reduce labor expenses, set-up costs and downtime

INSPECTABLE QUALITY
Easily and immediately verify Swage with "Go/No-Go" Gauge

EASY TO USE
On-site training gets crews Swaging in as little as 15 minutes

CONSISTENT RESULTS
One button operation produces quick and repeatable results

EASY MAINTENANCE
Few moving parts and easy die removal for cleaning and lubrication

MULTI-PURPOSE
Single tool can be used for various bus, cable, grounding and full tensions applications

Contact DMC POWER to learn more about PURCHASE and RENTAL options

KIT INCLUDES
- Swage Tool
- Die Set
- Hydraulic Pump
- Hydraulic Hose
- Inspection Gauge
- Swage Lube
- Carrying Case

DLT45 / DP45

45 POWER UNIT

360° Power	Head Assembly Weight	Power Unit Weight
45 Tons	7+ lbs	17 lbs

Ground OD	Cable OD	Full Tension OD
1"– 2¼"	½"–2¼"	1¼"–2¼"

DLT45 Power Unit with 1-1/2" Head Assembly

TOOLING TIPS

Buy or Rent Interchangeable Head Assemblies and Inspection Gauges to Increase Tool Flexibility & Accelerate Time Savings!

BUS			
BUS O.D.	**HEAD ASSEMBLY**	**INSPECTION GAUGE**	**POWER UNIT**
1"	DLT57PLHA0016	PLKIG2000-16	DLT58MAPW0000
1 - 1/2"	DLT57PLHA0024	PLKIG2000-24	
2"	DLT57PLHA0032	PLKIG2000-32	
2 - 1/2"	DLT57PLHA0040	PLKIG2000-40	
3"	DLT57PLHA0048	PLKIG2000-48	
1"	DLT65PLHA0016	PLKIG2000-16	DLT65MAPW0000
1 - 1/2"	DLT65PLHA0024	PLKIG2000-24	
2"	DLT65PLHA0032	PLKIG2000-32	
2 - 1/2"	DLT65PLHA0040	PLKIG2000-40	
3"	DLT65PLHA0048	PLKIG2000-48	
3 - 1/2"	DLT65PLHA0056	PLKIG2000-56	
4"	DLT65PLHA0064	PLKIG2000-64	
5"	DLT86PLHA0080	PLKIG2000-80	DLT86MAPW0000
6"	PLT115PLTA0000	PLKIG2000-96	PLT115MAPE1000

CABLE AND GROUND			
FITTING O.D.	**HEAD ASSEMBLY**	**INSPECTION GAUGE**	**POWER UNIT**
1/2"	DLT45CLHA00004	DLT45CLIG00004 (C) GCIG200-02G (G)	DLT45MAPW0000
3/4"	DLT45CLHA00010	DLT45CLIG00010	
1"	DLT45CLHA02500	DLT45CLIG02500	
1 - 1/4"	DLT45CLHA03975	DLT45CLIG03975 (C) GCIG200-03975 (G)	
1 - 1/2"	DLT45CLHA05565	DLT45CLIG05565 (C) GCIG200-05565 (G)	
1 - 3/4"	DLT45CLHA07155	DLT45CLIG07155	
1 - 7/8"	DLT45CLHA08745	DLT45CLIG08745 (C) GCIG200-08745 (G)	
2"	DLT45CLHA11130	DLT45CLIG11130 (C) GCIG200-11130 (G)	
2 - 1/4"	DLT45CLHA15900	DLT45CLIG15900 (C) GCIG200-15900 (G)	
2 - 3/4"	DLT58CLHA25000	DLT45CLIG25000	DLT58MAPW0000
3 - 1/4"	DLT58CLHA40000	DLT45CLIG40000	

DLT58 / DP58

58 POWER UNIT

360° Power	Head Assembly Weight	Power Unit Weight
58 Tons	18+ lbs	26 lbs

Bus OD	Cable OD	Full Tension OD
1"-3"	2¾"	2"-2¾"

DLT58 Power Unit with 3" Head Assembly

DLT65

65 POWER UNIT

360° Power	Head Assembly Weight	Power Unit Weight
65 Tons	23+ lbs	28 lbs

Bus OD
1"-4"

DLT65 Power Unit with 4" Head Assembly

DP85 (Full Tension)
DLT86 (5" Bus)

85 & 86 POWER UNITS

360° Power	Head Assembly Weight	Power Unit Weight
85/86 Tons	24+ lbs	43+ lbs

Bus OD	Full Tension OD
5"	⅝"-2¾"

DP85 Power Unit with 2" Full Tension Head Assembly

DLT86 Power Unit with 5" Head Assembly

PLT115

6" BUS TOOL

360° Power	Head Assembly Weight	Bus OD
115 Tons	500 lbs	6"

- 2-Stage Pump Required (PLT115PLPE1001) – see next page
- Includes 5-Point lifting cradle for easy installation at any angle

TOOLING TIPS

DMC Power Offers Three Great Options To Get You Started Swaging:

1 PURCHASE

Perfect choice for users with:

- Continuous projects
- Higher volume connections
- Unpredictable weather
- Tool maintenance personnel

2 RENTAL

Great option for:

- Low volume projects
- Budget conscious users
- Expanding Swage tool potential (rent Head Assemblies)
- Emergency maintenance/repairs
- Accelerated time savings (Rent multiple tools)
- Short staffed/welders not available

3 TRIAL

Whether you're brand new to Swaging or are already a satisfied customer exploring new product categories, we've got you covered with our Tool Trial offer.

DMC Power will deliver Swage Tooling to your jobsite or facility, train your team and let you see for yourself – on your own LIVE project - the power of Swaging with this low risk commitment.

ALL TOOLS QUALIFY FOR:

FREE user training | 24/7 jobsite support | International shipping | Bulk discounts

Tooling is on the shelf and ready to ship - call **888-SWAGE-NOW** to place your order today!

HYDRAULIC PUMPS

- Reservoir sight window to determine hydraulic oil level
- Various Hydraulic Hose and Hand Control options available
- Factory filled hydraulic oil reservoir
- Shipped safely in sturdy, wheeled case

DLT12MAPE1001

ELECTRIC HYDRAULIC PUMP

- Used with DLT45/58/65/85/86 Power Units
- Calibrated to stop at 10,000 psi
- Push button activation and automatic retraction
- 5/8 HP, 10,000 RPM motor
- 115V AC, 50/60 Hz
- 1.6 quart hydraulic fluid reservoir
- 7"L x 8"W x 14"H; 28 lbs
- Includes 10' push button hand control and 10' hydraulic hose with threaded connectors

PLT115PLPE1001

2-STAGE HYDRAULIC PUMP

- Used with the PLT115 6" Bus tool only
- Calibrated to stop at 9,000 psi
- Manual control with advance, hold & retract settings
- 1/2 HP, 12,000 RPM motor
- 110/115V AC, 50/60 Hz
- 1/2 gallon hydraulic fluid reservoir
- 12"L x 10"W x 19"H; 42 lbs
- Includes 10' push button hand control and 10' hydraulic hose with threaded connectors

DLT17MAPE1001

GAS POWERED PUMP

- Used with all Power Units
- 2-Stage pump for rapid advance
- Calibrated to stop at 10,000 psi
- 5.5 HP Honda CHV-Type engine
- Includes protective roll cage
- 3 gallon hydraulic fluid reservoir
- 22"L x 20"W x 25"H; 154 lbs
- Includes 50' push button hand control and 50' hydraulic hose with threaded connectors

BUS CONNECTORS

- Aluminum or Copper material
- Includes pre-applied anti-oxidant compound
- Standard & custom pad sizes & angles available
- Machined to exact specifications from 1”-6”
- External fittings work with 40, 60, 80 & 120 schedules
- Non-standard and metric sizes available

FASTER, MORE RELIABLE BUS INSTALLATIONS

If installation speed, quality, safety and total project cost is important on your jobsite, stop welding and start Swaging.

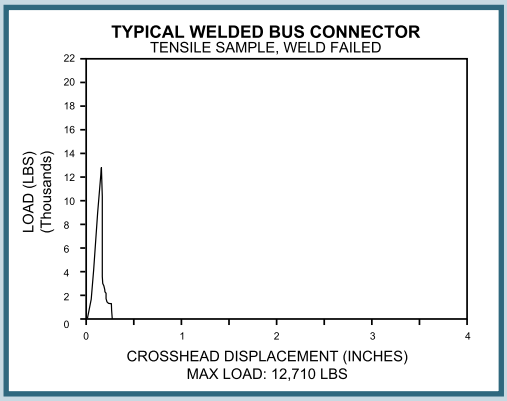
Extensive comparative testing shows the DMC Power Swaging system outperforms welded and bolted counterparts in all major tests. Each Swaged Bus connector results in a superior mechanical, thermal and electrical connection for your substation needs.

Qualified to meet or exceed all the nationally recognized standards, including ANSI C119.4 and NEMA CC1, the DMC Power system raises the quality, safety and productivity standard on your site, rendering conventional methods obsolete.

Putting DMC Power to the Test
(typical results for 2" bus fittings)

Corona/RIV	Qualified for up to 765kV substations*
Fault Current	45kA
Current Cycle	500 cycles air, 100 cycles water
Bending	13,000 lbs. load
Vibration	2hz to 125hz, over 1 million cycles
Tensile	Over 17,000 lbs.
Salt Fog	1,000 hours per ASTM B117-90

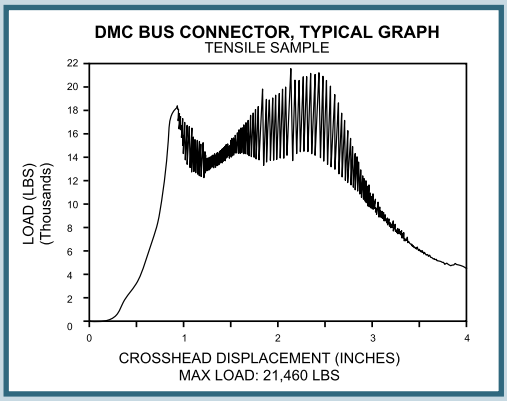
* Some parts may require additional shielding



Typical Test Graph for Welded Connector Failure

THE PROOF IS IN THE TESTING

Swaged connections carry a greater tensile load for a longer amount of time versus welding.



Typical Test Graph for DMC Power Swaged Connector

Current Cycle Testing

Temperature Rise Testing

Bend Testing

Vibration Testing

PLK1000

SPLICE

1" – 2½" 230kV | 3" – 4" 500kV | 5" – 6" 765kV | 3" Weight ~4 lbs

Cu CPL1000 | PLK5000 | EHV

ORDERING EXAMPLE

PLK1000D16

1" Aluminum Splice

PLK1010

SPLICE REDUCER

1" – 2½" 230kV | 3" – 4" 500kV | 5" – 6" 765kV | 3" Weight ~5 lbs

Cu CPL1010 | EHV

ORDERING EXAMPLE

PLK1010D 24 64

Small Run / Large Run

2-½" to 4" Aluminum Splice Reducer

PLK1160

GROUND STUD ASSEMBLY

1" – 6" 230kV | 3" Weight ~4 lbs

Cu CPL1160 | PLK5160 | CAPPED

ORDERING EXAMPLE

PLK1160D48

3" Aluminum Splice with Ground Stud

PLK3160

EHV GROUND STUD WITH BALL

1" – 6" 500kV | 3" Weight ~6 lbs

Cu CPL3160 | PLK3166 | CAPPED | EHV

BALL SIZES 8=8"/345kV | 12=12"/500kV

ORDERING EXAMPLE

PLK3160D64 - 12 Ball Diameter

4" Aluminum EHV Splice with 500kV, 12" Ball Ground Stud

PLK1161

GROUND STIRRUP

1" – 6" 230kV | 3" Weight ~7 lbs

Cu CPL1161 | PLK5161 | CAPPED

ORDERING EXAMPLE

PLK1161D80

5" Aluminum Splice with Ground Stirrup

PLK1165

DUAL GROUND STUD ASSEMBLY

1" – 6" 230kV | 3" Weight ~5 lbs

Cu CPL1165 | PLK5165 | CAPPED

ORDERING EXAMPLE

PLK1165D24

1-½" Aluminum Splice with Dual Ground Studs

SPLIT FITTINGS FOR EASY INSTALLATION

Many of our connectors can be made with a split main run, making it easy to tap onto existing Bus structures. Simply place one half of the fitting over the Bus bar and slide the other half into the interlocking grooves. The two halves are now surrounding the Bus bar and can be securely Swaged on each end in seconds.

Look for this icon PLK5### and the corresponding base part number on our most popular split fitting connectors, or just replace the first digit (PLK**1**###) with a 5 (PLK**5**###) for your new split fitting part number.

APPLICATION NOTES

PLK1350

END CAP

1" – 6" 230kV | 3" Weight ~3 lbs

Cu CPL1350 | CAPPED

ORDERING EXAMPLE

PLK1350D48

3" Aluminum End Cap

PLK1360

ROUNDED END CAP

1" – 6" 230kV | 3" Weight ~4 lbs

Cu CPL1360 | CAPPED

ORDERING EXAMPLE

PLK1360D32

2" Aluminum Rounded End Cap

PLK3361

EHV BALL-STYLE END CAP

3" – 6" 500kV | 3" Weight ~4½ lbs

Cu CPL3361 | CAPPED | EHV

BALL SIZES | 8=8"/345kV | 12=12"/500kV

ORDERING EXAMPLE

PLK3361D64 - 12 – Ball Diameter

4" Aluminum EHV End Cap with 500kV, 12" Ball

PLK3400

EHV ELBOW WITH CORONA RING

3" – 6" 500kV | 4" Weight ~11 lbs

Cu CPL3400 | EHV

ANGLES | E1=30° | E2=45° | E3=60° | E4=90°

ORDERING EXAMPLE

PLK3400D80E3 – Elbow Angle

5" Aluminum EHV Elbow with Corona Ring at 60° Angle

PLK1400

ELBOW

1" – 6" 230kV | 3" Weight ~5 lbs

Cu CPL1400 | EHV

ANGLES | E1=30° | E2=45° | E3=60° | E4=90°

ORDERING EXAMPLE

PLK1400D32E1 – Elbow Angle

2" Aluminum Elbow at 30° Angle

PLK3401

EHV LARGE RADIUS ELBOW

3" – 6" 500kV | 4" Weight ~14 lbs

Cu CPL3401 | EHV

ANGLES | E1=30° | E2=45° | E3=60° | E4=90°

ORDERING EXAMPLE

PLK3401D64E4 – Elbow Angle

4" Aluminum EHV Large Radius Elbow at 90° Angle

PLK1600

A-FRAME

1" – 2½" 230kV | 3" – 4" 500kV | 5" – 6" 765kV | 3" Weight ~16 lbs

Cu CPL1600 | PLK5600 | ANGLES | EHV

ORDERING EXAMPLE

PLK1600D48 64 – Tap/Leg, Main Run

4" Aluminum A-Frame with Two, 3" Taps at standard 30° Angle

PLK1500

TEE

1" – 2½" 230kV | 3" – 4" 500kV | 5" – 6" 765kV | 3" Weight ~7 lbs

Cu CPL1500 | PLK5500 | EHV

ANGLES | E1=0° | E2=15° | E3=30° | E4=45°

ORDERING EXAMPLE

PLK1500D 16 40 E2 – Tap/Leg, Main Run, Leg Angle

Aluminum Bus Tee connecting 1" Tap to 2-1/2" Run at 15° Angle

PLK1100

4-HOLE LONGITUDINAL PAD TEE

1" – 3"	3½" – 6"	Pads	3" Weight
230kV	500kV	3"/4"	~7 lbs

Cu CPL1100 | PLK5100 | CAPPED | EHV

PAD SIZE: E1=4"x5" | E2=4"x5.5" | E3=4"x7" | E4=4"x8" | E5=3"x5" | E6=3"x5.5" | E7=3"x7" | E8=3"x8"

ORDERING EXAMPLE

PLK1100D32E1 — Pad Size

2" Aluminum Tee with 4"x5", 4-Hole Longitudinal Pad

PLK1120

DUAL 4-HOLE LONGITUDINAL PAD TEE

1" – 3"	3½" – 6"	Pads	3" Weight
230kV	500kV	3"/4"	~7 lbs

Cu CPL1120 | PLK5120 | CAPPED | EHV

PAD SIZE: E1=4"x5" | E2=4"x5.5" | E3=4"x7" | E4=4"x8"

ORDERING EXAMPLE

PLK1120D48E1 — Pad Size

3" Aluminum Tee with Two, 4"x5", 4-Hole Longitudinal Pads

PLK1150

4-HOLE 90° TRANSVERSE PAD TEE

1" – 3"	3½" – 6"	Pads	3" Weight
230kV	345kV	3"/4"	~6 lbs

Cu CPL1150 | PLK5150 | CAPPED | EHV

PAD WIDTH: L1=3" | L2=4"

PAD LENGTH: E1=4.5" | E2=5.5" | E3=7" | E4=8"

ORDERING EXAMPLE

PLK1150DL1E3 — Pad Width, Pad Length

2" Aluminum Tee with 3"x7", 4-Hole 90° Transverse Pad

PLK1170

DUAL 4-HOLE 90° TRANSVERSE PAD TEE

1" – 3"	3½" – 6"	Pads	3" Weight
230kV	345kV	3"/4"	~7 lbs

Cu CPL1170 | PLK5170 | CAPPED | EHV

PAD WIDTH: L1=3" | L2=4"

PAD LENGTH: E1=4.5" | E2=5.5" | E3=7" | E4=8"

ORDERING EXAMPLE

PLK1170D80L2E3 — Pad Width, Pad Length

5" Aluminum Tee with Two, 4"x7", 4-Hole 90° Transverse Pads

PLK1200

2-HOLE LONGITUDINAL PAD TEE

1" – 6"	Pads	3" Weight
230kV	2"	~4 lbs

Cu CPL1200 | PLK5200 | CAPPED

PAD LENGTH: E1=5" | E2=5.5" | E3=7" | E4=8"

ORDERING EXAMPLE

PLK1200D32E1 — Pad Length

2" Aluminum Tee with 2"x5", 2-Hole Longitudinal Pad

PLK1250

2-HOLE 90° TRANSVERSE PAD TEE

1" – 6"	Pads	3" Weight
230kV	2"	~4 lbs

Cu CPL1250 | PLK5250 | CAPPED

PAD LENGTH: E1=5" | E2=5.5" | E3=7" | E4=8"

ORDERING EXAMPLE

PLK1250D48E1 — Pad Length

3" Aluminum Tee with 2"x5", 2-Hole 90° Transverse Pad

PLK1106

6-HOLE LONGITUDINAL PAD TEE

1" – 3"	3½" – 6"	Pads	3" Weight
230kV	500kV	5"/6"	~7 lbs

Cu CPL1106 | PLK5106 | CAPPED | EHV

PAD SIZE: E1=5"x5" | E2=5"x6" | E3=5"x7" | E4=5"x8" | E5=6"x5" | E6=6"x6" | E7=6"x7" | E8=6"x8"

ORDERING EXAMPLE

PLK1106D48E1 — Pad Size

3" Aluminum Tee with 5"x5", 6-Hole Longitudinal Pad

PLK1156

6-HOLE 90° TRANSVERSE PAD TEE

1" – 3"	3½" – 6"	Pads	3" Weight
230kV	345kV	5"/6"	~7 lbs

Cu CPL1156 | PLK5156 | CAPPED | EHV

PAD SIZE: E1=5"x5" | E5=6"x5"

ORDERING EXAMPLE

PLK1156D16E5 — Pad Size

1" Aluminum Tee with 6"x5", 6-Hole 90° Transverse Pad

PLK1850

4-HOLE CENTER FORMED PAD TERMINAL

1" – 3" 345kV | 3½" – 6" 500kV | Pads 3"/4" | 3" Weight ~4 lbs

Cu CPL1850 | ANGLES | EHV

PAD WIDTH | A = 3" | B = 4"

ORDERING EXAMPLE

PLK1850D80 B – Pad Width

5" Aluminum Terminal with 4", 4-Hole Center Formed Pad

PLK1880

4-HOLE OFFSET PAD TERMINAL

1" – 3" 345kV | 3½" – 6" 500kV | Pads 3"/4" | 3" Weight ~4 lbs

Cu CPL1880 | ANGLES | EHV

PAD WIDTH | A = 3" | B = 4"

ORDERING EXAMPLE

PLK1880D24 A – Pad Width

1-1/2" Aluminum Terminal with 3", 4-Hole Offset Pad

ANGLED PAD OPTIONS:

Copper, 3" pad, EHV and custom angles are available. Visit the product page on DMCPower.com for details.

PLK1863

4-HOLE 30° ANGLED PAD

PLK1860

4-HOLE 45° ANGLED PAD

PLK1866

4-HOLE 60° ANGLED PAD

PLK1870

4-HOLE 90° ANGLED PAD

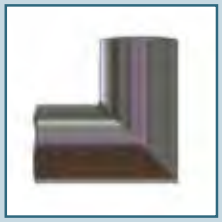
CUSTOM SOLUTIONS

ANY CONNECTOR. ANY ANGLE.

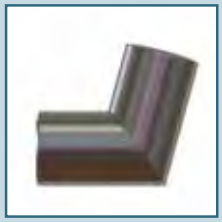
Of course we have standard 15°, 30°, 45°, 60°, 75° & 90° angled parts, but what happens when something doesn't match up exactly as designed, shifts over time or needs to be cut out and replaced?

Because we can custom make each individual connector to your exact specifications, any standard or custom angle combination is possible.

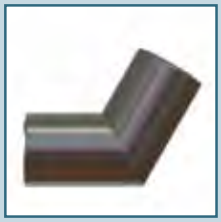
This icon ANGLES indicates we have numerous options ready to be machined for the part listed, just call **888-SWAGE-NOW** with your specs and let DMC Power take care of the rest.



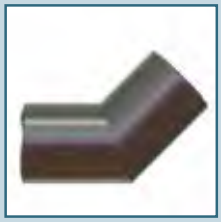
90° Angle



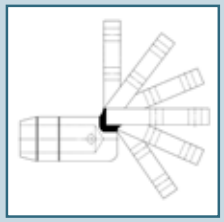
75° Angle



60° Angle



45° Angle



Custom Angles

PLK1855

2-HOLE CENTER FORMED PAD TERMINAL

1" – 6" 230kV | Pads 2" | 3" Weight ~3 lbs

Cu CPL1855 | ANGLES

ORDERING EXAMPLE

PLK1855D64

4" Aluminum Terminal with 2", 2-Hole Center Formed Pad

PLK1885

2-HOLE OFFSET PAD TERMINAL

1" – 6" 230kV | Pads 2" | 3" Weight ~3 lbs

Cu CPL1885 | ANGLES

ORDERING EXAMPLE

PLK1885D24

1-1/2" Aluminum Terminal with 2", 2-Hole Offset Pad

PLK1865

2-HOLE 45° PAD TERMINAL

1" – 6" 230kV | Pads 2" | 3" Weight ~3 lbs

Cu CPL1865

ORDERING EXAMPLE

PLK1865D32

2" Aluminum Terminal with 2", 2-Hole 45° Pad

PLK1875

2-HOLE 90° PAD TERMINAL

1" – 6" 230kV | Pads 2" | 3" Weight ~3 lbs

Cu CPL1875

ORDERING EXAMPLE

PLK1875D16

1" Aluminum Terminal with 2", 2-Hole 90° Pad

PLK1886

6-HOLE OFFSET PAD TERMINAL

1" – 3" 230kV | 3½" – 6" 500kV | Pads 5"/6" | 3" Weight ~8 lbs

Cu CPL1886 | ANGLES | EHV

PAD WIDTH | A = 5" | B = 6"

ORDERING EXAMPLE

PLK1886D80 B – Pad Width

5" Aluminum Terminal with 6", 6-Hole Offset Pad

PLK1856

6-HOLE CENTER FORMED PAD TERMINAL

1" – 3" 230kV | 3½" – 6" 500kV | Pads 5"/6" | 3" Weight ~7 lbs

Cu CPL1856 | ANGLES | EHV

PAD WIDTH | A = 6" | B = 5"

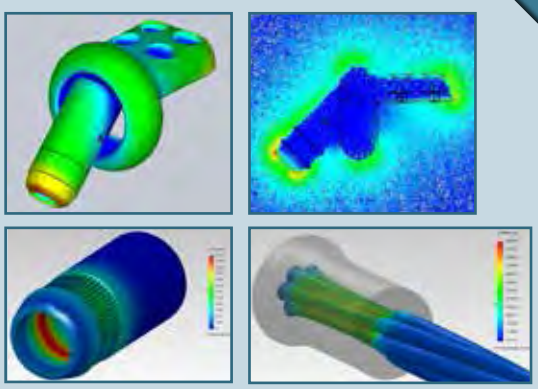
ORDERING EXAMPLE

PLK1856D96 A – Pad Width

6" Aluminum Terminal with 6", 6-Hole Center Formed Pad

NEXT GENERATION ENGINEERING

From computer simulations and tensile testing to delivering the final AUTOCAD Drawing and Connectors, DMC Power's in-house engineering and R&D team can design, test and deliver any connector faster than anyone. Contact your local Territory Manager to get your custom project started today.



SUPERIOR DESIGN

PLK2210

SLIP/RIGID FIT SWAGED BUS SUPPORT

1" – 6" 345kV | 3" Weight ~10 lbs

Cu CPL2210

BOLT CIRCLES E1=3" E2=5" E3=7" E12=3"/5"

ORDERING EXAMPLE (Bolt Circle)

PLK2210D40 E12

2-1/2" Slip/Rigid Bus Support with 3" & 5" Bolt Circles

PLK3210

EHV SLIP/RIGID FIT SWAGED BUS SUPPORT

3" – 6" 500kV | 3" Weight ~10 lbs

Cu CPL3210 EHV

BOLT CIRCLES E12=3"/5" E23=5"/7"

ORDERING EXAMPLE (Bolt Circle)

PLK3210D80 E23

5" Slip/Rigid EHV Bus Support with 5" & 7" Bolt Circles

PLK2200

SLIP FIT BUS SUPPORT

1" – 6" 345kV | 3" Weight ~5 lbs

Cu CPL2200

BOLT CIRCLES E1=3" E2=5" E3=7" E12=3"/5"

ORDERING EXAMPLE (Bolt Circle)

PLK2200D56 E3

2-1/2" Slip Fit Bus Support with 7" Bolt Circle

PLK3200

EHV SLIP FIT BUS SUPPORT

3" – 6" 500kV | 3" Weight ~6 lbs

Cu CPL3200 EHV

BOLT CIRCLES E12=3"/5" E23=5"/7"

ORDERING EXAMPLE (Bolt Circle)

PLK3200D48 E12

3" Slip Fit EHV Bus Support with 3" & 5" Bolt Circles

PLK2230

SLIP/RIGID FIT BUS SUPPORT

1" – 6" 230kV | 3" Weight ~7 lbs

Cu CPL2230

BOLT CIRCLES E1=3" E2=5" E3=7" E12=3"/5"

ORDERING EXAMPLE (Bolt Circle)

PLK2230D32 E12

2" Slip/Rigid Bus Support with 3" & 5" Bolt Circles

PLK3230

EHV SLIP/RIGID FIT BUS SUPPORT

3" – 6" 500kV | 3" Weight ~7 lbs

Cu CPL3230 EHV

BOLT CIRCLES E123=3"/5"/7" E23=5"/7"

ORDERING EXAMPLE (Bolt Circle)

PLK3230D96 E23

6" Slip/Rigid EHV Bus Support with 5" & 7" Bolt Circles

SUPERIOR DESIGN

PLK2230 / PLK3230 Bus Support Features

Slip Fit – Loose fit that allows the bus to slide and expand.

Rigid Fit – Tightly bolted connection that completely eliminates Bus movement.

Static Spring – Used during Slip Fit applications to prevent arcing & reduce Bus chatter.

Recessed Bolts – Allows for one handed, Hex Wrench installation.

PLK2600

BUS TO PAD EXPANSION

1" – 6" 230kV | Pads 2"–6" | 3" Weight ~17 lbs

Cu CPL2600 | ANGLES

PAD WIDTH | E0=2" | E1=4" | E2=3" | E3=5" | E4=6"

ORDERING EXAMPLE (Pad Width)

PLK2600D80 E3

5" Bus Expansion to 5", 4-Hole Pad

PLK3600

EHV BUS TO PAD EXPANSION

3" – 6" 500kV | Pads 3"–6" | 3" Weight ~31 lbs

Cu CPL3600 | ANGLES | EHV

PAD WIDTH | E1=4" | E2=3" | E3=5" | E4=6"

ORDERING EXAMPLE (Pad Width)

PLK3600D56 E2

3-1/2" EHV Bus Expansion to 3", 4-Hole Pad

PLK2810

BUS TO BUS EXPANSION

1" – 6" 230kV | 3" Weight ~18 lbs

Cu CPL2810

ORDERING EXAMPLE

PLK2810D16

1" Bus to Bus Expansion

PLK3810

EHV BUS TO BUS EXPANSION

3" – 6" 500kV | 3" Weight ~36 lbs

Cu CPL3810 | EHV

ORDERING EXAMPLE

PLK3810D80

5" EHV Bus to Bus Expansion

Bolt Shields, Mounting Hardware, custom designs and a wide range of Vertical Supports are also available

PLK2602

CONDENSED BUS TO PAD EXPANSION

1" – 6" 230kV | Pads 2"–5" | 3" Weight ~13 lbs

Cu CPL2602 | ANGLES

PAD WIDTH | E0=2" | E1=4" | E2=3" | E3=5" | E4=6"

ORDERING EXAMPLE (Pad Width)

PLK2602D32 E2

2" Condensed Bus Expansion to 3", 4-Hole Pad

PLK2700

EXPANSION SUPPORT

1" – 6" 230kV | 3" Weight ~23 lbs

Cu CPL2700

BOLT CIRCLES | E1=3" | E3=7" | E12=3"/5" | E23=5"/7"

ORDERING EXAMPLE (Pad Width)

PLK2700D64 E12

4" Bus to Bus Expansion Support with 3" & 5" Bolt Circles

PLK3700

EHV EXPANSION SUPPORT

1" – 6" 500kV | 3" Weight ~34 lbs

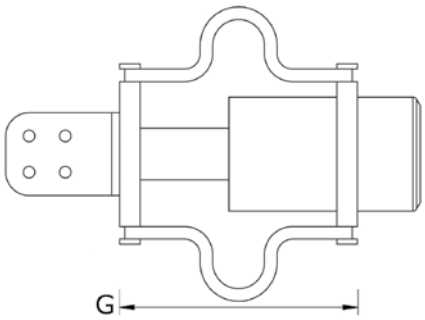
Cu CPL3700 | EHV

BOLT CIRCLES | E1=3" | E3=7" | E12=3"/5" | E23=5"/7"

ORDERING EXAMPLE (Pad Width)

PLK3700D80 E23

5" EHV Bus to Bus Expansion Support with 5" & 7" Bolt Circle



SETTING DIMENSIONS FOR EXPANSION JOINTS

DMC Power Bus Expansions are designed to expand/contract up to 4.42" through a 315°F temperature range.

The "G" Dimension Movement in the chart below shows the movement range and installation point at a particular temperature. These are based on the assumption that the total length between rigid supports is 90 feet or less.

For more Bus Expansion information, call **888-SWAGE-NOW.**

Bus Temp. [°F]	Movement from Median	"G" Dimension Movement				
		Bus Expansion Supports			Bus Expansion	Condensed Expansion
		PLK2700DxxE12 PLK3700DxxE12	PLK2700D80E1 PLK2700DxxE3 PLK3700D80E1 PLK3700DxxE3	PLK2700D80E23 PLK3700D80E23	PLK2600, PLK2601, PLK2610, PLK2701, PLK2810, PLK3600, PLK3601, PLK3610, PLK3701, PLK3810	PLK2602
-65	-2.211	16.901	18.341	20.341	13.711	4.461
-60	-2.141	16.831	18.271	20.271	13.641	4.391
-50	-2.001	16.691	18.131	20.131	13.501	4.251
-40	-1.86	16.550	17.990	19.990	13.360	4.110
-30	-1.72	16.410	17.850	19.850	13.220	3.970
-20	-1.58	16.270	17.710	19.710	13.080	3.830
-10	-1.439	16.129	17.569	19.569	12.939	3.689
0	-1.299	15.989	17.429	19.429	12.799	3.549
10	-1.158	15.848	17.288	19.288	12.658	3.408
20	-1.018	15.708	17.148	19.148	12.518	3.268
30	-0.878	15.568	17.008	19.008	12.378	3.128
40	-0.737	15.427	16.867	18.867	12.237	2.987
50	-0.597	15.287	16.727	18.727	12.097	2.847
60	-0.456	15.146	16.586	18.586	11.956	2.706
70	-0.316	15.006	16.446	18.446	11.816	2.566
80	-0.176	14.866	16.306	18.306	11.676	2.426
90	-0.035	14.725	16.165	18.165	11.535	2.285
100	0.105	14.585	16.025	18.025	11.395	2.145
110	0.246	14.444	15.884	17.884	11.254	2.004
120	0.386	14.304	15.744	17.744	11.114	1.864
130	0.527	14.164	15.604	17.604	10.974	1.724
140	0.667	14.023	15.463	17.463	10.833	1.583
150	0.807	13.883	15.323	17.323	10.693	1.443
160	0.948	13.742	15.182	17.182	10.552	1.302
170	1.088	13.602	15.042	17.042	10.412	1.162
180	1.229	13.462	14.902	16.902	10.272	1.022
190	1.369	13.321	14.761	16.761	10.131	0.881
200	1.509	13.181	14.621	16.621	9.991	0.741
210	1.65	13.040	14.480	16.480	9.850	0.600
220	1.79	12.900	14.340	16.340	9.710	0.460
230	1.931	12.760	14.200	16.200	9.570	0.320
240	2.071	12.619	14.059	16.059	9.429	0.179
250	2.211	12.479	13.919	15.919	9.289	0.039
92.5	**0**	**14.690**	**16.130**	**18.130**	**11.500**	**2.250**

Median

BUS CONNECTOR ORDERING NOMENCLATURE

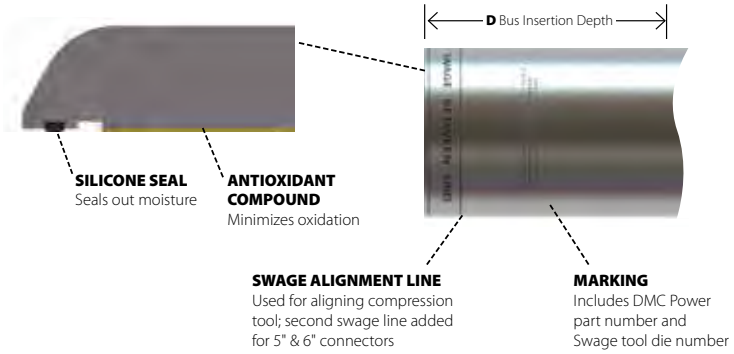
PLKXXX **D** **XX** – **XX**

1. **BASE CONNECTOR STYLE** (PLK=Standard; CPL=Copper)
2. **MATERIAL CODE** (D=Aluminum; B=Copper)
3. **BUS RUN SIZE** (Use chart below)
4. **OPTIONS** (Second Bus, Angle, Bolt Circle Pattern or NEMA Pad Sizes)

STANDARD EXAMPLE:

PLK1000	D	16
Bus Splice	Aluminum	1"

STANDARD BUS SIZES

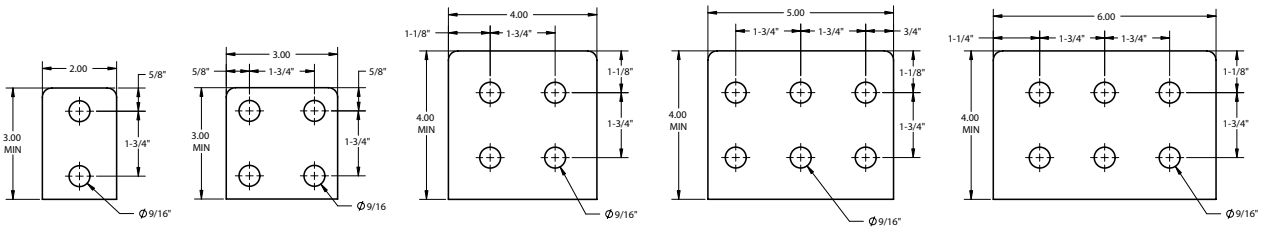


DMC Size	Bus Size	Fitting O.D.	D Min.	D Max
16	1"	2.00	1.50	2.00
24	1-1/2"	2.50	1.50	2.00
32	2"	3.00	2.00	2.50
40	2-1/2"	3.75	2.00	2.50
48	3"	4.37	3.00	3.50
56	3-1/2"	5.00	3.00	3.50
64	4"	5.50	3.00	3.50
80	5"	6.50	5.00	5.75
96	6"	8.00	6.00	6.75

Suffix	Circle Radius	Hole Size (8 holes/circle)	Plate Thickness
E1	3"	9/16" x 13/16"	1/2"
E2	5"	11/16" x 1-1/16"	1/2"
E3	7"	13/16" x 1-1/2"	1/2"
E12	3" 5"	9/16" x 13/16" 11/16" x 1-1/16"	3/4"
E23	5" 7"	11/16" x 1-1/16" 13/16" x 1-1/2"	3/4"
E123	3" 5" 7"	9/16" x 13/16" 11/16" x 1-1/16" 13/16" x 1-1/2"	3/4"

STANDARD BOLT CIRCLE DIMENSIONS

STANDARD NEMA PAD DIMENSIONS*



2" NEMA Pad **3" NEMA Pad** **4" NEMA Pad** **5" NEMA Pad** **6" NEMA Pad**

*Pad length, width and thickness varies with the part. Special sizes may be custom ordered.

CABLE CONNECTORS

- Aluminum or Copper material
- AAC, ACSR, ACAR, Ropelay, Copper & Metric Cables
- Pre-drilled inspection/weep hole
- Split, EHV and tin-plated versions available
- Custom angles, pads and barrel spacing
- Single Swage installation
- Instant inspection with Go/No-Go Gauge
- No bird caging or bent connectors

STATE OF THE ART SWAGE TECHNOLOGY

Substation customers around the world trust DMC Power's patented Swage system on their most critical Transmission and Distribution connections.

Once you experience the peace of mind that our superior connection provides and the all-weather, time saving capabilities of our cutting edge design, you'll never go back to your old way of installing electrical cable connections again.

Cable Swage System Advantages:

- **SAVE TIME**
  Lightweight tool uses just one 360° compression instead of multiple crimps.
- **COMPLETE 360° CONTACT**
  Swaging creates a virtually void free connection and maximizes conductivity by compressing the interior of the fitting around the exterior of the cable.
- **FINISHED PADS**
  Both sides of the extruded aluminum pad can be used equally as a connection surface.
- **TIN PLATING**
  Available on all connectors for use with dissimilar metals and to deter copper theft.
- **SIMPLE ONE-STEP INSPECTION**
  Easily inspect your Swage in seconds with the handheld "Go/No-Go" Inspection Gauge.
- **CUSTOM SOLUTIONS AVAILABLE**
  A wide range of cable configurations and connector types (including Ropelay Cable, metric sizes, copper and EHV rated parts) are available for any type of job.

  For those times you need a quick or custom solution, DMC Power is here to help. Our in-house engineering, R&D, manufacturing and testing teams will develop and deliver exactly what you need faster than anyone else.

Our connectors are available in a variety of configurations and sizes to handle any cable job

The lightweight Swage Tool connects cables in even the most hard to reach places

DMC Power's cable connectors are qualified to meet or exceed nationally recognized standards and tests

Cable Connector Qualifications

ANSI C119.4	**Tensile:** 30%-53% (Min/Max) of conductor strength; 5% required for Class 3 connectors **Current Cycle:** 500 cycles (class A); met all thermal & resistance requirements **Pre-existing Cable:** After tapping into run, Swaged cable retained 90% of rated strength
ASTM B117	**Salt Fog:** 1,000 hours passed
NEMA CC1	**RIV/Corona:** Up to 500 kV with factor of safety on applicable fittings **Temp Rise & Resistance:** Runs cooler than cable at 100%, 125% & 150% of ratings requirements
Customer Requirements	**Short Circuit Tests:** Pass 3 second short-time & 15 cycle peak withstand tests

CPLK9100
1-HOLE CENTER FORMED PAD TERMINAL

Up to 230kV | Pads 2" | 2" OD Weight ~3 lbs

Cu CCL9100 | ANGLES

ORDERING EXAMPLE

CPLK9100D00040

4/0 Oxlip AAC Barrel to 1", 1-Hole Center Formed Pad; Aluminum

CPLK9200
2-HOLE CENTER FORMED PAD TERMINAL

Up to 230kV | Pads 2" | 2" OD Weight ~3 lbs

Cu CCL9200 | ANGLES

ORDERING EXAMPLE

CPLK9200D07000

700 Flag AAC Barrel to 2", 2-Hole Center Formed Pad; Aluminum

CPLK9202
2-HOLE OFFSET PAD TERMINAL

Up to 230kV | Pads 2" | 2" OD Weight ~3 lbs

Cu CCL9202 | ANGLES

ORDERING EXAMPLE

CPLK9202D15105

1351.5 Martin ACSR Barrel to 2", 2-Hole Offset Pad; Aluminum

CPLK9209
2-HOLE 90° PAD TERMINAL

Up to 230kV | Pads 2" | 2" OD Weight ~3 lbs

Cu CCL9209 | ANGLES

ORDERING EXAMPLE

CPLK9209D03975

336.4 Linnet ACSR Barrel to 2", 2-Hole 90° Pad; Aluminum

CPLK9662
DUAL BARRELS TO 6-HOLE OFFSET PAD TERMINAL

Up to 345kV | Pads 5"/6" | 2" OD Weight ~7 lbs

Cu CCL9662 | 5" CPLK9652 | ANGLES

ORDERING EXAMPLE

CPLK9662D20000

Dual 2000 Cowslip AAC Barrels to 6", 6-Hole Offset Pad; Aluminum

CPLK9664
DUAL BARRELS TO 6-HOLE 45° PAD TERMINAL

Up to 345kV | Pads 5"/6" | 2" OD Weight ~7 lbs

Cu CCL9664 | 5" CPLK9654 | ANGLES

ORDERING EXAMPLE

CPLK9664D22500

Dual 2156 Bluebird ACSR Barrels to 6", 6-Hole 45° Pad; Aluminum

CPLK9663
DUAL BARRELS TO 6-HOLE 30° PAD TERMINAL

Up to 345kV | Pads 5"/6" | 2" OD Weight ~7 lbs

Cu CCL9663 | 5" CPLK9653 | ANGLES

ORDERING EXAMPLE

CPLK9663D17500

Dual 1750 Jessamine AAC Barrels to 6", 6-Hole 30° Pad; Aluminum

CPLK9672
TRIPLE BARRELS TO 6-HOLE OFFSET PAD TERMINAL

Up to 345kV | Pads 5"/6" | 2" OD Weight ~10 lbs

Cu CCL9672 | ANGLES

ORDERING EXAMPLE

CPLK9672D15900

Three 1590 Coreopsis AAC Barrels to 6", 6-Hole Offset Pad; Aluminum

CUSTOM PAD WIDTHS

Many of our connectors have alternative part numbers for different standard pad widths. Look for this icon 3" CPLK#### underneath the item to see the alternative pad size and standard part number. Of course ANY custom pad configuration can be designed, so if you don't see it just ask!

CPLK9440
4-HOLE CENTER FORMED PAD TERMINAL

Up to 230kV | Pads 3"/4" | 2" OD Weight ~5 lbs

Cu CCL9440 | 3" CPLK9430 | ANGLES | CEHV9440

ORDERING EXAMPLE

CPLK9440D00020

2/0 Aster ACC Barrel to 4", 4-Hole Center Formed Pad; Aluminum

CPLK9442
4-HOLE OFFSET PAD TERMINAL

Up to 345kV | Pads 3"/4" | 2" OD Weight ~5 lbs

Cu CCL9442 | 3" CPLK9432 | ANGLES | CEHV9442

ORDERING EXAMPLE

CPLK9442D13515

1272 Bittern ACSR Barrel to 4", 4-Hole Offset Pad; Aluminum

CPLK9444
4-HOLE 45° PAD TERMINAL

Up to 345kV | Pads 3"/4" | 2" OD Weight ~5 lbs

Cu CCL9444 | 3" CPLK9434 | ANGLES | CEHV9444

ORDERING EXAMPLE

CPLK9444D07500

750 Cattail AAC Barrel to 4", 4-Hole 45° Pad; Aluminum

CPLK9449
4-HOLE 90° PAD TERMINAL

Up to 230kV | Pads 3"/4" | 2" OD Weight ~5 lbs

Cu CCL9449 | 3" CPLK9439 | ANGLES | CEHV9449

ORDERING EXAMPLE

CPLK9449D22500

2167 Kiwi ACSR Barrel to 4", 4-Hole 90° Pad; Aluminum

ALSO AVAILABLE:

Copper, EHV, custom pads, angles and other configurations available. Visit the product page on DMCPower.com for details.

CPLK9445
4-HOLE 15° PAD TERMINAL

CPLK9987
LONG BARREL TO 4-HOLE 45° PAD TERMINAL

CPLK9945
DUAL BARRELS TO 4-HOLE 15° OFFSET PAD TERMINAL

CPLK9984
EXTENDED 4-HOLE 90° PAD TERMINAL

SUPERIOR DESIGN

DMC Connector (center)

ITS ALL ABOUT THE PADS

DMC Power manufactures our pads from extruded aluminum to meet and exceed NEMA Pad standards. What makes ours different?

- ***Machined for perfect flatness***
- ***Smooth surface finish = greater amount of contact points***
- ***Thicker, oversized factor of safety***
- ***Runs cooler***
- ***Increased ampacity***
- ***Greater resistance to fatigue***
- ***Custom sizes, hole placement, barrel angles and mounting positions***
- ***NEMA Pad EHV Bolt Shields (PLK8000) also available***

CPLK9642
DUAL BARRELS TO 4-HOLE OFFSET PAD TERMINAL

Up to 345kV | Pads 3"/4" | 2" OD Weight ~6 lbs

Cu CCL9642 | 3" CPLK9632 | ANGLES | CEHV9642

ORDERING EXAMPLE

CPLK9642D12720

Dual 1192.5 Bunting ACSR Barrels to 4", 4-Hole Offset Pad; Aluminum

CPLK9644
DUAL BARRELS TO 4-HOLE 45° PAD TERMINAL

Up to 345kV | Pads 3"/4" | 2" OD Weight ~6 lbs

Cu CCL9644 | 3" CPLK9634 | ANGLES | CEHV9644

ORDERING EXAMPLE

CPLK9644D11130

Dual 1113 Marigold AAC Barrels to 4", 4-Hole 45° Pad; Aluminum

CPLK9649
DUAL BARRELS TO 4-HOLE 90° PAD TERMINAL

Up to 230kV | Pads 3"/4" | 2" OD Weight ~6 lbs

Cu CCL9649 | 3" CPLK9639 | ANGLES | CEHV9649

ORDERING EXAMPLE

CPLK9649D22500

Dual 2156 Bluebird ACSR Barrels to 4", 4-Hole 90° Pad; Aluminum

CPLK9982
TRIPLE BARRELS TO 4-HOLE OFFSET PAD TERMINAL

Up to 345kV | Pads 4"/6" | 2" OD Weight ~9 lbs

Cu CCL9982 | 6" CPLK9672 | ANGLES

ORDERING EXAMPLE

CPLK9982D13515

Three 1351.5 Columbine AAC Barrels to 4", 4-Hole Offset Pad; Aluminum

CL702
PARALLEL CABLE SPACER

Up to 500kV | 2" OD Weight ~3 lbs

Cu CCL702 | SPLIT | EHV

ORDERING EXAMPLE

CL702D09540-8
- 09540 = Cable Run Size
- 8 = Spacing Inches

Dual 954 Magnolia AAC Cables Spaced 8"; Aluminum

CL714
PARALLEL CABLE SPACER TO TRANSVERSE 4-HOLE PAD

Up to 500kV | Pads 3"/4" | 2" OD Weight ~5 lbs

Cu CCL714 | 3" CL713 | SPLIT | EHV

ORDERING EXAMPLE

CL714D22500-18
- 22500 = Cable Run Size
- 18 = Spacing Inches

Dual 2167 Kiwi ACSR Cables Spaced 18" with 4", 4-Hole Transverse Pad; Aluminum

ALSO AVAILABLE:

CL715
CABLE SPACER TO LONGITUDINAL PAD

CL773
TRIFURCATING CABLE SPACER

COPPER CABLE CONNECTORS

All DMC Power cable connectors can be manufactured out of pure copper, with the exact same specifications and standards that meet or exceed our Aluminum ratings. This is the perfect solution when using copper conductors in coastal/high corrosive areas or to achieve higher ampacity. Look for this icon Cu CCL#### underneath the main item for the copper cable base part number and use the chart at the bottom of page 30 to find the connector identifier number used to complete the fitting.

CL720
CABLE SPLICE

Up to 500kV | 2" OD Weight ~1 lb

Cu CCL720 | EHV

ORDERING EXAMPLE

CL720D03975

397.5 Canna AAC Cable Splice; Aluminum

CL731
SPLIT RUN TAP

Up to 500kV | 2" OD Weight ~2 lbs

Cu CCL731 | SPLIT | ANGLES | EHV

ORDERING EXAMPLE

CL731D07950-00040

- Cable Run Size
- Cable Tap Size

795 Lilac AAC Cable Run to 4/0 Oxlip AAC Cable Tap; Aluminum

CPLK9584
SPLIT RUN TO 4-HOLE TRANSVERSE PAD TEE

Up to 500kV | Pads 3"/4" | 2" OD Weight ~5 lbs

Cu CCL9584 | 3" CPLK9583 | SPLIT | EHV

ORDERING EXAMPLE

CPLK9584D02668

266.8 Waxwing ACSR Split Run to 4", 4-Hole Transverse Pad Tee; Aluminum

CPLK9514
SPLIT RUN TO 4-HOLE LONGITUDINAL PAD TEE

Up to 500kV | Pads 3"/4" | 2" OD Weight ~5 lbs

Cu CCL9514 | 3" CPLK9513 | SPLIT | EHV

ORDERING EXAMPLE

CPLK9514D00040

3/0 Pigeon ACSR Split Run to 4", 4-Hole Longitudinal Pad Tee; Aluminum

CL994
U-SHAPED GROUND STIRRUP

2" OD Weight ~10 lbs

Cu COPPER | SPLIT | TIN PLATING

ORDERING EXAMPLE

CL994B07500-04500

- Copper Cable Run*
- Copper Rod Size (04500=3/4")

750 MCM Bare Copper Split Run with 3/4" U-Shaped Ground Rod

CL995
V-SHAPED GROUND STIRRUP

2" OD Weight ~11 lbs

Cu COPPER | SPLIT | TIN PLATING

ORDERING EXAMPLE

CL995B15000-04500

- Copper Cable Run*
- Copper Rod Size (04500=3/4")

1500 MCM Bare Copper Split Run with 3/4" V-Shaped Ground Rod

CL761
SPLIT RUN GROUND STIRRUP

2" OD Weight ~3 lbs

Cu CCL761 | SPLIT

ORDERING EXAMPLE

CL761D22500

2250 Sagebrush AAC Split Run with Ground Stirrup; Aluminum

CL993
FLEX CABLE GROUND LOOP

2" OD Weight ~8 lbs

Cu COPPER | SPLIT | TIN PLATING

ORDERING EXAMPLE

CL993B00040-02500

- Copper Cable Run*
- Ground Loop Cable Size*

4/0 AWG Bare Copper Split Run with 250 MCM Bare Copper Flex Loop

** See chart on page 30 for Copper Cable Connector Identifier Numbers*

ROPELAY CABLE AND METRIC SIZES AVAILABLE

Ropelay Cable

Because DMC Power manufactures everything from scratch based on your requirements, it's impossible for us to list the tens of thousands of different connectors and configurations possible in this catalog. If you're looking for Metric sizes, Ropelay Cable or any other custom configuration, just call us at **888-SWAGE-NOW** and let our in-house Engineering department do the work for you!

CL451
SPLIT RUN SINGLE CABLE SUPPORT

Up to 345kV | 2" OD Weight ~5 lbs

Cu CCL451 | SPLIT | BOLT CIRCLES E1=3" E2=5" E3=7"

ORDERING EXAMPLE

CL451D09000 E3 — Bolt Circle

795 Drake ACSR Split Run Cable Support with 7" Bolt Circle; Aluminum

CL452
SPLIT RUN DUAL CABLE SUPPORT

Up to 500kV | 2" OD Weight ~7 lbs

Cu CCL452 | SPLIT | EHV | BOLT CIRCLES E1=3" E2=5" E3=7" E12=3"/5"

ORDERING EXAMPLE

CL452D12720 E1 — Bolt Circle

1272 Narcissus AAC Split Run Dual Cable Support with 3" Bolt Circle; Aluminum

CL430
BUS TO CABLE TAP

Up to 500kV | 2" OD Weight ~3 lbs

Cu CCL430 | CL431 | ANGLES | CAPPED | EHV

ORDERING EXAMPLE

CL430D48-07950 — Bus Run Size / Cable Tap Size

3" Bus Run to 795 Lilac AAC Tap; Aluminum

CL432
BUS TO DUAL CABLE TAPS

Up to 500kV | 2" OD Weight ~4 lbs

Cu CCL432 | CL433 | ANGLES | CAPPED | EHV

ORDERING EXAMPLE

CL432D40-18000 — Bus Run Size / Cable Tap Size

2-1/2" Bus Run to Dual 1590 Falcon ACSR Taps; Aluminum

CL400
BUS TO CABLE COUPLER

Up to 500kV | 2" OD Weight ~2 lbs

Cu CCL400 | ANGLES | EHV

ORDERING EXAMPLE

CL400D32-11130 — Bus Run Size / Cable Tap Size

2" Bus Coupler to 1113 Marigold AAC Tap; Aluminum

CL404
BUS TO 45° CABLE COUPLER

Up to 500kV | 2" OD Weight ~2 lbs

Cu CCL404 | ANGLES | EHV

ORDERING EXAMPLE

CL404D80-09000 — Bus Run Size / Cable Tap Size

5" Bus Coupler to 795 Drake ACSR 45° Tap; Aluminum

CL420
BUS TO DUAL IN-LINE CABLE TAPS

Up to 500kV | 2" OD Weight ~3 lbs

Cu CCL420 | ANGLES | EHV

ORDERING EXAMPLE

CL420D80-25000 — Bus Run Size / Cable Tap Size

5" Bus Coupler to Dual 2500 Lupine AAC In-Line Taps; Aluminum

CL489
BUS TO TRIPLE SIDE FORMED CABLE TAPS

Up to 500kV | 2" OD Weight ~4 lbs

Cu CCL489 | ANGLES | EHV

ORDERING EXAMPLE

CL489D96-25000 — Bus Run Size / Cable Tap Size

6" Bus to Three 2312 Thrasher ACSR Side Formed Taps; Aluminum

REDUCE BUS-TO-CABLE HOT SPOTS & MAINTENANCE

Why bolt pads together when you can have an all-in-one connection? Bolted connections require additional re-tightening, inspection and may lead to hot spots at the pad. Our CL style of Bus-to-Cable connectors are designed, machined and welded together to be a seamless connection between the two distinct styles. Any option you can think of is possible - go to **DMCPower.com** for a more complete listing.

CEHV9440
EHV 4-HOLE CENTER FORMED PAD TERMINAL

Up to 345kV | 2" OD Weight ~2 lbs | EHV

ORDERING EXAMPLE

CEHV9440D12720
1272 Narcissus AAC Barrel to 4", 4-Hole Center Formed Pad; EHV

CEHV9442
EHV 4-HOLE OFFSET PAD TERMINAL

Up to 500kV | 2" OD Weight ~6 lbs | EHV

ORDERING EXAMPLE

CEHV9442D22500
2156 Bluebird ACSR Barrel to 4", 4-Hole Offset Pad; EHV

CEHV9444
EHV 4-HOLE 45° PAD TERMINAL

Up to 500kV | 2" OD Weight ~6 lbs | EHV

ORDERING EXAMPLE

CEHV9444D10000
1000 Hawkweed AAC Barrel to 4", 4-Hole 45° Pad; EHV

CEHV9642
EHV DUAL BARRELS TO 4-HOLE CENTER FORMED PAD TERMINAL

Up to 500kV | 2" OD Weight ~10 lbs | EHV

ORDERING EXAMPLE

CEHV9642D22500
Dual 2250 Sagebrush AAC Barrels to 4", 4-Hole Center Formed Pad; EHV

CEHV9644
EHV DUAL BARRELS TO 4-HOLE 45° PAD TERMINAL

Up to 500kV | 2" OD Weight ~11 lbs | EHV

ORDERING EXAMPLE

CEHV9644D22500
Dual 2156 Bluebird ACSR Barrels to 4", 4-Hole 45° Pad; EHV

CEHV9649
EHV DUAL BARRELS TO 4-HOLE 90° PAD TERMINAL

Up to 500kV | 2" OD Weight ~12 lbs | EHV

ORDERING EXAMPLE

CEHV9649D09540
Dual 900 Ruddy ACSR Barrels to 4", 4-Hole 90° Pad; EHV

- *Bolt shields and corona rings are available*
- *Check with factory on cable sizes, spacing and for special EHV applications*

APPLICATION NOTES

EXTRA HIGH VOLTAGE RATINGS

Many of our Cable and Bus connectors have EHV equivalents rated up to 500kV and 765kV.

- ***Tested Corona free***
- ***Reduced power loss and radio noise***
- ***Pre-drilled weep holes and high quality surface finish***
- ***Designed-in shielding rings with generous mass & radii for high ampacity and voltage***

Look for this symbol EHV below the parts to know they are rated for certain EHV applications or let us design a custom EHV connector for your specific needs.

CCL9202
COPPER 2-HOLE OFFSET PAD TERMINAL

Up to 230kV | Pads 2" | 2" OD Weight ~5 lbs

Cu COPPER | ANGLES | TIN PLATING

ORDERING EXAMPLE

CCL9202B05000

500 MCM Bare Copper Barrel to 2", 2-Hole Offset Pad

CCL9514
COPPER SPLIT RUN TO 4-HOLE LONGITUDINAL PAD TEE

Up to 500kV | Pads 3"/4" | 2" OD Weight ~6 lbs

Cu COPPER | 3" CCL9513 | SPLIT | ANGLES | TIN PLATING

ORDERING EXAMPLE

CCL9514B00040

4/0 AWG Bare Copper Split Run to 4", 4-Hole Longitudinal Pad Tee

CCL9442
COPPER 4-HOLE OFFSET PAD TERMINAL

Up to 345kV | Pads 3"/4" | 2" OD Weight ~6 lbs

Cu COPPER | 3" CCL9432 | ANGLES | TIN PLATING

ORDERING EXAMPLE

CCL9442B20000

2000 MCM Bare Copper Barrel to 4", 4-Hole Offset Pad

CCL9642
COPPER DUAL BARRELS TO 4-HOLE OFFSET PAD TERMINAL

Up to 345kV | Pads 3"/4" | 2" OD Weight ~8 lbs

Cu COPPER | 3" CCL9632 | ANGLES | TIN PLATING

ORDERING EXAMPLE

CCL9642B10000

Dual 1000 MCM Bare Copper Barrels to 4", 4-Hole Offset Pad

CCL731
COPPER SPLIT RUN TAP

Up to 500kV | 2" OD Weight ~4 lbs

Cu COPPER | SPLIT | ANGLES | TIN PLATING

ORDERING EXAMPLE

CCL731B07500-00040

Split Run Size
Tap Size

750 MCM Bare Copper Split Run to 4/0 AWG Bare Copper Tap

CCL1163
COPPER GROUND STUD TO 2-HOLE PAD

Up to 230kV | Pads 2"/3" | 2" OD Weight ~4 lbs

Cu COPPER | 3" CCL1164 | ANGLES | TIN PLATING

PAD LENGTH | E1=5" | E2=5.5" | E3=6" | E4=6.5"

ORDERING EXAMPLE

CCL1163B90E3

Pad Angle
Pad Length

3/4" Ground Stud to 2" Wide, 6" Long, 2-Hole 90° Pad

*• Add "**T**" to the end of any part number for Tin Plating*

PROTECT YOUR INVESTMENT WITH TIN PLATING

CUSTOM SOLUTIONS

No matter if you're ordering a 6" aluminum bus expansion or a #6 gauge copper ground splice, DMC Power can plate it all - and fast. Our tin plating process:

- ***Dramatically reduces the effects of oxidization, especially in extreme weather environments***
- ***Keeps conductivity high so more power is pushed through the smooth, clean surface***
- ***Improves connector longevity***
- ***Allows for the joining of two dissimilar metals***
- ***Helps deter theft by eliminating visible copper***

Our most popular tin plated items have this icon TIN PLATING next to them, but anything is possible. Insert a "**T**" at the end of the complete part number when ordering (ex: CPLK9442D04500**T**) and leave the rest up to us.

BUILDING THE PERFECT CONNECTOR

Our connectors are designed to fit the exact diameter of the cable being used. This precision ensures that the level of compression and contact between the cable, the connector and the inner strands of cable are at the highest possible value.

Selecting the properly sized connector and corresponding Swage Tooling couldn't be easier. Simply follow steps 1 & 2 in the chart below to find the 5-digit Connector Identifier Number used in our standard connector ordering nomenclature on page 30. Based on that number, step 3 will list which head assembly size is required to install that particular connector O.D.

Call our customer service team at **888-SWAGE-NOW** if you have questions about selecting your connector or for other cable types and sizes not listed.

1 Find the AAC/ACSR conductor being used

2 Use the corresponding Connector Identifier Number to fill out the part number, see page 30

3 Note the Head Assembly size based on the Connector Identifier Number

AAC CONDUCTOR			ACSR CONDUCTOR			Connector Identifier Number	CONNECTOR	
SIZE (kcmil)	STR (Al/St)	CODE WORD	SIZE (kcmil)	STR (# Wires)	CODE WORD		HEAD ASSEMBLY*	O.D.
#6	7/w	Peachbell	#6	6/1	Turkey	00006	DLT45CLHA00004	0.500
#4	7/w	Rose	#5	6/1	Thrush	00004		
#2	7/w	Iris	#4	6/1	Swan	00002	DLT45CLHA00010	0.750
				7/1	Swanate			
#1	7/w	Pansey	#2	6/1	Sparrow	00001		
				7/1	Sparate			
1/0	7/w	Poppy	#1	6/1	Robin	00010		
2/0	7/w	Aster	1/0	6/1	Raven	00020	DLT45CLHA02500	1.000
3/0	7/w	Phlox	2/0	6/1	Quail	00030		
4/0	7/w	Oxlip	3/0	6/1	Pigeon	00040		
250.0	7/w	Sneezewort	4/0	6/1	Penguin	02500		
	7/w	Valerian						
266.8	7/w	Daisy	266.8	18/1	Waxwing	02668	DLT45CLHA03975	1.250
	19/w	Laurel						
300.0	19/w	Peony		26/7	Partridge	03000		
336.4	19/w	Tulip	300.0	26/7	Ostrich	03500		
350.0	19/w	Daffodil	336.4	18/1	Merlin			
397.5	19/w	Canna		26/7	Linnet	03975		
				30/7	Oriole			
			397.5	18/1	Chickadee			
450.0	19/w	Goldentuft	397.5	24/7	Brant	04500	DLT45CLHA05565	1.500
				26/7	Ibis			
477.0	19/w	Cosmos		30/7	Lark	04770		
	37/w	Syringa						
500.0	19/w	Zinnia	477.0	18/1	Pelican	05000		
	37/w	Hyacinth						
556.5	19/w	Dahlia		24/7	Flicker	05565		
	37/w	Mistletoe		26/7	Hawk			

AAC CONDUCTOR			ACSR CONDUCTOR			Connector Identifier Number	CONNECTOR	
SIZE (kcmil)	STR (Al/St)	CODE WORD	SIZE (kcmil)	STR (# Wires)	CODE WORD		HEAD ASSEMBLY*	O.D.
600.0	37/w	Meadowsweet	477.0	30/7	Hen	06000	DLT45CLHA07155	1.750
			556.5	18/1	Osprey			
636.0	37/w	Orchid		24/7	Parakeet	06360		
				26/7	Dove			
700.0	37/w	Verbena		30/7	Eagle	07000		
	61/w	Flag	636.0	18/1	Kingbird			
				36/1	Swift			
715.5	37/w	Violet	605.0	24/7	Peacock	07155		
	61/w	Nasturtium		26/7	Squab			
750.0	37/w	Petunia	605.0	30/7	WoodDuck	07500	DLT45CLHA08745	1.875
	61/w	Cattail		30/19	Teal			
795.0	37/w	Arbutus	636.0	24/7	Rook	07950		
				26/7	Grosbeak			
				30/7	Scoter			
				30/19	Egret			
	61/w	Lilac	666.6	24/7	Flamingo			
				26/7	Gannet			
			715.5	24/7	Stilt			
				54/7	Crow			
			795.0	36/1	Coot			
874.5	37/w	Anemone		45/7	Tern	08745		
	61/w	Crocus	715.5	26/7	Starling			
				30/19	Redwing			
900.0	37/w	Cockscomb	795.0	24/7	Cuckoo	09000	DLT45CLHA11130	2.000
	61/w	Snapdragon		54/7	Condor			
				26/7	Drake			
954.0	37/w	Magnolia		30/19	Mallard	09540		
	61/w	Goldenrod	900.0	45/7	Ruddy			
1000.0	37/w	Hawkweed		54/7	Canary	10000		
	61/w	Camellia	874.5	54/7	Crane			
			954.0	45/7	Rail			
1033.5	37/w	Bluebell		54/7	Cardinal	10335		
	61/w	Larkspur						
1113.0	61/w	Marigold	1033.5	45/7	Ortolan	11130		
				54/7	Curlew			
1192.5	61/w	Hawthorn	1113.0	45/7	Bluejay	11925	DLT45CLHA15900	2.250
1272.0	61/w	Narcissus		54/19	Finch	12720		
			1192.5	45/7	Bunting			
1351.5	61/w	Columbine		54/19	Grackle	13515		
			1272.0	45/7	Bittern			
1431.0	61/w	Carnation		54/19	Pheasant	14310		
			1351.5	45/7	Dipper			
1510.5	61/w	Gladiolus		54/19	Martin	15105		
			1431.0	45/7	Bobolink			
1590.0	61/w	Coreopsis		54/19	Plover	15900		
			1510.5	45/7	Nuthatch			
1750.0	61/w	Jessamine		54/19	Parrot	17500		
			1590.0	45/7	Lapwing			
				54/19	Falcon	18000		
2000.0	91/w	Cowslip	1780.0	84/19	Chukar	20000	DLT58CLHA25000*	2.750
2250.0	91/w	Sagebrush	2156.0	84/19	Bluebird	22500		
			2167.0	72/7	Kiwi			
2303.5	91/w					23000		
2500.0	91/w	Lupine	2312.0	76/19	Thrasher	25000		
3000.0	127/w	Trillium				30000	DLT58CLHA40000*	3.250
3500.0	127/w	Bluebonnet				35000		
4326.9	127/w	Nightshade				43269		

*DLT58- Heads Assemblies use the **DLT58MAPW0000** Power Unit; DLT45- Head Assemblies use the **DLT45MAPW0000** Power Unit

CABLE CONNECTOR ORDERING NOMENCLATURE

CPLKXXXX D XXXXX – XXXXX X

1. **BASE CONNECTOR STYLE**
(CPLK=Standard; CL=Special; CBLR=Ropelay; CCL=Copper; CM=Cable Metric)

2. **MATERIAL CODE** (D=Aluminum; B=Copper)

3. **CONNECTOR IDENTIFIER NUMBER**
(Cable = 5 digits, see page 28 & 29; Bus = 2 digits, see right)

4. **SECOND CONNECTOR IDENTIFIER NUMBER**
(Optional - for Tap Sizes, Bolt Circles & Cable Spacing)

5. **FINISH**
(S=Bare Aluminum/Copper; T=Tin Plated)

BUS SIZES		
DMC SIZE	PIPE SIZE	FITTING O.D.
12	3/4"	2.000
16	1"	2.000
20	1-1/4"	2.500
24	1-1/2"	2.500
32	2"	3.000
40	2-1/2"	3.750
48	3"	4.375
56	3-1/2"	5.000
64	4"	5.500
80	5"	6.500
96	6"	8.000

STANDARD EXAMPLE:

CPLK9209 D 00006 S

- CPLK9209: 2-Hole 90° Terminal
- D: Aluminum
- 00006: #6 Peachbell AAC Cable
- S: Bare Aluminum

BUS TO CABLE EXAMPLE:

CL400 D 64 – 11130 T

- CL400: Bus to Cable Coupler
- D: Aluminum
- 64: 4" Bus Run
- 11130: 1033.5 Curlew ACSR Cable
- T: Tin Plated

COPPER CABLE EXAMPLE:

CCL9442 B 04500 T

- CCL9442: Copper 4-Hole Offset Terminal
- B: Copper
- 04500: 450/AWG Copper Cable
- T: Tin Plated

COPPER CABLE SIZE SELECTION CHART

- The Connector Identifier Numbers listed below should only be used with copper cable conductors
- Every aluminum connector can be designed into a copper equivalent, contact DMC Power for details

BARE COPPER CONDUCTOR CONCENTRIC LAY STRANDED		Connector Identifier Number
SIZE (AWG / kcmil)	STR	
1/0	19	**00010**
2/0	19	**00020**
3/0	19 & 37	**00030**
4/0	19	**00040**
250	19 & 37	**02500**
300	37	**03000**
350	37	**03500**
400	37	**04000**
450	19	**04500**
500	37 & 61	**05000**

BARE COPPER CONDUCTOR CONCENTRIC LAY STRANDED		Connector Identifier Number
SIZE (AWG / kcmil)	STR	
600	61	**06000**
650	37	**06500**
700	61	**07000**
750	61 & 91	**07500**
800	61	**08000**
900	37	**09000**
1000	61 & 91	**10000**
1250	91 & 127	**12500**
1500	91 & 127	**15000**
1750	61 & 127	**17500**
2000	127 & 169	**20000**

IF YOU NEED IT, WE CAN BUILD IT.

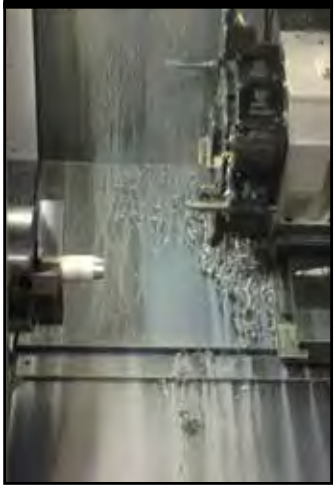
- Custom designed fittings for any size job
- Quick turn-around time
- Low minimum order quantity
- Worldwide shipping

Our in-house engineering, test lab and manufacturing facilities allow DMC Power to move fast and deliver quick turn jobs before most companies will even give you a response. Our flexibility and ability to make any part, of any size and any dimension is an advantage you simply won't find anywhere else.

TESTING

WELDING

MACHINING



WAREHOUSING

THESE ARE JUST A FEW OF THE CUSTOM CONNECTORS WE'VE BUILT FOR OUR CUSTOMERS:

Adjustable Terminal Elbow

Triple Cable to 4-Hole Pad

Flat Cable Coupler

Ground Jumper Assembly

Split Cable Run to Bus Tap

Dual Size Barrel Tap

Internal Vibration Dampener

Split Tee Run to 22.5° Tap

Dual Pad Terminal

Bus Support Tee

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

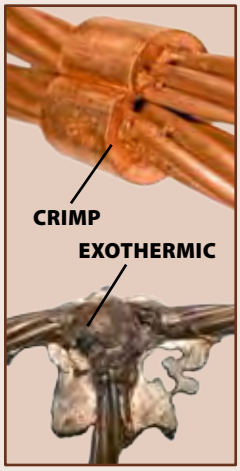
500 MCM Dual Cable Barrel to 2", 1-Hole Offset Pad; Tin-Plated

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

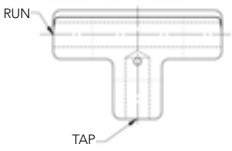
1¼" OD Weight ~1½ lbs

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

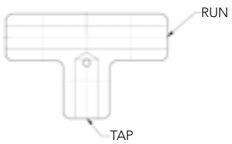
1¼" OD Weight ~1½ lbs

Cu COPPER | TIN PLATING

ORDERING EXAMPLE

GC731B002-025

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



GC741
THRU HOLE CROSS

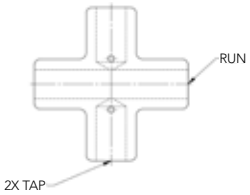
1¼" OD Weight ~2 lbs

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

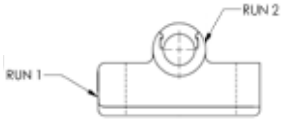
1¼" OD Weight ~2 lbs

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

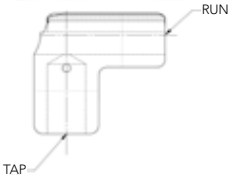
SIMPLIFY YOUR GROUND GRID USING 3 CONNECTORS

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

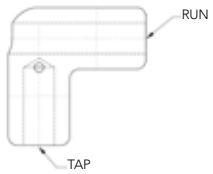
GC739B004-050

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

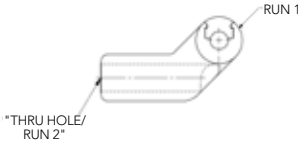
GC759B003-025

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

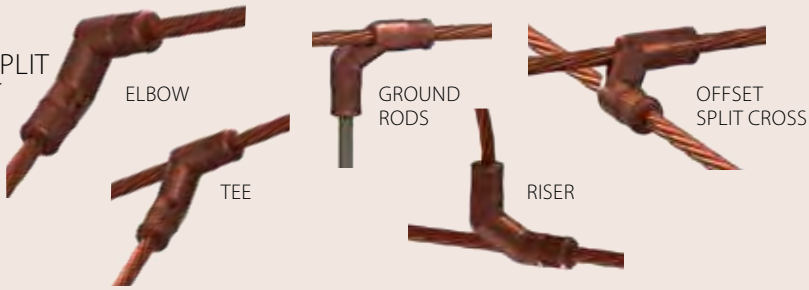
GC749B002-050

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

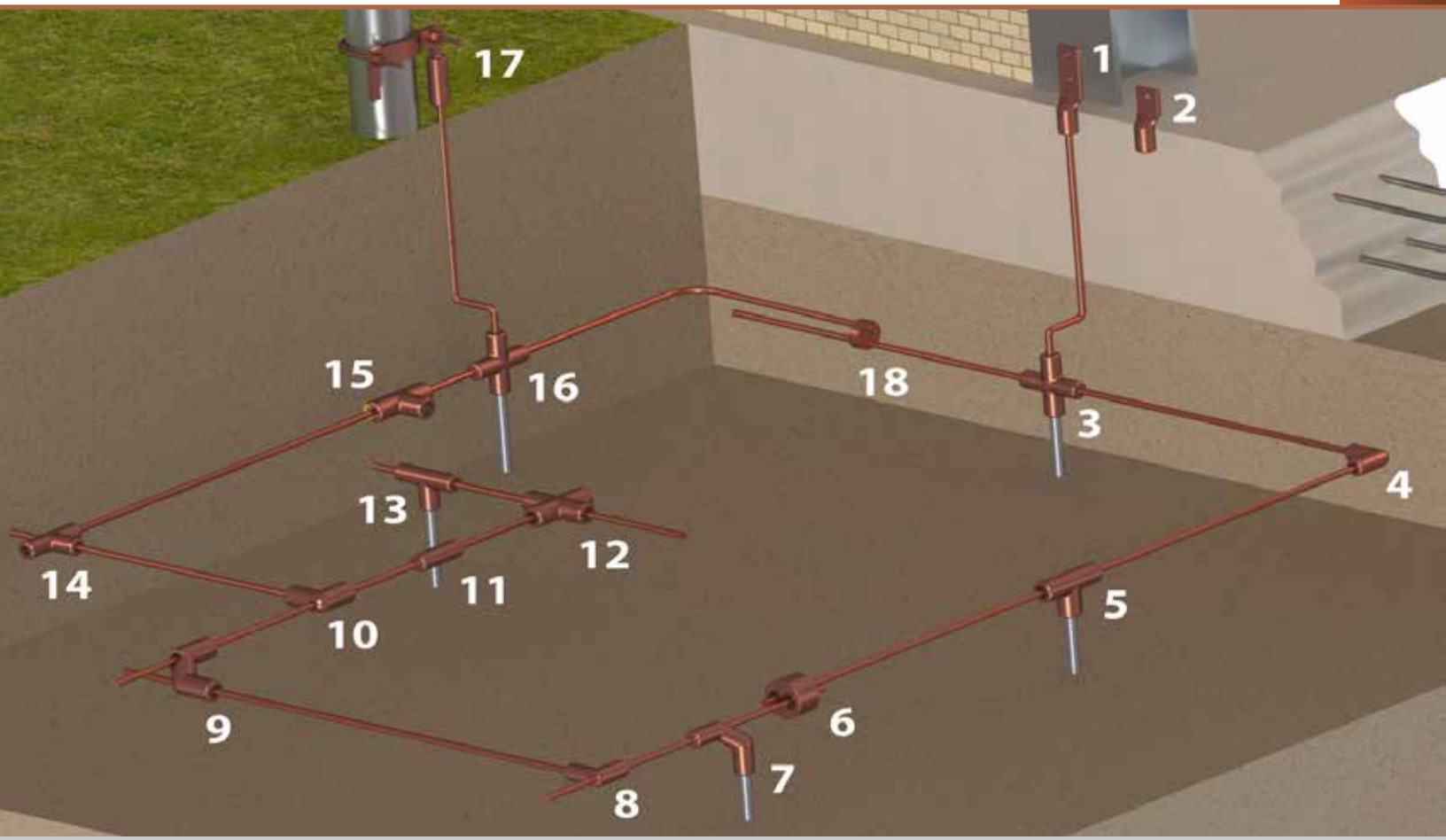
Cu COPPER | TIN PLATING

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) *Solid Wire*	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 & 7/#10	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 *3/0 Solid Wire*	7/#8 & 7/#9	70 & 74.9			
3/0 AWG *4/0 Solid Wire*	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 & 7/#10	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 *3/0 Solid Wire*	7/#8 & 7/#9	70 & 74.9			
3/0 AWG *4/0 Solid Wire*	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 (Cmpctd 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**		
-	7/#4	-	**500**		
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*

FULL TENSION CONNECTORS

- 6000 series aluminum alloy
- Fits cable sizes 1/0 - 3500 kcmil
- Single and Two-Stage applications
- Meets pull out requirement of over 95% strength of cable
- Pre-drilled inspection hole for proper cable insertion
- Custom dimensions and configurations available

THINKING OUTSIDE THE FENCE

Every day a continuously increasing demand is placed on our nation's transmission conductors, often causing them to operate at temperatures exceeding 130°C. Keeping these transmission lines safely in the air is the single most critical requirement of any connector and traditional installation methods simply cannot survive long under this kind of burden. That's why DMC Power designed the next generation of Full Tension connectors for AAC, ACSR, ACSS and Static Wire applications.

DMC Power has spent several years testing to all industry standards including ANSI C119.4 Class "AA" current cycling on our Single Stage system, establishing us as the only "High Temperature" Single Stage system option.

Additional Thermal/Mechanical testing of our Single Stage "One Die" ACSR fittings at an elevated temperature of 150°C and 25% tension showed that all of our test samples ran an average of 25% cooler than the control conductor temperature, proving DMC Power's superior performance over all other compression systems.

DMC Power's strict manufacturing processes and ISO 9001:2008 quality system ensures that each and every connector you receive meets and exceeds all utility and industry standards. Trust the superior quality and proven reliability of the DMC Power Swage System on your next Transmission project.

Only 4 Swages required on AAC Single Pad Deadends

360° compression with just the push of a button

FULL 360° COMPRESSION

Unlike other connection systems that use dangerous explosives, inferior connector material or fixed dies that produce inefficient compression, our Swage System provides 360° compression around the outside of the high strength 6000 series aluminum alloy fitting to produce:

20%	40%	50%
AREA OF REDUCTION	HIGHER IACS RATING	HIGHER THERMAL CONDUCTIVITY RATING

THE MOST NOVEL FULL TENSION TRANSMISSION APPLICATION IN 30 YEARS

- Internal step down for stress relief
- Flared out section provides a "choking" effect

- 360° flex die applies symmetrical forces for greater holding strength

- Flexible gripping core to prevent scraping out holding grit

- Yields a 20% area of reduction for superior electrical performance

MANUFACTURING

- Machined to exact sizes (Tolerance: ±.005)
- Cores are machined for maximum accuracy
- Exact surface finish allows maximum contact
- Optimum strength through precise heat treatment
- Special galvanizing and superior corrosion protection
- TIG welding for best connection and conductivity
- Gun Drill Machining produces 5x tighter tolerance vs. extrusion

PERFORMANCE FEATURES

- Higher conductivity alloy
- Superior mechanical strength
- Step down stress relief
- Fewer compressions for fast installation
- Lighter tool for improved ergonomics
- No need to rotate the tool, no bowing
- Lower total ownership cost

APPLICATION NOTES

PULL DMC OVER THE ROLLERS

Transmission line construction specialists recognize the time and costs associated with temporary joints used to pull cables through the rollers. The need for access roads or helicopters to install permanent splices can add $1,000,000 to your project for every 100 splices! DMC Power's Swage design allows for splices to run OVER the roller during installation without impacting splice performance -- just Swage your reels together and start stringing!

COMPLETE LINE OF FULL TENSION

DMC Power offers a complete line of Full Tension connector configurations for any Transmission application. Identifying the proper base part number is easy - simply replace the "**x**" in the listed part number with the corresponding letter of the conductor type being used. See page 53 for complete part ordering information.

CONDUCTOR CODES

DB = AAC **DC** = ACSR **DJ** = ACSS
DL = ACSS TW Equal Area **DN** = Static Wire
DQ = ACSS TW Equal Diameter

EXAMPLE
AAC (DB) Single Pad Deadend (Dx99) = DB99

Dx99
SINGLE PAD DEADEND

Up to 765kV | Pads 2"/3"/4" | ANGLES | EHV

- Kit includes Bolt Package and Jumper Terminal
- 2-Stage Connector = Dx79

Dx98
DEADEND

Up to 765kV | EHV

- Includes Deadend only
- For use with Tees (Dx93) or Taps (Dx92)
- 2-Stage Connector = Dx78

Dx97
DUAL PAD DEADEND

Up to 765kV | Pads 2"/3"/4" | ANGLES | EHV

- Kit includes two Bolt Packages and two Jumper Terminals
- 2-Stage Connector = Dx77

Dx96
SPLICE CONNECTOR

Up to 765kV | EHV

- Superior sheave performance
- Save installation time and money by going over the roller
- 2-Stage Connector = Dx76

Dx89
SINGLE PAD ADJUSTABLE DEADEND

Up to 765kV | Pads 2"/3"/4" | ANGLES | EHV

- Kit includes Bolt Package and Jumper Terminal
- 2-Stage Connector = Dx69

Dx88
ADJUSTABLE DEADEND

Up to 765kV | EHV

- Includes Deadend only
- For use with Tees (Dx93) or Taps (Dx92)
- 2-Stage Connector = Dx68

Dx87
DUAL PAD ADJUSTABLE DEADEND

Up to 765kV | Pads 2"/3"/4" | ANGLES | EHV

- Kit includes two Bolt Packages and two Jumper Terminals
- 2-Stage Connector = Dx67

DN79
SINGLE PAD STATIC WIRE DEADEND

Up to 765kV | ANGLES | EHV

- Kit includes Bolt Package and Jumper Terminal
- Static Wire Splice (DN76), Deadend (DN78) and Dual Pad Deadend (DN77) also available

Dx92
TAPS

Up to 765kV | Pads 2"/3"/4" | SPLIT | ANGLES | EHV

- Split fitting design slides easily over existing cable
- Custom pad sizes and configurations available

Dx93
TEES

Up to 765kV | SPLIT | ANGLES | EHV

- Split fitting design slides easily over existing cable
- Any size cable and configuration available

Dx94
JUMPER TERMINALS

- Connects to Deadend NEMA pads to keep the current flowing
- Standard and custom angles available
- Jumper Terminal included with Deadend orders or available separately

Dx95
REPAIR SLEEVES

- Provides a lifelong Swage connection for weak points in cable runs
- Split fitting design slides easily over existing cable

PLK8000
EHV BOLT SHIELDS

- Bolts directly onto existing NEMA Pad to smooth out the electric field profile created by sharp edges
- Can be used at high altitude, coastal or industrial areas for added protection
- Included with all EHV Deadend orders

DPFT8014
MOUNTING HARDWARE

- Kit contains 4 Bolts, Washers and Nuts
- One standard kit included per Deadend and Jumper Terminal order

AAC CABLE SELECTOR CHART

▶ Step 1: Select your base connector style

	DEADEND						JUMPER TERMINAL	
	1 PAD	NO PAD	2 PAD	ADJUSTABLE 1 PAD	ADJUSTABLE NO PAD	ADJUSTABLE 2 PAD	SINGLE TERMINAL	DOUBLE TERMINAL
AAC	DB99	DB98	DB97	DB89	DB88	DB87	DB94	DB84

	SPLICES				TEES	TAPS
	STANDARD	REPAIR	LOOP	REDUCER		
AAC	DB96	DB95	DB91	DB90	DB93	DB92

▶ Steps 2 & 3: Find the AAC Conductor you're using and select the corresponding outer aluminum BARREL DIE # and CABLE CODE

AAC	SIZE (kcmil)	STR	CABLE OD	BARREL DIE #	CABLE CODE #
Poppy	1/0	7	0.368	125	00
Aster	2/0	7	0.414	125	01
Phlox	3/0	7	0.464	125	02
Oxlip	4/0	7	0.522	125	03
Sneezewort	250	7	0.567	125	0A
Laurel	266.8	19	0.592	125	04
Tulip	336.4	19	0.665	125	05
Daffodil	350	19	0.679	125	05
Canna	397.5	19	0.723	125	05
Goldentuft	450	19	0.769	125	05
Cosmos	477	19	0.792	150	10
Syringa	477	37	0.795	150	10
Zinnia	500	19	0.811	150	10
Hyacinth	500	37	0.814	150	10
Dahlia	556.5	19	0.856	150	10
Mistletoe	556.5	37	0.858	150	10
Meadowsweet	600	37	0.891	150	10
Orchid	636	37	0.918	175	15
Heuchera	650	37	0.928	175	15
Verbena	700	37	0.963	175	20
Flag	700	61	0.964	175	20
Violet	715.5	37	0.973	175	20
Nasturtium	715.5	61	0.975	175	20
Petunia	750	37	0.997	175	20
Cattail	750	61	0.998	188	25
Arbutus	795	37	1.026	188	25
Lilac	795	61	1.027	188	25
Cockscomb	900	37	1.092	188	25
Snapdragon	900	61	1.093	200	30
Magnolia	954	37	1.124	200	30
Goldenrod	954	61	1.125	200	30
Hawkweed	1000	37	1.151	200	35
Camellia	1000	61	1.152	200	35
Bluebell	1033.5	37	1.17	200	40
Larkspur	1033.5	61	1.171	200	40

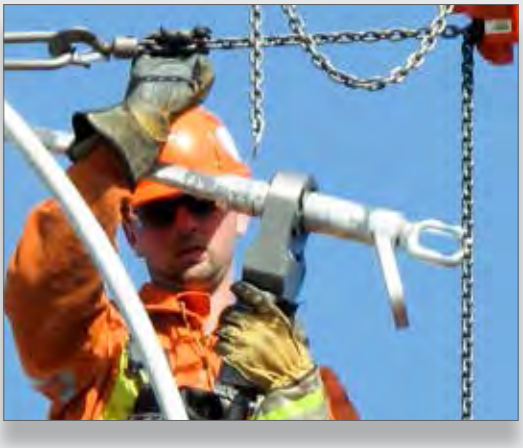
AAC CABLE SELECTOR CHART

AAC	SIZE (kcmil)	STR	CABLE OD	BARREL DIE #	CABLE CODE #
Marigold	1113	61	1.216	**225**	**45**
Hawthorn	1192.5	61	1.258	**225**	**45**
Narcissus	1272	61	1.300	**225**	**45**
Columbine	1351.5	61	1.340	**225**	**50**
Carnation	1431	61	1.378	**225**	**50**
Gladiolus	1510.5	61	1.416	**225**	**55**
Coreopsis	1590	61	1.453	**225**	**55**
Jessamine	1750	61	1.524	**225**	**58**
Cowslip	2000	91	1.631	**275**	**60**
Sagebrush	2250	91	1.730	**275**	**65**
Pigweed	2300	91	1.748	**275**	**65**
Lupine	2500	91	1.823	**275**	**70**
Bluebonnet	3500	127	2.158	**325**	**85**

HANG TRANSMISSION CABLE IN SECONDS WITH JUST 4 STEPS:

1. INSERT

2. SWAGE



3. INSPECT

4. CONNECT

ACSR CABLE SELECTOR CHART

▶ Step 1: Select your base connector style

	DEADEND						JUMPER TERMINAL	
	1 PAD	NO PAD	2 PAD	ADJUSTABLE 1 PAD	ADJUSTABLE NO PAD	ADJUSTABLE 2 PAD	SINGLE TERMINAL	DOUBLE TERMINAL
ACSR Single Stage	DC99	DC98	DC97	DC89	DC88	DC87	DC94	DC84
ACSR Two Stage	DC79	DC78	DC77	DC69	DC68	DC67		

	SPLICES				TEES	TAPS
	STANDARD	REPAIR	LOOP	REDUCER		
ACSR Single Stage	DC96	DC95	DC91	DC90	DC93	DC92
ACSR Two Stage	DC76			DC70		

▶ Step 2 & 3:

Find the ACSR Conductor you're using and select the corresponding outer aluminum **BARREL DIE #** and Single or Two Stage **CABLE CODE #**

(NOTE: Internal Die # required for 2-Stage installation but not used to build the part number)

				1 & 2-STAGE	CABLE CODE #		2-STAGE ONLY
ACSR	SIZE (kcmil)	STR (Al/St)	CABLE OD	BARREL DIE #	SINGLE STAGE	TWO STAGE	INTERNAL CORE DIE #
Raven	1/0	6/1	0.398	150	0F	0F	N/A
Quail	2/0	6/1	0.447	150	0E	0E	
Pigeon	3/0	6/1	0.502	150	0D	0D	
Penguin	4/0	6/1	0.563	150	01	01	
Waxwing	266.8	18/1	0.609	150	0F	0F	
Partridge	266.8	26/7	0.642	150	0C	0C	
Merlin	336.4	18/1	0.684	150	02	02	063
Linnet	336.4	26/7	0.720	150	04	04	
Chickadee	397.5	18/1	0.743	150	08	08	
Brant	397.5	24/7	0.772	150	10	09	
Ibis	397.5	26/7	0.783	150	10	10	075
Lark	397.5	30/7	0.806	150	12	12	
Pelican	477	18/1	0.814	150	14	14	
Flicker	477	24/7	0.846	150	16	15	
Hawk	477	26/7	0.858	150	16	16	
Hen	477	30/7	0.883	175	18	18	088
Osprey	556.5	18/1	0.879	175	20	20	075
Parakeet	556.5	24/7	0.914	175	22	21	
Dove	556.5	26/7	0.927	175	22	22	088
Eagle	556.5	30/7	0.953	175	24	24	
Peacock	605	24/7	0.953	175	26	25	
Squab	605	26/7	0.966	175	26	26	
Kingbird	636	18/1	0.940	175	30	30	075
Swift	636	36/1	0.930	175	32	32	

ACSR CABLE SELECTOR CHART

				1 & 2-STAGE	CABLE CODE #		2-STAGE ONLY
ACSR	SIZE (kcmil)	STR (Al/St)	CABLE OD	BARREL DIE #	SINGLE STAGE	TWO STAGE	INTERNAL CORE DIE #
Rook	636	24/7	0.977	188	34	33	088
Grosbeak	636	26/7	0.991	188	34	34	
Scoter	636	30/7	1.019	188	36	36	100
Egret	636	30/19	1.019	188	36	36	
Flamingo	666.6	24/7	1.000	188	38	37	088
Gannet	666.6	26/7	1.014	188	38	38	
Stilt	715.5	24/7	1.036	188	38	37	
Starling	715.5	26/7	1.051	188	38	38	
Redwing	715.5	30/19	1.081	188	40	39	100
Drake	795	26/7	1.107	188	40	40	
Coot	795	36/1	1.040	188	42	42	088
Tern	795	45/7	1.063	188	44	44	100
Condor	795	54/7	1.092	188	46	46	
Ruddy	900	45/7	1.131	200	50	50	100
Rail	954	45/7	1.165	200	50	50	
Phoenix	954	42/6	1.162	200	51	51	
Canary	900	54/7	1.162	200	52	52	
Cardinal	954	54/7	1.196	200	52	52	
Ortolan	1033.5	45/7	1.212	200	54	54	
Curlew	1033.5	54/7	1.245	200	56	56	
Bluejay	1113	45/7	1.258	225	58	58	113
Finch	1113	54/19	1.292	225	60	60	
Bunting	1192.5	45/7	1.302	225	62	62	
Grackle	1192.5	54/19	1.337	225	64	64	
Bittern	1272	45/7	1.345	225	66	66	
Pheasant	1272	54/19	1.381	225	68	68	
Dipper	1351.5	45/7	1.386	225	70	70	
Martin	1351.5	54/19	1.424	225	72	72	
Bobolink	1431	45/7	1.427	225	74	74	
Lapwing	1590	45/7	1.504	225	76	N/A	N/A
Lapwing	1590	45/7	1.504	275	N/A	76	125
Falcon	1590	54/19	1.544	275	78	78	
Chukar	1780	84/19	1.602	275	80	80	
Bluebird	2156	84/19	1.762	275	82	82	
Kiwi	2167	72/7	1.735	275	84	84	

ACSS CABLE SELECTOR CHART

▶ Step 1: Select your base connector style

	DEADEND						JUMPER TERMINAL	
	1 PAD	NO PAD	2 PAD	ADJUSTABLE 1 PAD	ADJUSTABLE NO PAD	ADJUSTABLE 2 PAD	SINGLE TERMINAL	DOUBLE TERMINAL
ACSS	DJ79	DJ78	DJ77	DJ69	DJ68	DJ67	DJ94	DJ84

	SPLICES				TEES	TAPS
	STANDARD	REPAIR	LOOP	REDUCER		
ACSS	DJ76	DJ95	DJ91	DJ70	DJ93	DJ92

▶ Step 2 & 3: Find the ACSS Conductor you're using and select the corresponding outer aluminum **BARREL DIE #** and **CABLE CODE #**

(NOTE: Internal Die # required for 2-Stage installation but not used to build the part number)

ACSS	SIZE (kcmil)	STR (Al/St)	CABLE OD	BARREL DIE #	CABLE CODE #	INTERNAL CORE DIE #
Partridge/ACSS	266.8	26/7	0.642	**150**	**0C**	**063**
Ostrich/ACSS	300	26/7	0.680	**150**	**0F**	
Linnet/ACSS	336.4	26/7	0.720	**150**	**04**	
Brant/ACSS	397.5	24/7	0.772	**150**	**09**	075
Ibis/ACSS	397.5	26/7	0.783	**150**	**10**	
Flicker/ACSS	477	24/7	0.846	**150**	**15**	
Hawk/ACSS	477	26/7	0.858	**150**	**16**	
Hen/ACSS	477	30/7	0.883	**175**	**18**	088
Dove/ACSS	556.5	26/7	0.927	**175**	**22**	
Peacock/ACSS	605	24/7	0.953	**175**	**25**	
Squab/ACSS	605	26/7	0.966	**175**	**26**	
Rook/ACSS	636	24/7	0.977	**188**	**33**	088
Grosbeak/ACSS	636	26/7	0.991	**188**	**34**	
Scoter/ACSS	636	30/7	1.019	**188**	**36**	100
Egret/ACSS	636	30/19	1.019	**188**	**36**	
Flamingo/ACSS	666.6	24/7	1.000	**188**	**37**	088
Gannet/ACSS	666.6	26/7	1.014	**188**	**38**	100
Stilt/ACSS	715.5	24/7	1.036	**188**	**37**	
Starling/ACSS	715.5	26/7	1.051	**188**	**38**	

THERMAL MECHANICAL ACSS TESTING

Our ACSS line of high temperature Deadends and Splices have been independently tested to the rigorous international standards of CIGRE TB 426. Accordingly, samples were subjected to 500 current cycles at 250°C with 25% RBS constant tension including 5 separate sustained holds at 70% RBS for 24 hours. All DMC Power connectors passed easily with the post-aging tensioned conductor breaking at a remarkable 103% RBS.

ACSS CABLE SELECTOR CHART

ACSS	SIZE (kcmil)	STR (Al/St)	CABLE OD	BARREL DIE #	CABLE CODE #	INTERNAL CORE DIE #
Cuckoo/ACSS	795	24/7	1.092	**200**	**4A**	
Drake/ACSS	795	26/7	1.107	**200**	**40**	
Macaw/ACSS	795	42/7	1.055	**200**	**41**	
Tern/ACSS	795	45/7	1.063	**200**	**44**	
Condor/ACSS	795	54/7	1.092	**200**	**46**	
Ruddy/ACSS	900	45/7	1.131	**200**	**50**	
Canary/ACSS	900	54/7	1.162	**200**	**52**	100
Redbird/ACSS	954	24/7	1.196	**200**	**5A**	
Rail/ACSS	954	45/7	1.165	**200**	**50**	
Towhee/ACSS	954	48/7	1.175	**200**	**5B**	
Cardinal/ACSS	954	54/7	1.196	**200**	**52**	
Snowbird/ACSS	1033.5	42/7	1.203	**200**	**5D**	
Ortolan/ACSS	1033.5	45/7	1.212	**200**	**54**	
Curlew/ACSS	1033.5	54/7	1.245	**225**	**56**	
Bluejay/ACSS	1113	45/7	1.258	**225**	**58**	
Finch/ACSS	1113	54/19	1.292	**225**	**60**	113
Bunting/ACSS	1192.5	45/7	1.302	**225**	**62**	
Pheasant/ACSS	1272	54/19	1.381	**225**	**68**	
Dipper/ACSS	1351.5	45/7	1.386	**225**	**70**	
Martin/ACSS	1351.5	54/19	1.424	**275**	**72**	
Bobolink/ACSS	1431	45/7	1.427	**275**	**74**	
Plover/ACSS	1431	54/19	1.465	**275**	**7A**	
Nuthatch/ACSS	1510	45/7	1.465	**275**	**74**	
Parrot/ACSS	1510	54/19	1.505	**275**	**7B**	
Ratite/ACSS	1590	42/7	1.492	**275**	**7C**	
Lapwing/ACSS	1590	45/7	1.504	**275**	**76**	125
Falcon/ACSS	1590	54/19	1.544	**275**	**78**	
Chukar/ACSS	1780	84/19	1.601	**275**	**80**	
Mockingbird/ACSS	2034.5	72/7	1.681	**275**	**81**	
Roadrunner/ACSS	2057	76/19	1.700	**275**	**8A**	
Bluebird/ACSS	2156	84/19	1.762	**275**	**82**	
Kiwi/ACSS	2167	72/7	1.735	**275**	**84**	

RUN COOLER, LONGER

During ANSI C119.4 type testing, DMC Power ACSS Deadends and Splices showed superior resistance stability on all samples through 500 thermal cycles at 250°C-285°C above room temperature. Additional extreme temperature cycling to 325°C was performed for 280 more cycles with all samples averaging 50% cooler than the control and the post-aging tensile load yielding 104% RBS.

ACSS TW CABLE CHART

- **ACSS/TW Equal Area** size chart is listed below
- **ACSS/TW Equal Diameter** and **Static Wire** are on the following page

▶ Step 1: Select your base connector style

	DEADEND						JUMPER TERMINAL	
	1 PAD	NO PAD	2 PAD	ADJUSTABLE 1 PAD	ADJUSTABLE NO PAD	ADJUSTABLE 2 PAD	SINGLE TERMINAL	DOUBLE TERMINAL
ACSS TW - EA	DL79	DL78	DL77	DL69	DL68	DL67	DL94	DL84
ACSS TW - ED	DQ79	DQ78	DQ77	DQ69	DQ68	DQ67	DQ94	DQ84

	SPLICES				TEES	TAPS
	STANDARD	REPAIR	LOOP	REDUCER		
ACSS TW - EA	DL76	DL95	DL91	DL70	DL93	DL92
ACSS TW - ED	DQ76	DQ95	DQ91	DQ70	DQ93	DQ92

▶ Step 2 & 3: Find the ACSS TW Conductor you're using and select the corresponding outer aluminum BARREL DIE # and CABLE CODE

(NOTE: Internal Die # required for 2-Stage installation but not used to build the part number)

EQUAL AREA							
ACSS/TW	SIZE (kcmil)	TYPE NO.	STR (Al/St)	CABLE OD	BARREL DIE #	CABLE CODE #	INTERNAL CORE DIE #
Linnet/ACSS/TW	336.4	16	16/7	0.667	**150**	**04**	063
Flicker/ACSS/TW	477	13	18/7	0.776	**150**	**15**	075
Hawk/ACSS/TW	477	16	18/7	0.798	**150**	**16**	
Hen/ACSS/TW	477	23	20/7	0.820	**175**	**18**	088
Dove/ACSS/TW	556.5	16	20/7	0.850	**175**	**22**	
Rook/ACSS/TW	636	13	20/7	0.893	**188**	**33**	088
Grosbeak/ACSS/TW	636	16	20/7	0.909	**188**	**34**	
Tern/ACSS/TW	795	7	17/7	0.960	**200**	**44**	088
Condor/ACSS/TW	795	13	20/7	0.993	**200**	**46**	
Drake/ACSS/TW	795	16	20/7	1.010	**200**	**40**	100
Canary/ACSS/TW	900	13	20/7	1.055	**200**	**52**	
Rail/ACSS/TW	954	7	32/7	1.061	**200**	**50**	
Cardinal/ACSS/TW	954	13	20/7	1.080	**200**	**52**	
Ortolan/ACSS/TW	1033.5	7	32/7	1.102	**200**	**54**	
Curlew/ACSS/TW	1033.5	13	22/7	1.132	**225**	**56**	113
Bluejay/ACSS/TW	1113	7	33/7	1.143	**225**	**58**	
Bunting/ACSS/TW	1192.5	7	34/7	1.181	**225**	**62**	
Bittern/ACSS/TW	1272	7	38/7	1.224	**225**	**67**	
Pheasant/ACSS/TW	1272	13	39/19	1.260	**225**	**68**	
Dipper/ACSS/TW	1351.5	7	35/7	1.256	**225**	**70**	
Lapwing/ACSS/TW	1590	7	36/7	1.358	**275**	**76**	125
Falcon/ACSS/TW	1590	13	42/19	1.410	**275**	**78**	
Chukar/ACSS/TW	1780	8	38/19	1.445	**275**	**80**	
Bluebird/ACSS/TW	2156	8	64/19	1.608	**275**	**82**	

ACSS TW CABLE CHART

EQUAL DIAMETER							
ACSS/TW	SIZE (kcmil)	TYPE NO.	STR (Al/St)	CABLE OD	BARREL DIE #	CABLE CODE #	INTERNAL CORE DIE #
Mohawk/ACSS/TW	571.7	13	18/7	0.850	**150**	**03**	075
Calumet/ACSS/TW	565.3	16	20/7	0.860	**175**	**06**	088
Oswego/ACSS/TW	664.8	16	20/7	0.927	**188**	**12**	088
Wabash/ACSS/TW	762.8	16	20/7	0.990	**188**	**18**	100
Fraser/ACSS/TW	946.7	10	35/7	1.077	**188**	**24**	
Columbia/ACSS/TW	966.2	13	21/7	1.092	**188**	**27**	
Suwannee/ACSS/TW	959.6	16	22/7	1.110	**200**	**30**	113
Genesee/ACSS/TW	1158	7	34/7	1.165	**200**	**36**	100
Catawba/ACSS/TW	1272	5	30/7	1.203	**225**	**42**	113
Nelson/ACSS/TW	1257.1	7	35/7	1.213	**225**	**45**	
Truckee/ACSS/TW	1372.5	5	30/7	1.248	**225**	**51**	
St. Croix/ACSS/TW	1467.8	5	33/7	1.292	**225**	**60**	
Thames/ACSS/TW	1334.6	13	38/19	1.290	**275**	**57**	113
Potomac/ACSS/TW	1557.4	7	36/7	1.350	**275**	**72**	125
Schuylkill/ACSS/TW	1657.4	7	36/7	1.386	**275**	**78**	
Pecos/ACSS/TW	1622	13	39/19	1.420	**275**	**81**	
James/ACSS/TW	1730.6	13	34/19	1.470	**275**	**87**	
Athabaska/ACSS/TW	1949.6	7	44/7	1.504	**275**	**90**	
Powder/ACSS/TW	2153.8	8	64/19	1.602	**275**	**96**	

STATIC WIRE CABLE CHART

Below are some of the most popular Static Wire cable sizes.
All sizes and configurations are possible, contact us for more information.

DN - STATIC WIRE	SIZE / STRANDING	CABLE OD	BREAKING STRENGTH	BARREL DIE #	CABLE CODE #
Galvanized - EHS	5/16”	0.306	11,200	075	28
Alumaweld	7 No. 10	0.306	10,020	075	28
Alumaweld	7 No. 9	0.343	12,630	075	30
Alumaweld	3 No. 6	0.349	10,280	075	30
Galvanized - EHS	3/8”	0.385	15,400	100	34
Alumaweld	7 No. 8	0.385	15,930	100	34
Alumaweld	3 No. 5	0.392	12,230	100	34
Alumaweld	7 No. 7	0.433	19,060	100	36
Galvanized - EHS	1/2”	0.486	26,900	113	38
Alumaweld	7 No. 6	0.486	22,730	113	38
Alumaweld	19 No. 10	0.509	27,190	113	38
Alumaweld	7 No. 5	0.546	27,030	125	40
Alumaweld	19 No. 9	0.572	34,290	125	42

TRANSMISSION TOOLING CHART

- Use the color-coded **BARREL DIE #** associated with your cable type to determine the proper **Head Assembly and Power Unit** combination needed for your job
  *(this is also the second set of digits in the connector part number: DC98-**188**-34)*
- **ACSS & ACSR 2-Stage** installations will need to reference the **INTERNAL CORE DIE #** to select tooling for the internal steel sleeve

CABLE TYPE	BARREL DIE #	FITTING O.D.	HEAD ASSEMBLY	INSPECTION GAUGE	POWER UNIT
AAC	125	1-1/4"	**DP45HA125** (DLT45CLHA03975)	**DP45IG125** (DLT45CLIG03975)	**DP45PU00** (DLT45MAPW0000)
AAC / ACSR	150	1-1/2"	**DP45HA150** (DLT45CLHA05565)	**DP45IG150** (DLT45CLIG05565)	
	175	1-3/4"	**DP45HA175** (DLT45CLHA07155)	**DP45IG175** (DLT45CLIG07155)	
	188	1-7/8"	**DP45HA188** (DLT45CLHA08745)	**DP45IG188** (DLT45CLIG08745)	
AAC	200	2"	**DP45HA200** (DLT45CLHA11130)	**DP45IG200** (DLT45CLIG11130)	
	225	2-1/4"	**DP45HA225** (DLT45CLHA15900)	**DP45IG225** (DLT45CLIG15900)	
ACSR	200	2"	**DP58HA200** (DLT58CLHA11130)	**DP45IG200** (DLT45CLIG11130)	**DP58PU00** (DLT58MAPW0000)
AAC	275	2-3/4"	**DP58HA275** (DLT58CLHA25000)	**DP58IG275** (DLT58CLIG25000)	
ACSS/ ACSR *2-Stage Internal Core Die #*	063	5/8"	**DP85HA063**	**DP45IG063**	**DP85PU00** (DLT85MAPW0001)
	075	3/4"	**DP85HA075** (DLT85CLHA00010)	**DP45IG075** (DLT45CLIG00010)	
	088	7/8"	**DP85HA088**	**DP45IG088**	
	100	1"	**DP85HA100** (DLT85CLHA02500)	**DP45IG100** (DLT45CLIG02500)	
	113	1-1/8"	**DP85HA113**	**DP45IG113**	
	125	1-1/4"	**DP85HA125** (DLT85CLHA03975)	**DP45IG125** (DLT45CLIG03975)	
ACSS/ ACSR *2-Stage Outer Barrel*	150	1-1/2"	**DP85HA150** (DLT85CLHA05565)	**DP45IG150** (DLT45CLIG05565)	
	175	1-3/4"	**DP85HA175** (DLT85CLHA07155)	**DP45IG175** (DLT45CLIG07155)	
	188	1-7/8"	**DP85HA188** (DLT85CLHA08745)	**DP45IG188** (DLT45CLIG08745)	
	200	2"	**DP85HA200** (DLT85CLHA11130)	**DP45IG200** (DLT45CLIG11130)	
ACSS/ ACSR *Single & 2-Stage Outer Barrel*	225	2-1/4"	**DP85HA225** (DLT85CLHA15900)	**DP45IG225** (DLT45CLIG15900)	
	275	2-3/4"	**DP85HA275** (DLT85CLHA25000)	**DP58IG275** (DLT58CLIG25000)	

PUMP TYPE (See page 9)	ELECTRIC - DP45EP00 (DLT12MAPE1000)	GAS - DP45GP00 (DLT17MAPE1001)

FULL TENSION ORDERING NOMENCLATURE

Creating your Full Tension Connectors is easy as 1 – 2 – 3 – 4

▶ **Step 1:** Select your base connector style (ex: **DB97** – AAC Dual Pad Deadend)

▶ **Step 2 & 3:** Find the specific conductor you're using and take note of the BARREL DIE # and the CABLE CODE # (ex: **AAC Magnolia** – BARREL DIE # 200; CABLE CODE # 30)

▶ **Step 4:** Add any additional part modifiers (multiple suffixes can be applied)

OTHER OPTIONS	
No Terminal	NT
Horizontal Eyeloop	H
EHV	EHV
Bolt Package	BK
2 Conductor Spacing	XS

PAD OPTIONS	
2", 2H Pad	E1
3", 4H Pad	E2
4", 4H Pad	E3
5", 6H Pad	E4
6", 6H Pad	E5

TOTAL ANGLE	
DEADEND TO JUMPER MESAURED FROM VERTICAL	
00°	00
15°	15
45°	45
Custom Angle	Enter Angle

Using the three numbers from steps 1, 2 & 3 (and any optional part modifiers) simply link the numbers together with a "-" between them to create your custom Full Tension Connector

DBXX – XXX – XX – X

Step 4: Add any additional Part Modifiers
(NOTE: Multiple suffixes may be added after the CABLE CODE as needed)

Step 3: Insert 2-Digit CABLE CODE #

Step 2: Insert 3-Digit BARREL DIE #

Step 1: Insert Base Connector Style

SINGLE STAGE ORDERING EXAMPLE WITH MODIFIER:
Magnolia AAC Cable / 954 kcmil

DB97 – 200 – 30 – EHV

DB97	200	30	EHV
AAC Dual Pad Deadend	2" OD Barrel	30 Cable Code	EHV Version

***Tooling**: Single Stage - 200 AAC Outer Barrel Size = **DP45PU00** Power Unit & **DP45HA200** Head Assembly*

TWO STAGE ORDERING EXAMPLE WITH MULTIPLE MODIFIERS:
Drake ACSR Cable / 795 kcmil

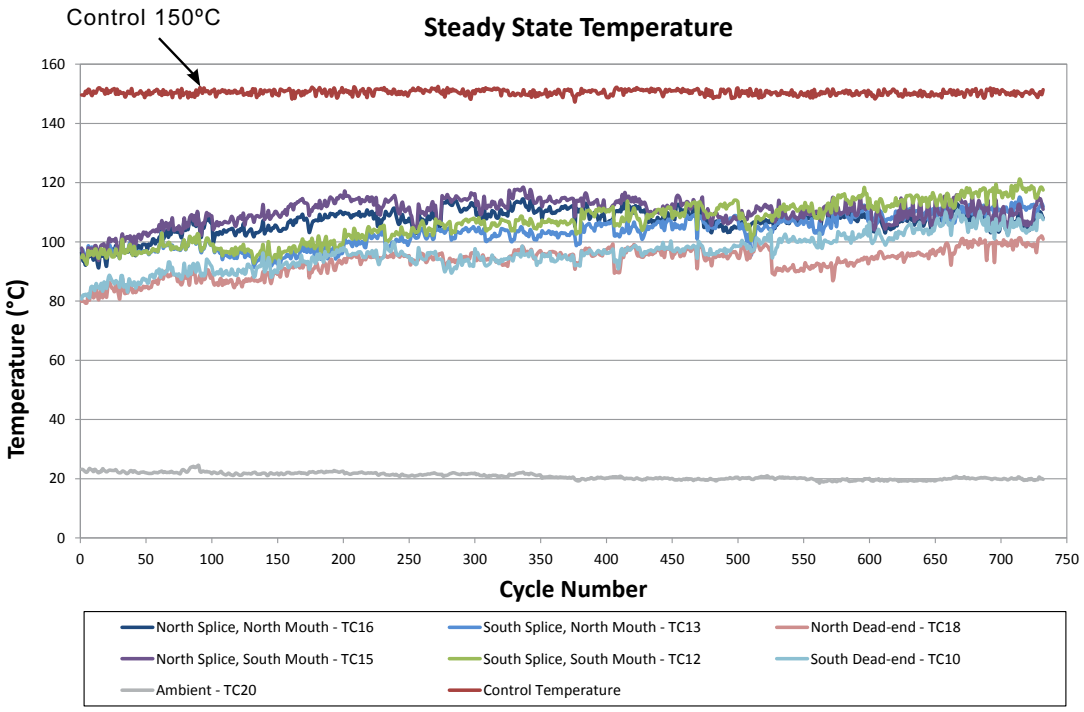
DC99 – 188 – 40 – H – 15

DC99	188	40	H	15
ACSR Single Pad Deadend	1-7/8" OD Barrel	40 Cable Code	Horizontal Eyeloop	0° Pad From Vertical

***Tooling:** Two Stage - 188 ACSR Outer Barrel Size = **DP85PU00** Power Unit & **DP85HA188** Head Assembly*
*Internal Core Die #100 ACSR = **DP85PU00** Power Unit & **DP85HA100** Head Assembly*

TESTED & CERTIFIED FULL

DMC Power's High Temperature Single Stage (one die) system has been proven to meet even the most aggressive maximum operating temperature of ACSR conductors. Thermal Mechanical testing at the elevated temperature of 150°C and under 25% tension shows excellent stability after 500 cycles with sample connector temperatures running 25% cooler than the control conductor. This allows for NERC facility rating compliance for normal and emergency operations.



SUPERIOR DESIGN

EXTENSIVE TESTING ASSURES PEAK

CURRENT CYCLE

RIV/CORONA

FREEZE/THAW

TENSION CONNECTORS

Kinectrics Lab independently type tested DMC Power's swaged connectors on various sizes of ACSR & ACSS conductors. All test connectors, as tested, met the acceptance criteria of their specific governing standard. They are as follows:

- Class A, Current Cycle Test (500 cycles) as per ANSI C119.4 on swaged connectors connected to ACSR Bluebird conductor.
- Class AA, Current Cycle Test (500 cycles) as per ANSI C119.4 on swaged connectors connected to ACSR Bluebird conductor. Selected connectors were exposed to a total of 1000 current cycles.
- Mechanical Maximum Load Tests as per ANSI C119.4 on swaged connectors connected to ACSR Linnet, Drake and Bluebird conductors.
- Mechanical Sustained Load Tests as per ANSI C119.4 on swaged connectors connected to ACSR Linnet, Drake and Bluebird conductors.
- Sheave and Pullout Test sequence as per Kinectrics procedure on a swaged connector installed on ACSR Drake conductor.
- Corona and RIV Tests on swaged transmission connectors were conducted per NEMA CC1 up to 765 kV with added corona-control devices as outlined in report DMCP-0120EHV
- Sheave and Pullout Test sequence as per Kinectrics procedure on a swaged connector connected to ACSS Drake conductor.
- Class AA, Current Cycle Test (500 cycles) as per ANSI C119.4 on swaged connectors connected to ACSS Falcon conductor.
- Thermo-Mechanical Cycle Test as per Kinectrics procedure on swaged connectors connected to ACSS Drake conductor.

The mechanical and current cycling tests were performed on ACSR conductors January 16th, 2012 through January 14th, 2013 & ACSS conductors on April 24, 2014 through November 19, 2014.

Results are recorded in Kinectrics Test Reports Number K-419340-RC-0001 through K-419340-RC-0008 and K-419515-RC-0003, K-419515-RC-0004 and K-419515-RC- 0008.

PERFORMANCE IN ALL ENVIRONMENTS

SUSTAINED LOAD

MAXIMUM LOAD

SALT FOG

TOOLING

BUS

CABLE

GROUNDING

FULL TENSION

HEADQUARTERS

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