



2013 Product Catalog

Effective January 2013

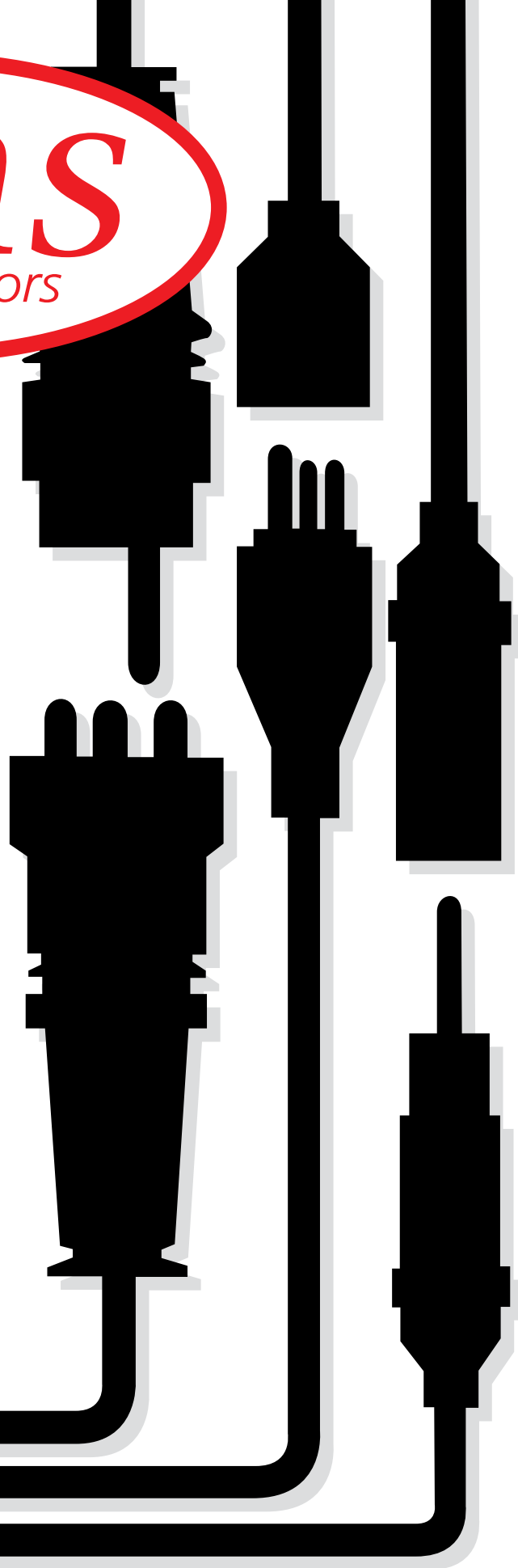
Our **2013 Product Catalog** is available in Adobe PDF format allowing you to search and view our products.

Use the Adobe Acrobat or Acrobat Reader (or similar PDF file viewer application) "Find" command (**Edit > Find**) to search for specific SMS products and product numbers.

For landscape oriented pages, select **View > Rotate View** from the menu to rotate pages 90° for easier reading.



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SPECIAL MINE SERVICES, INC.



Standard Terms and Conditions

CONTRACT AND ACCEPTANCE

The terms and conditions of sales set forth, herein, and all drawings, specifications, descriptions and other documents attached hereto and incorporated herein by reference constitute the entire agreement between Special Mine Services, Inc. (Seller) and Buyer. SELLERS ACCEPTANCE OF THIS ORDER IS EXPRESSLY CONDITIONED ON BUYERS ASSENT TO THE TERMS AND CONDITIONS CONTAINED HEREIN. The terms and Conditions of Seller's Proposal (if any) and Acknowledgement shall prevail over any conflicting or different terms in Buyer's Order unless Buyer notifies Seller in writing of its objections thereto within 15 days from receipt of Seller's Acknowledgement. The failure of Seller to object to any provision in conflict herewith whether contained on Buyers Purchase Order or otherwise, shall not be construed as a waiver of the provisions hereof nor as an acceptance thereof.

PRICES

All quotations expire 30 calendar days from the date of quotation unless withdrawn sooner. Prices of products scheduled for shipment more than 12 months after the date of Buyers order shall be subject to escalation.

TERMS

Upon approved credit the following terms will apply:
1. 1% cash discount within ten days of invoice date.
2. Net 30 days.

SHIPPING SCHEDULE

Seller will establish estimated shipping schedules as closely as practicable in accordance with Buyer's requested delivery date. However, Seller will not be responsible for deviations in meeting shipping schedules nor for any losses or damages to Buyer (or any third person) occasioned by deviations in the performance or the non-performance of any of Seller's obligations under the contract or by loss of or damage to the products when caused directly or indirectly by or in any manner arising from any casualty, riot acts of Buyer, strikes or other labour difficulties, shortages of labour, supplies, and transportation facilities or any other similar or different cause or causes beyond its control or the control of its suppliers or subcontractor. Seller reserves the right to ship in advance of any buyer request dates, except those dates stipulated not before. Seller reserves the right to make shipment in lots. Upon shipment of each lot, Seller shall have the right to immediately invoice an appropriate portion of the total selling price.

Should shipment be held beyond scheduled date for the convenience of Buyer, the Seller reserves the right to bill immediately for the goods and to charge Buyer for all expenses incident to such delay.

TAXES

Seller's prices do not include any applicable sales, use, excise of similar taxes. If, under any law or governmental requisition the Seller is required to pay or collect any tax upon the products included in the order or predicated upon, measured by or arising from the sale, transportation, delivery, use of consumption of said products whether directly or indirectly, the price to be paid by the Buyer hereunder shall be increased by the amount of any such tax. Buyer agrees to pay such tax as part of the purchase price.

ADDITIONS AN/OR CHANGES

Buyer shall pay Sellers reasonable charges for changes in contract quantities, schedules, materials or services agreed to by Seller.

TERMINATION

In the event that Buyer terminated all or any portion of this order. Seller shall have the right to charge Buyer for all costs already incurred by Seller including the price of any goods or services required to fill this order already committed to by Seller and a reasonable allowance for overhead and profit.

CLAIMS, SHORTAGES, AND RISK OF LOSS

Any claims for loss, breakage or damage (obvious or concealed) are Buyer's responsibility and should be made to the carrier. Seller will render Buyer reasonable assistance in securing satisfactory adjustment of such claims.

Any notice of shortages or other errors must be made in writing to Seller within 15 days after receipt of shipment. Failure to give such notice shall constitute unqualified acceptance and a waiver of all claims by Buyer.

Risk of loss for damages to the products sold hereunder passes to Buyer upon delivery to the carrier, regardless of F.O.B. point. Title to the products sold hereunder passes to Buyer upon payment of the full purchase price.

WARRANTIES

The Seller warrants that the products covered by this contract conform to any applicable drawings and specifications accepted in writing by Seller and will be free from any defects in material and workmanship for a period of 12 months from the date of installation. If, within that period, the Seller receives from Buyer written notice of any alleged defect in or non-conformance of any product, and it, in the Seller's sole judgement the product does not confirm or is found to be defective in material or workmanship, then, Buyer shall, at Sellers request, return the part or product F.O.B. Sellers Factory, and Seller, at its option and expense, shall repair or replace the defective part or product or repay to Buyer the full price paid for such part or product by Buyer. Any repayment of purchase price shall be without interest. Seller's sole responsibility, and Buyer's exclusive remedy hereunder shall be limited to such repair, replacement, or repayment of the purchase price as above provided.

Component parts and accessories not of the Seller's manufacture are warranted only to the extent that they are warranted by the manufacturer's thereof.

THERE ARE NO OTHER WARRANTIES, EXPRESS, STATUTORY OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND OF FITNESS FOR PURPOSE; NOR ANY AFFIRMATION OF FACT OR REPRESENTATION WHICH EXTENDS BEYOND THE DESCRIPTION ON THE FACT HEREOF.

The warranties of Seller do not cover and Seller makes no warranty with respect to:

1. Failures not reported to Seller within the warranty period specified above;
2. Failure or damage due to misapplication, abuse, improper installation, abnormal conditions of temperature, water, dirt or corrosive matter;
3. Failures due to operation above rated capacities or in an otherwise improper manner;
4. Products which have been in any way tampered with or altered by anyone other than an authorized representative of Seller; and
5. Products damages in shipment or storage or otherwise without fault of Seller.

Claims for expense of Buyer relating in labour and/or material supplied by Buyer (commonly known as "Backcharges") will not be honored by Seller unless Buyer obtains the prior written consent of an officer of the Seller or authorized personnel at Sellers factory to supply such labour and/or material.

SHIPMENT AND DELIVERY

1. All material is sold F.O.B. Special Mine Services, Inc. point of shipment. Risk of loss and title pass to purchaser on delivery to the common carrier at S.M.S. at point of shipment. Shipment will be made by surface freight unless instructed to do otherwise by the customer.
2. For all individual orders from an authorized SMS distributor for a net total of \$3,000 or more, freight will be prepaid to any free delivery point on a common carrier in the continental United States or Canada. No freight allowed for orders under \$3,000. Such orders will be shipped freight collect. No freight allowance will be made on shipments forwarded collect at the request of the customer.
3. SMS will use its own discretion in routing all shipments upon which it assumes transportation charges. Where practical to do so, shipment will be made in any manner requested by the customer if the customer will assume the extra transportation cost.
4. Partial shipments made at customer's request must each total \$3,000 or more for prepaid transportation. No freight allowed for partial shipments under \$3,000. Such orders will be shipped freight collect, unless otherwise agreed. SMS may make partial shipments at its discretion, invoicing each shipment as it is made but on terms applicable to the complete order.
5. SMS will not assume, allow, or pay any charges for cartage.
6. Purchaser should inspect all materials upon receipt as all claims for damage, errors, or shortages, other than attributable to the transit handling, must be made by the purchaser within 30 days from receipt of shipment at destination. Failure to make such claims within a 30 day period shall constitute irrevocable acceptance of the material.
7. While every effort is made to ship as scheduled, any delay or failure to ship due to strikes, lockouts, fires, breakdowns, suppliers delays, lack of shipping space, lack of customer approval, correction or clarification of order, governmental acts or regulations, acts of God and any other circumstances beyond the control of SMS shall not be breach of contract.
8. Orders received with a "HOLD" (for release, for approval, etc.) are not processed for manufacture until release is given. Normal shipping times apply starting from time of release.

SELLER'S RIGHT TO MANUFACTURE

Seller in its sole discretion shall have the right to manufacture the products provided hereunder as far in advance of its estimated shipping schedule as it deems appropriate.

PATENT INDEMNITY

Seller agrees that it will indemnify Buyer for all damages or costs resulting from any suit or demand alleging infringement of any United States patent which claims the structure of the apparatus or any part thereof furnished by Seller under this proposal. If Seller is notified promptly in writing of such suit or demand and given adequate authority, information and assistance for the defense of name. Provided, however, that Seller at its own option and expense shall have the right to settle such suit or demand either by procuring for the Buyer the right to continue using the apparatus or part thereof furnished by Seller, or by replacing same with non-infringing apparatus; or by modifying same so that it becomes non-infringing; or by removing the alleged infringing apparatus and refunding the purchase price. This indemnification clause does not apply to any apparatus or part thereof made to the Buyers design or the design of which has been modified by the Buyer or to any process in which the apparatus may be used by the Buyer or to any product which may be produced by the use of the apparatus. As to any apparatus or part thereof made to the Buyers design or the design of which has been modified by the Buyer, the Buyer agrees that it will indemnify Seller for all damages or costs resulting from any suit or demand alleging infringement of any United States patent which claims the structure of such apparatus or any part thereof.

LIMITATION ON LIABILITY

Sellers responsibility for any claims, damages, losses or liabilities arising out of or related to its performance of this contract or the products covered hereunder shall not exceed the purchase price. In no event shall Seller be liable for any special, indirect, incidental or consequential damages of any character: including, but not limited to, loss of use of productive facilities or equipment, lost profits, property damage, expenses incurred in reliance on Seller's performance hereunder, or lost production, whether suffered by Buyer or any third party. Seller disclaims all liability for any and all costs, claims, demands, charges, expenses, or other damages, either direct or indirect, incident to all property damages arising out of any cause of action based on strict liability.

MODIFICATION, RECISION AND WAIVER

This contract may not be modified or rescinded nor any of its provisions waived unless such modification, recision or waiver is in writing and signed by an authorized employee of Seller at its factory.

MISCELLANEOUS

Seller reserves the right to furnish substitutes for materials which cannot be reasonably obtained because of any restrictions, voluntarily or compulsorily established by or in connection with any governmental authority or program. Seller may during any periods of shortage due to causes beyond the control of Seller or its suppliers, prorate its supply of products among all of its Buyer's in such manner as may be deemed equitable in the sole judgement of Seller. Seller shall not incur any liability to Buyer because of any proration hereunder.

All orders must be accepted by an authorized employee of Seller at its factory. The rights and duties of the parties and construction and effect of all provisions hereof shall be governed by and construed according to the internal laws of the Commonwealth of Pennsylvania.

Failure of Seller to insist in any one or more instances upon the performance of and of the terms and conditions of this contract or the failure of Seller to exercise any of its rights hereunder shall not be construed as a waiver or relinquishment of any such term, condition, or right hereunder and shall not affect Seller's right to insist upon strict performance and compliance with regard to any unexecuted portions of this contract or future performances of these terms and conditions.

NUCLEAR SALES

The products sold hereunder are not designed or manufactured for use in or with any atomic installation or activity. If the Buyer or ultimate user of these products intends to use them in such an installation or activity, Seller's Nuclear Terms of Sale shall be a part of and control this contract. Seller will furnish Buyer with a copy of its Nuclear Terms of Sale upon request.



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SMS OFFICE LOCATIONS

Sales & Technical Support

USA: 618-937-8333
Fax: 847-656-5094

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West Frankfort, IL 62896
Tel: 618-932-2151
Fax: 618-937-2715

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Petersburg, IN 47567
Tel: 812-354-9104
Fax: 812-354-2176

Kentucky

2180 Highway 70 West,
Central City, KY 42330
Tel: 270-754-9911
Fax: 270-754-9894

CANADIAN OFFICE • TORONTO

Sales & Technical Support

Canada: 416-710-0965
Fax: 847-656-5094

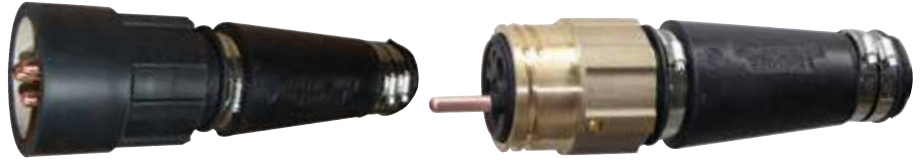
WWW.SMSCONNECTORS.COM



Molded Electrical Connectors for the Mining, Tunneling, and Industry

UNI-LOCK

#8 through 500 MCM
Up to 1000V/625 Amps



OVAL

Two through Five Contacts
#14 to #2/0 AWG
Up to 600V/95 Amps



PUSH LOCK

Single Contact
#2 through 750 MCM
600V to 5000V/540 Amps



CHANGE OUT

Two through Nine Contacts
#18 to #10 AWG
Up to 600V/25 Amps



ROUND

One to 24 Contacts
#18 to #4/0 AWG
Up to 5000V/235 Amps



RAMP POWER

#4 to #4/0 AWG
Up to 600V/180 Amps



Uni-Lock Lever-Action Connectors for Mining, Tunneling, and Industry

UNI-LOCK LEVER-ACTION CONNECTORS

STANDARD FEATURES

- Unique Connector Back and D-style Pins Prevent Arcing
- Larger and Longer Set Screws Prevent Barrel Fall-Through
- All Rubber Connector - Will Not Go Out of Round
- Engages Mechanically - Eliminates Couplers Seizing Together
- Single-Barrel Pilot Pins with Two Set Screws
- Flexible Ground Pin
- Two Grommets with O-ring Seals
- Silver-Plated Contact Pins
- Six-fingered Female Contact Pin for Positive Contact with Male Pin
- Rough Interior Surface Secures Wire
- Connectors are Water and Dust Tight when Engaged

(The above features are available only on SMS Connectors)



UNI-LOCK LEVER ACTION JUMPER ASSEMBLY

Lever Action Jumper Assembly Provides Both Old Style and New Style Connectors
Thus Eliminating Costly Change-Over from Brass Connector to New, All Rubber Connector.

STANDARD FEATURES

- Unique Molded Assembly - Maintenance Free
- Connectors are Water and Dust Tight when Engaged
- Engages Mechanically - Eliminates Couplers Seizing Together
- Manganese Bronze Connector Provides Immediate Connect
- Two O-ring Seals in Manganese Bronze Casting
- All Rubber Connector - Will Not Go Out of Round
- Flexible Ground Pin
- Silver-Plated Contact Pins
- Six-Fingered Female Contact Pin for Positive Contact with Male Pin

(The above features are available only on SMS Connectors)



8340 Series Uni-Lock Lever-Action Connectors

STANDARD FEATURES

- Available only on SMS Connectors
- Unique connector back and D-style pins prevent arcing
- Longer set screws prevent barrel fall-through
- All-rubber connector wall not go out-of-round
- Engages mechanically - eliminates couplers seizing together
- Single-barrel pilot pins with two set screws
- Flexible ground pin
- Two grommets with O-ring seals
- Six-fingered female contact pin for positive contact
- Connectors are water and dust tight when engaged



CSA
Certified
750 Volts
(SMS rated at 1,000 Volts)

APPLICATIONS

Mining

- Shuttle cars
- Cutting machines
- Distribution boxes
- Drills

Industry

- Large motors/test stands for checking motors
- Lockable hookup to large portable equipment
- Steel mills/power for locomotion equipment

Military

- Ship-to-shore power

Railroad

- Car-to-car power

Uni-Lock Lever-Action Connector

3 Power / 1 Ground: 1 or 2 Pilots: 1000V 4X RATED

Maximum Cable AWG	Connector Rating AMPS	Cable Attachment		Panel Mount		Color	Protective Caps	
		Male	Female	Male	Female		Male	Female
8	75	8343-501 or 2	8343-401 or 2	8343-1601 or 2	8343-1201 or 2	Blue	3325656-201	3325656-101
4	125	8344-501 or 2	8344-401 or 2	8344-201 or 2	8344-101 or 2	Red	3325656-401	3325656-301
2	160	8345-501 or 2	8345-601 or 2	8345-1501 or 2	8345-1001 or 2	Black	3325656-601	3325656-501
2/0	225	8346-201 or 2	8346-101 or 2	8346-1301 or 2	8346-801 or 2	Black	3325656-801	3325656-701
4/0	325	8347-201 or 2	8347-101 or 2	8347-1301 or 2	8347-801 or 2	Black	3325656-1001	3325656-901

Part No.	Maximum Cable AWG	Connector Rating		Description	Colors
		Volts	Amps		
8348-301	400MCM	1000	500	Male Cable Attachable	Black / Blue Green / Orange Red / White Yellow
8348-201	400MCM	1000	500	Female Cable	
8348-1001	400MCM	1000	500	Male Panel Mount	
8348-701	400MCM	1000	500	Female Panel Mount	

Protective Caps: Part No.
3325656-1201
3325656-1101
8348-8

Description
Female Cap to fit a Male Connector
Male Cap to fit a Female Connector
Pilot Short Circuiting Cap - for Female Panel Mount

Select grommet that adapts I.D. of sleeve (supplied on plug) to O.D. of cable being used.

Connector Sleeve No.	O.D. Cable Range (no grommet)	O.D. Cable Range Grommet No.	O.D. Cable Range Grommet No.	O.D. Cable Range Grommet No.	O.D. Cable Range Grommet No.	O.D. Cable Range Grommet No.
8343 No. 325298	1.500 → 1.250	1.250 → 1.000 No. 313305-1	1.000 → .750 No. 313305-2	.750 → .562 No. 313305-3	---	---
8344 No. 325292	1.813 → 1.562	1.562 → 1.312 No. 313327-1	1.312 → 1.062 No. 313327-2	1.062 → .812 No. 313327-3	.812 → .625 No. 313327-4	---
8345 No. 325286	2.000 → 1.812	1.812 → 1.625 No. 324044-1	1.625 → 1.437 No. 324044-2	1.437 → 1.250 No. 324044-3	1.250 → 1.062 No. 324044-4	---
8346 No. 325245	2.375 → 2.125	2.125 → 1.937 No. 324153-1	1.937 → 1.750 No. 324153-2	1.750 → 1.562 No. 324153-3	1.562 → 1.375 No. 324153-4	---
8347 No. 325271	2.937 → 2.625	2.625 → 2.312 No. 324089-1	2.312 → 2.000 No. 324089-2	2.000 → 1.812 No. 324089-3	---	---
8348 No. 325305	3.281 → 3.000	3.000 → 2.812 No. 324024-4	2.812 → 2.625 No. 324024-5	2.625 → 2.531 No. 324024-6	2.531 → 2.312 No. 324024-2	2.312 → 2.125 No. 324024-3

Mag Series Electrical Connectors

With pride we introduce a new series of electrical connectors to the mining and industrial markets.

FEATURES

Made of high-density rubber resulting in a more durable, longer lasting, and “user-friendly” connector. Amps designated by different colors.

Specifications

- 1000 volts
- 30/60/100 amps (color coded)
- Complete with two grommets
- 3 phase
- 1 ground
- 1 pilot



Virtually Indestructible!

Part No.	Cable	Amps	Description	Color
Mag30-1501	#8 3C/GGC	30	Female Panel Mount Insert	Blue
Mag30-1601	#8 3C/GGC	30	Male Panel Mount Insert	
Mag30-101	#8 3C/GGC	30	Female Panel Mount	
Mag30-201	#8 3C/GGC	30	Male Panel Mount	
Mag30-401	#8 3C/GGC	30	Female Cable Attachable	Red
Mag30-501	#8 3C/GGC	30	Male Cable Attachable	
Mag60-1501	#4 3C/GGC	60	Female Panel Mount Insert	
Mag60-1601	#4 3C/GGC	60	Male Panel Mount Insert	
Mag60-101	#4 3C/GGC	60	Female Panel Mount	Black
Mag60-201	#4 3C/GGC	60	Male Panel Mount	
Mag60-401	#4 3C/GGC	60	Female Cable Attachable	
Mag60-501	#4 3C/GGC	60	Male Cable Attachable	
Mag100-1501	#1 3C/GGC	100	Female Panel Mount Insert	Black
Mag100-1601	#1 3C/GGC	100	Male Panel Mount Insert	
Mag100-101	#1 3C/GGC	100	Female Panel Mount	
Mag100-201	#1 3C/GGC	100	Male Panel Mount	
Mag100-401	#1 3C/GGC	100	Female Cable Attachable	Black
Mag100-501	#1 3C/GGC	100	Male Cable Attachable	

Products for the Mining, Tunneling, and Industrial Markets

Electrical Products

Cable Hangers
J-Hooks
Cable Cutters (H.K. Porter)
Cable Fault Locator and Tracers
High Voltage Gloves
Testing Plugs and Plug Repair
Cable Grips (Kellems)
Trolley Hardware (Phoenix)
Ground Check and Fault Monitors:
(AMR/Pemco/MCI)
String-A-Lights
Tie Wire
Belt Monitoring (Ensign/AMR)
Belt Switches (Conkie/Hawkeye)
Limit Switches (Cutter-Hammer)
Lighting Systems (SMC)
Coax Connectors
Vacuum Load Break Switches (SMC)
Connectors:
Woodhead/Burndy/T&B/3M/Amp/
Panduit
Low Voltage Connectors:
MCI/SMS Uni-Lock/P.D.P./Ensign
Victor

Electrical Cable

Bare Copper and Aluminum
Trolley Wire
Blasting Wire and Shot
S.O. Cords
Bore Hole Cable
Armoured Cable
Monitor and Sensor Cables
Computer Cables
Shuttle Car
Continuous Miner Cable
Shovel Cable
Pump Cable
Remote Drill Cord
Jumper Cable
Welding Cable
Loaders-Cutters-Drills
Locomotive Cable
Longwall Cable
Military Specifications
Mine Power Feeder
Traffic Signal
Communication
Building Wire
Portable Control Cables
Power Cable

Electrical Cable Manufacturers

BICC Cablec
Larabee Powerflex
Essex
Royal
Carol
A.I.W.
General
Prestolite
Service Wire

Cable Services

High and Low Voltage Reconditioned
Coupler Installation
Molded Pot Heads
Stress Cones
Jacket Patches
Reinsulation
Railbonds
Cable Splicing

Splice Kits

Plymouth
AMP
3M
RMS
MPI
RAYCHEM

Cable Repair Supplies

Plymouth - Tapes/Shielding Braid
Okonite - Tape/Splicing Cement
3M - Tape/Braid/Lugs
Rice Shielding Braid
Cable Jigs
Molds
Vulcanizers

Other Fine Products And Services

Exide Batteries
Douglas Batteries
Sounding Rods
Mine Sealant
Mine Ventilation Products
Mine Battery Repair
Battery Chargers
Pumps
Cable Guards

SMS OFFICE LOCATIONS

Sales & Technical Support

USA: 618-937-8333
Fax: 847-656-5094

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PO Box 188,
West Frankfort, IL 62896
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Fax: 618-937-2715

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Fax: 812-354-2176

Kentucky

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Central City, KY 42330
Tel: 270-754-9911
Fax: 270-754-9894

CANADIAN OFFICE • TORONTO

Sales & Technical Support

Canada: 416-710-0965
Fax: 847-656-5094

WWW.SMSCONNECTORS.COM



Lever Action Jumper Assembly

Lever action jumper assembly provides both old style and new style connectors thus eliminating costly change-over from brass connector to new, all-rubber connector.

Standard Features

- **Unique molded assembly** - free of maintenance
- Connectors are water - and dust-tight when engaged
- Engages mechanically - eliminates couplers seizing together
- Manganese bronze connector provides immediate connect
- Two O-ring seals in manganese bronze casting
- All rubber connector - will not go out of round
- Flexible ground pin
- Silver-plated contact pins
- Six-fingered female contact pin for positive contact with male pin

(The above features are available only on SMS Connectors)



Registration
No. LR94115-2

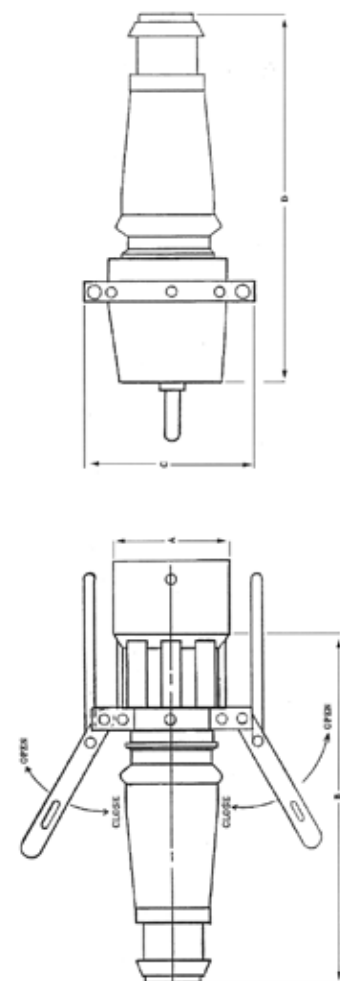
PART NUMBERS

Maximum Cable AWG	Connector Rating (750V) AMP	Unilock/Quicklock Male Series (old style)	SMS Jumper Assembly (connects)	Lever Action Female Series (new style)
8	75	8343-5M or 16M	← A43-FM →	8343-401F or 1201F
4	125	8344-5M or 2M	← A44-FM →	8344-401F or 101F
2	160	8345-5M or 15M	← A45-FM →	8345-601F or 1001F
2/0	225	8346-2M or 13M	← A46-FM →	8346-101F or 801F
4/0	325	8347-2M or 13M	← A47-FM →	8347-101F or 801F
400MCM	500	8348-3M or 10M	← A48-FM →	8348-201F or 701F
Maximum Cable AWG	Connector Rating (750V) AMP	Unilock/Quicklock Feale Series (old style)	SMS Jumper Assembly (connects)	Lever Action Male Series (new style)
8	75	8343-4F or 12F	← A43-MF →	8343-501M or 1601M
4	125	8344-4F or 1F	← A44-MF →	8344-501M or 201M
2	160	8345-6F or 10F	← A45-MF →	8345-501F or 1501M
2/0	225	8346-1F or 8F	← A46-MF →	8346-201M or 1301M
4/0	325	8347-1F or 8F	← A47-MF →	8347-201M or 1301M
400MCM	500	8348-1F or 7F	← A48-MF →	8348-301M or 1001M

Uni-Lock Lever-Action Connectors



With Adobe Acrobat, select **View > Rotate View** (from the top menu) to rotate pages 90°.



These are connector ratings only.
Operating ratings must be based on
cable capacity.



Max. Cable AWG	Connector Rating (750V) AMP	Cable Attachment		Color	Dimensions			Panel Mount		Dimensions							
		Male	Female		A	B	C	D	Male	Female	A	B	C	D	E	F	
Power and 1 Ground with single pilot contact																	
8	75	8343-501	8343-401	Blue	4 1/2	14 1/2	6	13 3/4	8343-1601	8343-1201	2 3/8	3 3/8	2 3/4	9/32	5	4	
4	125	8344-501	8344-401	Red	4 1/2	14 1/2	6	13 3/4	8344-201	8344-101	2 5/8	3 5/8	2 7/8	9/32	5	4 1/2	
2	160	8345-501	8345-601	Black	4 1/2	14 1/2	6	13 3/4	8345-1501	8345-1001	2 15/16	4	3 5/16	9/32	5 1/8	4 15/16	
2/0	225	8346-201	8346-101	Black	4 7/8	14	6	14 1/4	8346-1301	8346-801	3 3/8	4 1/2	3 9/16	11/32	6 1/4	6	
4/0	325	8347-201	8347-101	Black	5	20	6 1/2	20	8347-1301	8347-801	4 1/2	6	4 13/16	13/32	6 1/4	6	
400MCM	500	8348-301	8348-201	Black	6 1/2	21 1/4	10 3/4	25 3/4	8348-1001	8348-701	5	7 1/4	5 7/8	17/32	8 5/8	6 1/2	
3 Power and 1 Ground with 2 pilot contacts																	
8	75	8343-502	8343-402	Blue	4 1/2	14 1/2	6	13 3/4	8343-1602	8343-1202	2 3/8	3 3/8	2 3/4	9/32	5	4	
4	125	8344-502	8344-402	Red	4 1/2	14 1/2	6	13 3/4	8344-202	8344-102	2 5/8	3 5/8	2 7/8	9/32	5	4 1/2	
2	160	8345-502	8345-602	Black	4 1/2	14 1/2	6	13 3/4	8345-1502	8345-1002	2 15/16	4	3 5/16	9/32	5 1/8	4 15/16	
2/0	225	8346-202	8346-102	Black	4 7/8	14	6	14 1/4	8346-1302	8346-802	3 3/8	4 1/2	3 9/16	11/32	5 5/15	4 15/16	
4/0	325	8347-201	8347-102	Black	5	20	6 1/2	20	8347-1306	8347-802	4 1/2	6	4 13/16	13/32	6 1/4	6	
3 Power and 1 Ground with 3 pilot contacts																	
8	75	8343-503	8343-403	Blue	4 1/2	14 1/2	6	13 3/4	8343-1603	8343-1203	2 3/8	3 3/8	2 3/4	9/32	5	4	
4	125	8344-503	8344-403	Red	4 1/2	14 1/2	6	13 3/4	8344-203	8344-103	2 5/8	3 5/8	2 7/8	9/32	5	4 1/2	
2	160	8345-503	8345-603	Black	4 1/2	14 1/2	6	13 3/4	8345-1503	8345-1003	2 15/16	4	3 5/16	9/32	5 1/8	4 15/16	
2/0	225	8346-203	8346-103	Black	4 7/8	14	6	14 1/4	8346-1303	8346-803	3 3/8	4 1/2	3 9/16	11/32	5 5/15	5 1/16	
4/0	325	8347-203	8347-103	Black	5	20	6 1/2	20	8347-1303	8347-803	4 1/2	6	4 13/16	13/32	6 1/4	6	

Uni-Lock Lever-Action Protective Caps, Panel Mounts & 45° Mounts



Pro caps with Stainless Steel Turn Buckles, ADD SSTB to the part number indicated

Protective Caps		Panel Mounts		Panel Mount Shells		Panel Mount Inserts		45° Mount
Male	Female	Male	Female	Male	Female	Male	Female	
3 Power and 1 Ground with single pilot contact								
3325656-201	3325656-101	8343-1601	8343-1201	A-324289LA	324088LA	8343-601	8343-101	4543
3325656-401	3325656-301	8344-201	8344-101	A-324063LA	324063LA	8344-1601	8344-1501	4544
3325656-601	3325656-501	8345-1501	8345-1001	A-324119LA	324093LA	8345-201	8345-101	4545
3325656-801	3325656-701	8346-1301	8346-801	A-324232LA	324059LA	8346-1601	8346-1501	4546
3325656-1001	3325656-901	8347-1301	8347-801	A-324166LA	324094LA	8347-1601	8347-1501	N/A
3325656-1201	3325656-1101	8348-1001	8348-201	324095LA	324065LA	8348-401	8348-501	N/A
3 Power and 1 Ground with 2 pilot contacts								
3325656-201	3325656-101	8343-1602	8343-1202	A-324289LA	324088LA	8343-602	8343-102	4543
3325656-401	3325656-301	8344-202	8344-102	A-324063LA	324063LA	8344-1602	8344-1502	4544
3325656-601	3325656-501	8345-1502	8345-1002	A-324119LA	324093LA	8345-202	8345-1012	4545
3325656-801	3325656-701	8346-1302	8346-802	A-324232LA	324059LA	8346-1602	8346-1502	4546
3325656-1001	3325656-901	8347-1306	8347-802	A-324166LA	324094LA	8347-1602	8347-1502	N/A
3325656-1201	3325656-1101	8348-1002	8348-202	324095LA	324065LA	8348-402	8348-502	N/A
3 Power and 1 Ground with 3 pilot contacts								
3325656-201	3325656-101	8343-1603	8343-1203	A-324289LA	324088LA	8343-603	8343-103	4543
3325656-401	3325656-301	8344-203	8344-103	A-324063LA	324063LA	8344-1603	8344-1503	4544
3325656-601	3325656-501	8345-1503	8345-1003	A-324119LA	324093LA	8345-203	8345-103	4545
3325656-801	3325656-701	8346-1303	8346-803	A-324232LA	324059LA	8346-1603	8346-1503	4546
3325656-1001	3325656-901	8347-1303	8347-803	A-324166LA	324094LA	8347-1603	8347-1503	N/A
3325656-1201	3325656-1101	8348-1003	8348-203	324095LA	324065LA	8348-403	8348-503	N/A

These are connector ratings only.

Operating ratings must be based on cable capacity.

Uni-Lock Connectors 3/4 Turn Lock



750 Volts

STANDARD FEATURES

- Attachable to customer's cable
- Available with/without pilot pins
- Full line of plugs and receptacles
- All parts thoroughly insulated and/or grounded
- Lockable against accidental disconnect
- Water-tight
- Meet mine Health and Safety Standards

PARAMETERS

- Three or four pins with/without pilot contacts
- Number 8 through 500 MCM
- Up to 1000 volts/625 amps

APPLICATIONS

MINING

- Shuttle Cars
- Cutting Machines
- Drills
- Distribution boxes

INDUSTRY

- Large motors-test stands for checking motors
- Locable hookup for large portable equipment
- Steel Mills-provide power for locomotion equipment

MILITARY

- Provide ship-to-shore power

RAILROAD

- Carry power from car-to-car



Male
Panel Mount



Female
Panel Mount



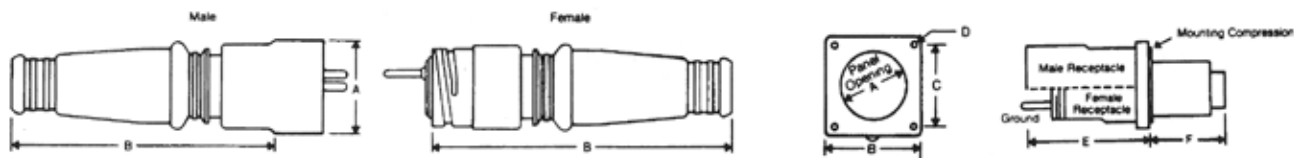
Male
Cable Attachable



Female
Cable Attachable



Uni-Lock Connectors



Max. Cable AWG	Connector Rating (750V) AMP	Cable Attachment		Dimensions		Panel Mount		Dimensions					
		Male	Female	A	B	Male	Female	A	B	C	D	E	F
2 Power and 1 Ground with pilot contacts													
8	75	8329-2	8329-1	3 5/8	11 11/16	8329-15	8329-10	2 3/8	3 3/8	2 3/4	9/32	5	4
4	125	8330-3	8330-4	3 5/8	11 13/16	8330-16	8330-12	2 3/8	3 3/8	2 3/4	9/32	5	4
2	160	8331-1	8331-4	3 5/8	13 1/16	8331-15	8331-11	2 5/8	3 5/8	2 7/8	9/32	5	4 1/2
2/0	225	8332-1	8332-8	4 1/16	14 1/16	8332-16	8332-13	2 15/16	4	3 5/16	9/32	5 1/8	4 15/16
4/0	325	8333-4	8333-3	4 5/8	13 15/16	8331-15	8331-1	3 3/8	4 1/2	3 9/16	11/32	5 5/16	5 1/16
400MCM	500	8334-2	8334-1	6	19 7/16	8334-15	8334-10	4 1/2	6	4 13/16	13/32	6 1/4	6
500MCM	625	8335-1	8335-2	6 3/4	22 1/8	8335-8	8335-4	5	7 1/4	5 7/8	17/32	8 5/8	6 1/2
3 Power and 1 Ground with no pilot contacts													
8	75	8336-3	8336-2	3 5/8	11 13/16	8336-13	8336-8	2 3/8	3 3/8	2 3/4	9/32	5	4
4	125	8337-3	8337-4	3 5/8	11 13/16	8337-14	8337-11	2 3/8	3 3/8	2 3/4	9/32	5	4
2	160	8338-2	8338-3	3 7/8	13 1/16	8338-13	8338-8	2 5/8	3 5/8	2 7/8	9/32	5	4 1/2
2/0	225	8339-1	8339-2	4 1/16	14 1/16	8339-13	8339-3	2 15/16	4	3 5/16	9/32	5 1/8	4 15/16
4/0	325	8340-5	8340-4	4 5/8	13 13/16	8340-2	8340-10	3 3/8	4 1/2	3 9/16	11/32	5 5/15	5 1/16
300MCM	425	8341-2	8341-1	6	19 7/16	8341-13	8341-9	4 1/2	6	4 13/16	13/32	6 1/4	6
3 Power and 1 Ground with 2 pilot contacts													
8	75	8343-5	8343-4	3 5/8	11 13/16	8343-16	8343-12	2 3/8	3 3/8	2 3/4	9/32	5	4
4	125	8344-5	8344-4	3 7/8	13	8344-2	8344-1	2 3/8	3 5/8	2 7/8	9/32	5	4 1/2
2	160	8345-5	8345-6	4 3/16	14 1/16	8345-15	8345-10	2 15/16	4	3 5/16	9/32	5 1/8	4 15/16
2/0	225	8346-2	8346-1	4 5/8	13 13/16	8346-13	8346-8	3 3/8	4 1/2	3 9/16	11/32	5 5/16	5 1/16
4/0	325	8347-2	8347-1	6	19 9/16	8347-13	8347-8	4 1/2	6	4 13/16	13/32	6 1/4	6
400MCM	500	8348-3	8348-2	6 3/4	22 3/8	8348-10	8348-7	5	7 1/4	5 7/8	17/32	8 5/8	6 1/2

These are connector ratings only.

Operating ratings must be based on cable capacity.

Uni-Lock Protective Caps & Panel Mounts



Protective Cape		Panel Mount Shells		Panel Mount Inserts		Pilot Short Circuiting Cap For Female Receptacle
Male	Female	Male	Female	Male	Female	
2 power and 1 ground with pilot contacts						
3325656-2	3325656-1	A-324289	324088	8329-4	8329-5	8329-3
3325656-2	3325656-1	A-324289	324088	8330-5	8330-6	8330-7
3325656-4	3325656-3	A-324289	324063	8331-5	8331-3	8331-6
3325656-6	3325656-5	A-324119	324093	8332-7	8332-5	8332-9
3325656-8	3325656-7	A-324232	324088	8333-6	8333-5	8333-12
3325656-10	3325656-9	A-324166	324094	8334-3	8334-4	8334-5
3325656-12	3325656-11	A-324095	324065	8355-11	8355-10	8335-6
3 power and 1 ground with no pilot contacts						
3325656-2	3325656-1	A-324289	324088	8336-4	8336-1	
3325656-2	3325656-1	A-324289	324088	8337-6	8337-7	
3325656-4	3325656-3	A-324289	324063	8338-4	8338-1	
3325656-6	3325656-5	A-324119	324093	8339-6	8339-5	
3325656-8	3325656-7	A-324232	324088	8340-3	8340-6	
3325656-10	3325656-9	A-324166	324094	8341-3	8341-4	
3 conductor and 1 ground with 2 pilot contacts						
3325656-2	3325656-1	A-324289	324088	8343-6	8343-1	8343-7
3325656-4	3325656-3	A-324357	324063	8344-16	8344-15	8344-6
3325656-6	3325656-5	A-324119	324093	8345-2	8345-1	8345-3
3325656-8	3325656-7	A-324232	324059	8346-16	8346-15	8346-3
3325656-10	3325656-9	A-324116	324094	8347-16	8347-15	8347-3
3325656-12	3325656-11	324095	324065	8348-4	8348-5	8348-8

Uni-Lock Connectors • Grommets / Sleeves



SLEEVES & GROMMETS

Listed below are the Sleeve and Grommet Part Numbers which are supplied with each Plug.

Plug	Sleeve	Grommet #1	Grommet #2	Grommet #3	Plug	Sleeve	Grommet #1	Grommet #2	Grommet #3
8323	325298	313305-1	313305-2	313305-5	8336	325298	313305-2	-----	-----
8324	325298	313305-1	313305-2	313305-5	8337	325298	313305-1	313305-2	-----
8325	325292	313327-1	313327-2	313327-7	8338	325292	313327-1	313327-2	-----
8326	325245	324153-1	324153-2	324153-6	8339	325286	324044-1	324044-2	-----
8327	325271	324089-1	324089-2	-----	8340	325245	324153-1	324153-2	-----
8329	325298	313305-2	-----	-----	8341	325271	313089-1	313089-2	-----
8330	325298	313305-1	313305-2	313305-5	8343	325298	313305-2	-----	-----
8331	325292	313327-2	313327-3	313327-6	8344	325292	313327-2	313327-3	-----
8332	325286	324044-1	324044-2	324044-5	8345	325286	324044-3	324044-4	-----
8333	325245	324153-1	324153-2	324153-6	8346	325245	324153-2	324153-3	-----
8334	325271	324089-1	324089-2	-----	8347	325271	324089-2	324089-3	-----
8335	325305	324024-4	324024-5	-----	8348	325305	324024-4	324024-5	-----

FOR ROUND CABLE

Select Grommet that adapts I.D. of sleeve (supplied on plug) to O.D. of cable being used.

Sleeve Part Number	Fits Cable (w/o Grommet) From To		Extension Range Of "Adaptor Grommets" For Sleeves Listed At Left									
			Grommet Number	Range	Grommet Number	Range	Grommet Number	Range	Grommet Number	Range	Grommet Number	Range
325298	1.500	1.250	313305-1	1.250 1.000	313305-2	1.000 .750	313305-3	.750 .562	-----	-----	-----	-----
325292	1.813	1.562	313327-1	1.562 1.312	313327-2	1.312 1.062	313327-3	1.062 .812	313327-4	.812 .625	-----	-----
325286	2.000	1.812	324044-1	1.812 1.625	324044-2	1.625 1.437	324044-3	1.437 1.250	324044-4	1.250 1.062	-----	-----
325245	2.375	2.125	324153-1	2.125 1.937	324153-2	1.937 1.750	324153-3	1.750 1.562	324153-4	1.562 1.375	-----	-----
325271	2.937	2.625	324089-1	2.625 2.312	324089-2	2.312 2.000	324089-3	2.000 1.812	-----	-----	-----	-----
325305	3.281	3.000	324024-4	3.000 2.812	324024-5	2.812 2.625	324024-6	2.625 2.531	324024-2	2.531 2.312	324024-3	2.312 2.125

FOR TWIN & TWIN "G" CABLE

Select Grommet that adapts I.D. of sleeve (supplied on plug) to O.D. of cable being used.

(**) Wire Size	#8		#6		#4		#3		#2		#1		#1/0		#2/0		#3/0		#4/0					
Cable Dimensions	.51 x .84	.51 x .92	.56 x .93	.56 x 1.02	.61 x 1.05	.61 x 1.15	.68 x 1.14	.68 x 1.26	.73 x 1.24	.73 x 1.35	.81 x 1.40	.81 x 1.55	.93 x 1.51	.93 x 1.67	.99 x 1.63	.99 x 1.85	1.03 x 1.77	1.03 x 2.00	1.10 x 1.89	1.10 x 2.10				
Sleeve	Part Nos. On Grommets																							
325298	313305-4						313305-5																	
325292							313327-6						313327-7											
325286																	324044-5							
325245																					324153-5		324153-6	

(**) Major and minor axis of "Twin W" and "Twin G" type cables.

Round Connectors

STANDARD FEATURES

- Wide Range of Styles
- Various Type of Polarization
- Can be Supplied with any Cable Length
- Easy to Handle and Install
- Will Not Distort or Shatter
- Full Line of Plugs and Receptacles
- Non-interchangeable outside of its own series
- Easy Connectin and Disconnection
- Spring-loaded Covered Receptacles

PARAMETERS

- 1 to 24 Contacts
- Number 18 through 4/0 AWG
- Up to 5000 volts/235 amps

APPLICATIONS

LIGHTING OPERATIONS

- Camera Equipment, Monitoring Equipment
- Lighting on Cranes and Shovels, etc.
- Lighting, Industrial Buildings
- Studio Lighting
- Railroad Car Connectors
- Military Vehicles

INDUSTRIAL

- Mining Machinery - Used for Control Circuitry on Power Centres and Distribution Boxes
- Mining - Control Circuits on Distribution Panels
- Barges - Ballast Controls
- Post Office Sorting Machines
- Run-Out Tables - Steel Mills and Foundries
- Small Boiler Equipment
- Pumps & Paper Mills



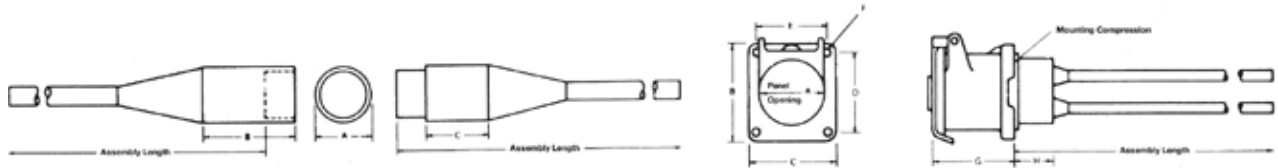
Cable Size	Amp Rating	Lead Length	Male	Female	Male Chainlock	Female Chainlock
Single Conductor Connectors (600 VOLT)						
10	25	15	8000-1	8000-2	8000-7	8000-6
8	45	15	8001-1	8001-2	8001-11	8001-6
6	60	15	8002-1	8002-2	8002-3	8002-4
2	95	15	8003-1	8003-2	8003-14	8003-9
2	110	18	8004-3	8004-4	8004-1	8004-2
1	130	18	8005-2	8005-1	8005-11	8005-5
2/0	175	18	8006-1	8006-2	8006-17	8006-6
4/0	235	18	8007-2	8007-1	8007-14	8007-11

5KV and 8KV connectors available on request.

These are connector ratings only.

Operating ratings must be based on cable capacity.

Round Connectors



DATA

PLUG

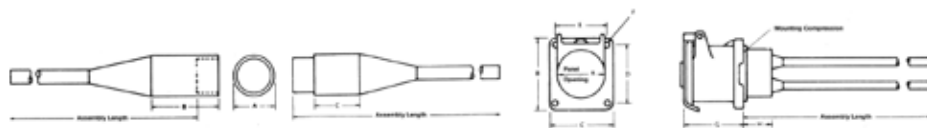
RECEPTACLE

No. of Cont.	ELECTRICAL DATA				Description		PART NUMBERS		Assembly Length	DIMENSIONS (Approx. Inches)			PART NUMBERS				Assembly Length	DIMENSIONS (Approx. Inches)							
	#8	#8	#8	#8	Polarized By	Type of Seal	Male	Female		A	B	C	Without Covers	With Covers	Male	Female		A	B	C	D	E	F	G	H
2	14	SO	15	600	Pin Size	Female Shroud	8083-1 8083-26	8083-2 8083-29	28" 10"	1	7/8	1 3/4	8083-14	8083-11			Term. Back	1	1 7/8	1 7/8	1 3/8	1 3/8	1/4	1 3/8	3/8
	14	SO	15	600	Non Polar	Female Shroud	8079-1 8079-55	8079-2 8079-57	28" 10"	1	1 1/2	2	8079-7	8079-15			Term. Back	1	1 7/8	1 7/8	1 3/8	1 3/8	7/32	1 1/4	15/16
	12	SO	20	600	Pin Size	Female Shroud	8437-33 8437-50	8437-32 8437-51	28" 10"	1 1/4	2 5/8	3 1/4			8437-38	8437-37	14"	1 1/4	2	2	1 1/2	1 1/2	7/32	2 1/4	3/4
	12	SO	20	600	Pin Size	Female Shroud	8405-163 8405-165	8405-166 8405-168	28" 10"	1	7/8	1 3/4	8083-14	8083-11			Term. Back	1	1 7/8	1 7/8	1 3/8	1 3/8	1/4	1 3/8	3/8
	18	SO	7	600	Pin Size	Full Male Shroud	8634-6 8634-52	8634-5 8634-54	28" 10"	13/16	2	1 5/16	8634-8	8634-7			14"	13/16	1 5/8	1 5/8	1 1/8	1 1/8	1/4	1 5/16	11/16
3	16	SO	10	600	Pin Size	Full Male Shroud	8107-1 8107-113	8107-2 8107-115	28" 10"	1 1/4	2 5/16	2 1/16			8107-16	8107-12	Term. Back	1 1/4	2	2	1 1/2	1 1/2	7/32	2 7/16	11/16
	14	SO	15	600	Pin Size	Full Male Shroud	8108-3 8108-107	8108-1 8108-109	28" 10"	1 1/4	2 3/16	1 5/8	8108-8	8108-6			Term. Back	1 1/4	2 1/2	2 1/2	1 7/8	1 7/8	9/32	1 5/8	5/8
	12	SO	20	600	Central Key	Full Male Shroud	8118-1 8118-63	8118-4 8118-65	28" 10"	1 5/8	2 3/4	2			8118-11	8118-22	14"	1 3/4	2 1/2	2 1/4	2	1 3/4	7/32	2 3/16	1

These are connector ratings only.

Operating ratings must be based on cable capacity.

Round Connectors



DATA

PLUG

RECEPTACLE

**4
POLE**

ELECTRICAL DATA						Description		PART NUMBERS		Assembly Length	DIMENSIONS (Approx. Inches)			PART NUMBERS				Assembly Length	DIMENSIONS (Approx. Inches)							
No. of Cont.	#8 AWG	#8 TYPE	#8 AMP	#8 VOLTS	Polarized By	Type of Seal		Male	Female		A	B	C	Without Covers Male	Without Covers Female	With Covers Male	With Covers Female		A	B	C	D	E	F	G	H
4	18	SO	5	600	Pin Size	Fem. Shroud		8086-3 8086-27	8086-4 8086-29	28" 10"	7/8	1 1/2	2	8086-14	8086-8			14"	7/8	1 3/4	1 3/4	1 1/4	1 1/4	7/32	1	1 1/8
4	16	SO	8	600	Pin Size	Full Male Shroud		8109-9 8109-145	8109-10 8109-147	28" 10"	7/8	1 13/16	1 5/16	8109-22	8109-23			14"	7/8	1 3/4	1 3/4	1 1/4	1 1/4	7/32	11/16	1 1/8
4	12	SO	16	600	Pin Size	Fem. Shroud		8510-1 8510-99	8510-2 8510-101	28" 10"	1 5/8	1 15/16	2 7/8			8510-15	8510-12	14"	1 3/4	2 1/2	2 1/4	2	1 3/4	7/32	2 3/16	1 3/16
4	12	SO	16	600	Central Key	Full Male Shroud		8121-25 8121-32 8121-74	8121-24 8121-31 8121-76	28" 6" 10"	1 5/8	2 3/4	1 3/4			8121-11	8121-7	14"	1 3/4	2 1/2	2 1/4	2	1 3/4	7/32	2 3/16	5/8
4	19	SO	20	600	Central Key	Fem. Shroud		8092-1 8092-50	8092-2 8092-52	28" 10"	1 5/8	1 5/8	3			8092-9	8092-6	14"	1 3/4	2 1/2	2 1/2	2	2	7/32	2 3/4	3/4
4	10	SO	16	600	Central Key	Full Male Shroud		8122-1 8122-38	8122-2 8122-40	28" 10"	1 3/4	3	2	8122-19	8122-18			14"	1 3/4	2 1/2	2 1/4	2	1 3/4	7/32	1 15/16	1
4	8	W	30	600	Central Key	Full Male Shroud		8123-6 8123-46	8123-3 8123-48	30" 10"	2 3/8	3 11/16	2 1/4			8123-4	8123-2	14"	2 3/8	3 1/4	3 1/4	2 5/8	2 5/8	9/32	2 1/2	1 7/16
4	6	W	30	600	Pin Size	Full Male Shroud		8110-5 8110-117	8110-2 8110-73	45" 10"	2 7/8	5 3/4	3 3/8			8110-16	8110-15	20"	2 3/8	3 1/4	3 1/4	2 5/8	2 5/8	9/32	2 1/2	1 9/16
4	2	W	75	600	Pin Size	Full Male Shroud		8728-4 8728-20	8728-3 8728-22	24" 10"	2 7/8	6 1/2	4			8728-24	8728-26	20"	2 15/16	4	4	3 1/8	3 1/8	3/8	4 1/4	1 7/16
4	2	W	75	600	Pilots (Short)	Full Male Shroud		8131-22* 8131-36	8131-21* 8131-39	30" 30"	2 7/8	6 1/2	4			8131-24	8131-24	20"	2 13/16	4	4	3 1/8	3 1/8	3/8	4 1/4	1 7/16
4	4/0	SO	100 180	600	Pilots	Full Male Shroud		X1806-71	X1806-70	Field Attach	4 3/8	13	4 7/16			1806-110 (1/0 AWG) 1806-387 1806-331 (4/0 AWG)	1806-91	20" 24"	3 3/8 3 3/8	4 1/2 4 1/2	4 1/2 4 1/2	3 1/2 3 1/2	3 1/2 3 1/2	7/16 7/16	4 5/8 4 5/8	1 13/16 1 13/16

* Type PCG Cable-Pilots carried through

These are connector ratings only.

Operating ratings must be based on cable capacity

Round Connectors



DATA

PLUG

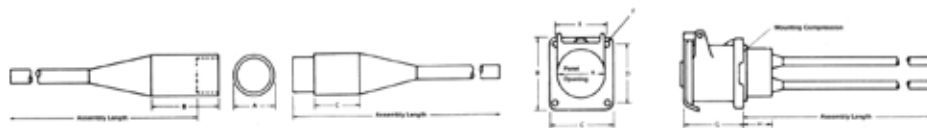
RECEPTACLE

ELECTRICAL DATA					Description		PART NUMBERS		Assembly Length	DIMENSIONS (Approximate Inches)			PART NUMBERS				Assembly Length	DIMENSIONS (Approx. Inches)							
No. of Cont.	#8	#8			Polarized By	Type of Seal	Male	Female		A	B	C	Without Covers		With Covers			A	B	C	D	E	F	G	H
	AWG	TYPE	AMP	VOLTS									Male	Female	Male	Female									
5 POLE																									
5	18	SO	5	600	Pin Size	Fem. Shroud	8088-5 8088-20	8088-1 8088-22	28" 10"	1 1/4	1 3/8	2 7/8			8088-11	8088-9	14"	1 1/4	2	2	1 1/2	1 1/2	7/32	2 7/16	1/2
5	14	SO	12	600	Pin Size	Full Male Shroud	8112-11 8112-71	8112-10 8112-76	28" 10"	1 1/4	2 3/16	1 5/8			8112-21	8112-24	14"	1 1/4	2	2	1 1/2	1 1/2	7/32	2 7/16	1 1/8
5	12	SO	16	600	Pin Size	Full Male Shroud	8701-4 8701-27	8701-3 8701-29	28" 10"	1 3/8	2 1/2	2			8701-8	8701-7	14"	1 3/8	2	2	1 1/2	1 1/2	9/32	2 7/16	5/8
5	12	SO	16	600	Central Key	Full Male Shroud	8125-3 8125-44	8125-6 8125-72	28" 10"	1 5/8	2 3/4	1 3/4			8125-10	8125-4	14"	1 3/4	2 1/2	2 1/4	2	1 3/4	7/32	2 3/16	1
6 POLE																									
6	16	SO	8	600	Pin Size	Full Male Shroud	8125-3 8125-44	8125-6 8125-72	28" 10"	1 1/4	2	1 5/16			8113-27	8113-4	14"	1 1/4	2	2	1 1/2	1 1/2	7/32	2 7/16	7/16
6	14	SO	12	600	Pin Size	Full Male Shroud	8114-12 8114-57	8114-4 8114-54	28" 10"	1 1/4	2 3/8	2 1/8			8114-14	8114-10	14"	1 1/4	2	2	1 1/2	1 1/2	7/32	2 7/16	3/4
6	12	SO	16	600	Central Key	Full Male Shroud	8127-12 8127-84	8127-9 8127-79	28" 10"	1 5/8	2 3/4	1 3/4			8127-6	8127-7	14"	1 3/4	2 1/2	2 1/4	2	1 3/4	7/32	2 3/16	5/8
6	12	SO	16	600	Central Key	Full Male Shroud	8128-41 8128-55	8128-42 8128-62	28" 10"	1 3/4	3 1/8	2 1/8	8128-40	8128-39			14"	1 3/4	2 1/2	2 1/4	2	1 3/4	7/32	1 15/16	1 1/8
6	8	SO	25	600	Central Key	Short Male Shroud	8566-4 8566-37	8566-3 8566-40	30" 10"	2 3/8	3 11/16	3	8566-6	8566-5			14"	2 3/8	3 3/8	3 3/8	2 3/4	2 3/4	9/32	2 3/16	1
7 POLE																									
7	14	SO	11	600	Pin Size	Full Male Shroud	8116-13 8116-44	8116-11 8116-30	28" 10"	1 1/2	2 3/16	1 5/8			8116-6	8116-2	14"	No Cover 1 1/2 Cover 1 1/2	2 5/8	2 5/8	2	2	9/32	1	7/8
7	10	SO	18	600	Central Key	Fem. Shroud	8093-9 8093-40	8093-6 8093-42	28" 10"	2 3/8	3 1/16	4 7/16			8093-10	8093-7	14"	2 3/8	3 1/4	3 1/4	2 5/8	2 5/8	9/32	2 1/2	1

These are connector ratings only.

Operating ratings must be based on cable capacity.

Round Connectors



DATA

PLUG

RECEPTACLE

**8
POLE**

No. of Cont.	ELECTRICAL DATA				Description		PART NUMBERS		Assembly Length	DIMENSIONS (Approx. Inches)			PART NUMBERS				Assembly Length	DIMENSIONS (Approx. Inches)							
	#8	#8			Polarized By	Type of Seal	Male	Female		A	B	C	Without Covers		With Covers			A	B	C	D	E	F	G	H
	AWG	TYPE	AMP	VOLTS									Male	Female	Male	Female									
8	18	SO	5	600	Central Key	Full Male Shroud	8129-8 8129-27	8129-4 8129-29	28" 10'	1 3/8	1 3/4	1 1/16		8129-10	8129-6	14"	1 3/8	2	2	1 1/2	1 1/2	7/32	2 7/16	5/8	
8	10	SO	18	600	Central Key	Fem. Shroud	8094-8 8094-63	8094-10 8094-65	28" 10'	2 3/8	3 1/16	4 7/16		8094-6	8094-4	14"	2 3/8	3 1/4	3 1/4	2 5/8	2 5/8	9/32	2 1/2	1	

**9
POLE**

9	10	Control	18	600	Pin Size	Fem. Shroud	8091-15 8091-31	8091-14 8091-33	28" 10"	2 3/8	1 11/16	3 1/8		8091-19	8091-18	14"	2 3/8	3 1/4	3 1/4	2 5/8	2 5/8	9/32	2 1/2	1
10	10	Control	15	600	Central Key	Fem. Shroud	8097-13 8097-74	8097-12 8097-76	28" 10"	2 3/8	2 15/16	4 7/16		8097-17	8097-16	14"	2 3/8	3 1/4	3 1/4	2 5/8	2 5/8	9/32	2 1/2	1

**10
POLE**

**12
POLE**

12	16	Control	5	600	Central Key	Fem. Shroud	8100-4 8100-32	8100-5 8100-34	28" 10"	1 5/8	2 1/4	2 9/16		8100-7	8100-6	14"	1 3/4	2 1/2	2 1/4	2	1 3/4	7/32	2 3/16	13/16
12	12	Control	20	600	Central Key	Fem. Shroud		8402-31 8402-2 8402-32	28" 6" 10"	2 3/8	----	4		8402-14	8402-13	14"	2 3/8	3 1/4	3 1/4	2 5/8	2 5/8	9/32	2 1/2	1/2
12	10	Control	15	600	Central Key	Fem. Shroud	8101-12 8101-127	8101-27 8101-129	28" 10"	2 3/8	1 5/8	3 1/8		8101-28	8101-11	14"	2 3/8	3 1/4	3 1/4	2 5/8	2 5/8	9/32	2 1/2	3/4

**16
POLE**

**20
POLE**

**24
POLE**

16	12	Control	10	600	Central Key	Fem. Shroud	8431-29 8431-115	8431-8 8431-117	30" 6"	3	2 29/32	3		8431-12	8431-12	20"	2 3/8	3 1/4	3 1/4	2 5/8	2 5/8	9/32	2 1/2	1/2
20	16	Control	7	600	Central Key	Fem. Shroud	8753-2	8753-1	28"	3	2 29/32	3		8753-28		12"	3	4	4	3 1/8	3 1/8	3/8	4 1/4	1 1/8
24	16	Control	7	600	Central Key	Fem. Shroud	8441-16 8441-60	8441-61 8441-63	30" 10"	3	3 15/16	3 5/8		8441-30	8441-18	20"	3	4	4	3 1/8	3 1/8	3/8	4 1/4	5/8

These are connector ratings only.

Operating ratings must be based on cable capacity.

Products for the Mining, Tunneling, and Industrial Markets

Electrical Products

Cable Hangers
J-Hooks
Cable Cutters (H.K. Porter)
Cable Fault Locator and Tracers
High Voltage Gloves
Testing Plugs and Plug Repair
Cable Grips (Kellems)
Trolley Hardware (Phoenix)
Ground Check and Fault Monitors:
(AMR/Pemco/MCI)
String-A-Lights
Tie Wire
Belt Monitoring (Ensign/AMR)
Belt Switches (Conkie/Hawkeye)
Limit Switches (Cutter-Hammer)
Lighting Systems (SMC)
Coax Connectors
Vacuum Load Break Switches (SMC)
Connectors:
Woodhead/Burndy/T&B/3M/Amp/
Panduit
Low Voltage Connectors:
MCI/SMS Uni-Lock/P.D.P./Ensign
Victor

Electrical Cable

Bare Copper and Aluminum
Trolley Wire
Blasting Wire and Shot
S.O. Cords
Bore Hole Cable
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Monitor and Sensor Cables
Computer Cables
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Jumper Cable
Welding Cable
Loaders-Cutters-Drills
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Traffic Signal
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Portable Control Cables
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Electrical Cable Manufacturers

BICC Cablec
Larabee Powerflex
Essex
Royal
Carol
A.I.W.
General
Prestolite
Service Wire

Cable Services

High and Low Voltage Reconditioned
Coupler Installation
Molded Pot Heads
Stress Cones
Jacket Patches
Reinsulation
Railbonds
Cable Splicing

Splice Kits

Plymouth
AMP
3M
RMS
MPI
RAYCHEM

Cable Repair Supplies

Plymouth - Tapes/Shielding Braid
Okonite - Tape/Splicing Cement
3M - Tape/Braid/Lugs
Rice Shielding Braid
Cable Jigs
Molds
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Douglas Batteries
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Fax: 618-937-2715

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Petersburg, IN 47567
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Fax: 812-354-2176

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Central City, KY 42330
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Oval Connectors

For Mining, Tunneling and Industry

STANDARD FEATURES

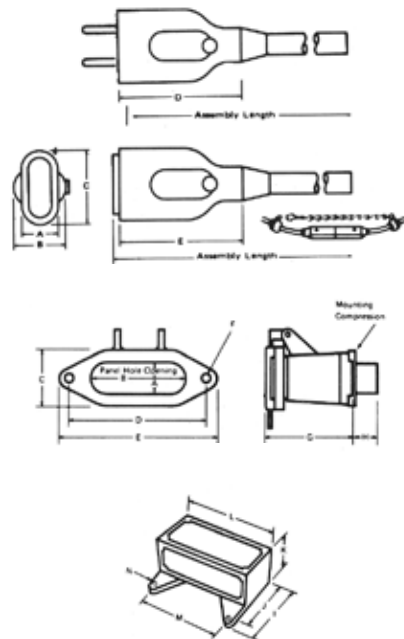
- Water-Tight
- Various Types of Polarization (pin size, reverse ground, pin configuration)
- Various Types of Seal (face seal)
- Wide Range of Size and Styles
- Full Line of Covered Receptacles

PARAMETERS

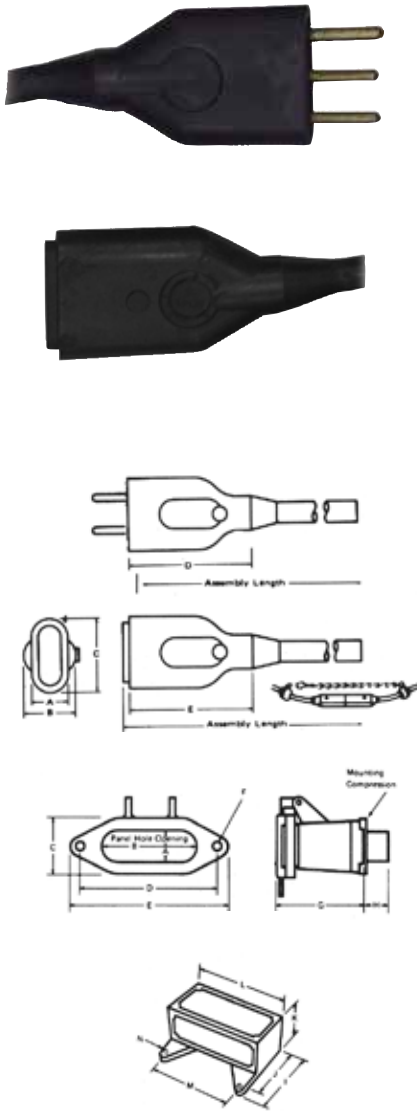
- Two through five contacts
- Number 14 AWG through 2/0 AWG
- Up to 600 volts/95 amps

APPLICATIONS

- Electromagnets
- Steel Mills
- Electromagnet Manufacturers
- Low Voltage Lighting
- Crane Manufacturers
- Shipbuilders
- Contractors
- Run Out Tables
- Motor Connections
- Railroads - Communication Systems
- Mining Applications
- Power Distribution Box Manufacturers



Oval Connectors TWO POLE



These are connector ratings only.

Operating ratings must be based
on cable capacity.



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DATA

ELECTRICAL DATA					Description	
No. of Cont.	Cable	Max. Cable Rating	Polarized By		Type of Seal	
			AMP	VOLTS		
	AWG	TYPE				
2 2	14	SO	15	600	Pin Size	
2	14	SO	15	600	Not Pol.	
2	12	SO	20	600	Pin Size	
2	10	SO	25	600	Not Pol.	
2	6	W	50	600	Pin Size	
2	6	W	50	600	Not Pol.	
2	2	W	95	600	Pin Size	
2	2	PD	95	600	Pin Size	
2	2	W	95	600	Not Pol.	
2	2	W	95	600	Not Pol.	
2	2	PD	95	600	Not Pol.	

PLUG

PART NUMBERS		With Safety Chain		Assembly Length		DIMENSIONS (Approximate Inches)				
Without	With	Without	With			A	B	C	D	E
Male	Female	Male	Female							
8020-3	8020-4	8020-8	8020-9	16"	10"	7/8	1 1/4	1 3/4	3 1/8	3 1/16
8015-1	8015-5	8015-20	8015-21	16"	6"	7/8	1 1/4	1 3/4	3 1/8	3 1/16
8015-135										
8021-2	8021-3	8021-122	8021-124	16"	10"	1	1 1/2	2 1/8	4 1/8	4 3/8
8016-16	8016-17	8016-23	8016-28	16"	10"	1	1 1/2	2 1/8	4 1/8	4 3/8
8016-16	8016-17	8016-23	8016-28	16"	10"	1	1 1/2	2 1/8	4 1/8	4 3/8
8024-6	8024-7	8024-5	8024-4	24"	10"	1 1/4	1 3/4	2 5/8	5 1/4	5 7/8
8017-17	8017-18	8017-8	8017-3	24"	10"	1 1/8	1 1/2	2 1/2	4 7/16	4 7/8
8017-143	8017-144	8017-142	8017-145	24"	10"	1 1/8	1 1/2	2 1/2	4 7/16	4 7/8
8026-26	8026-45	8026-45	8026-2	24"	10"	1 3/8	1 7/8	2 7/8	5 1/4	6 1/4
8026-80	8026-95	8026-97	8026-99	24"	10"	1 3/8	1 7/8	2 7/8	5 1/4	6 1/4
8026-11	8026-10	8026-1	8026-43	24"	10"	1 3/8	1 7/8	2 7/8	5 1/4	6 1/4
8018-9	8018-10	8018-19	8018-20	24"	10"	1 1/4	1 3/4	2 5/8	5 1/8	5 7/8
8018-9	8018-10	8018-117	8018-119	24"	10"	1 1/4	1 3/4	2 5/8	5 1/8	5 7/8
8019-2	8019-13	8019-16	8019-36	24"	10"	1 3/8	1 7/8	2 7/8	5 1/4	6 1/4
8019-14	8019-15	8019-53	8019-51	24"	10"	1 3/8	1 7/8	2 7/8	5 1/4	6 1/4

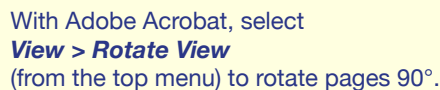
RECEPTACLE

PART NUMBERS		With Covers		Assembly Length		DIMENSIONS (Approximate Inches)				
Without	With	Without	With			A	B	C	D	E
Male	Female	Male	Female							
8020-38	8020-34	8020-38	8020-34	Term. Back	Term. Back	7/8	1 3/4	1 5/8	3	3 5/8
8015-32	8015-33	8015-32	8015-33	Term. Back	Term. Back	7/8	1 3/4	1 5/8	3	3 5/8
8021-32	8021-31	8021-32	8021-31	Term. Back	Term. Back	1	2 1/8	1 3/4	3 3/8	4
8016-44	8016-43	8016-44	8016-43	Term. Back	Term. Back	1	2 1/8	1 3/4	3 3/8	4
8024-14	8024-15	8024-14	8024-15	Term. Back	Term. Back	1 1/4	2 5/8	2	4 1/8	5
8017-27	8017-28	8017-27	8017-28	Term. Back	Term. Back	1 1/8	2 1/2	1 3/4	3 7/8	4 5/8
8026-19	8026-20	8026-19	8026-20	Term. Back	Term. Back	1 5/8	3 1/8	2 3/8	5	6
8026-19	8026-20	8026-19	8026-20	Term. Back	Term. Back	1 5/8	3 1/8	2 3/8	5	6
8018-31	8018-32	8018-31	8018-32	Term. Back	Term. Back	1 1/4	2 5/8	2	4 1/8	5
8019-27	8019-28	8019-27	8019-28	Term. Back	Term. Back	1 5/8	3 1/8	2 3/8	5	6
8019-27	8019-28	8019-27	8019-28	Term. Back	Term. Back	1 5/8	3 1/8	2 3/8	5	6

WIRING BOX

PART NUMBERS		With Covers		Assembly Length		DIMENSIONS (Approximate Inches)				
Without	With	Without	With			A	B	C	D	E
Male	Female	Male	Female							
SBM4135	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
SBM4135	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
SBM4136	2 5/8	2 5/8	2 5/8	2 5/8	2 5/8	2 5/8	2 5/8	2 5/8	2 5/8	2 5/8
SBM4136	2 5/8	2 5/8	2 5/8	2 5/8	2 5/8	2 5/8	2 5/8	2 5/8	2 5/8	2 5/8
SBM4138	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
SBM4137	3 5/16	3 5/16	3 5/16	3 5/16	3 5/16	3 5/16	3 5/16	3 5/16	3 5/16	3 5/16
SBM4139	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
SBM4139	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
SBM4138	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
SBM4139	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4

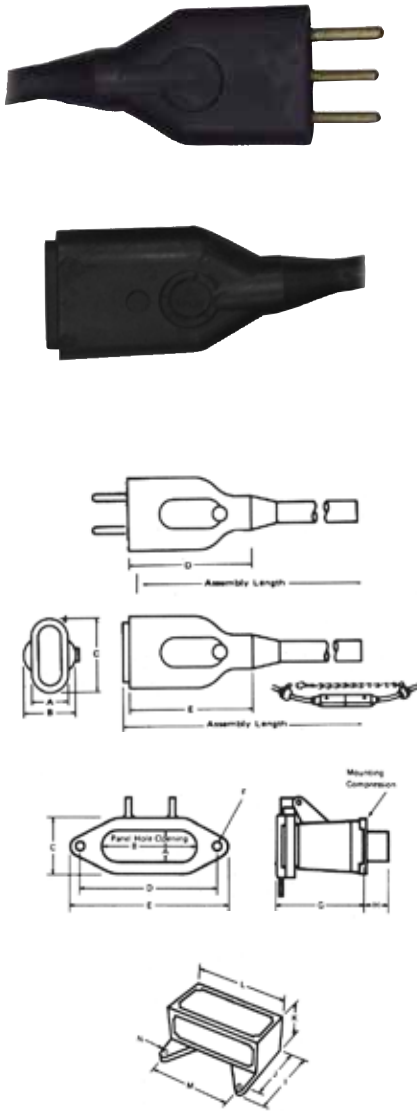
Operating ratings must be based on cable capacity.



DATA

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Oval Connectors FOUR POLE



These are connector ratings only.

Operating ratings must be based
on cable capacity.



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DATA

No. of Cont.	ELECTRICAL DATA		Description	Pin Arrangement	Polarized By	Type of Seal
	Max. Cable Rating	VOLTS				
4	14 SO	12 600	AMP	Pin Size	Male	Short Shroud
4	14 SO	12 600	TYPE	Pin Size	Male	Full Shroud
4	10 SO	20 600	TYPE	Pin Size	Male	Short Shroud
4	10 SO	20 600	AMP	Pin Size	Male	Short Shroud
4	8 W	30 600	TYPE	Pin Size	Male	Short Shroud
4	8 W	30 600	AMP	Pin Size	Male	Short Shroud
4	8 W	30 600	TYPE	Pin Size	Male	Full Shroud
4	8 W	30 600	AMP	Pin Size	Male	Full Shroud
4	6 W	40 600	TYPE	Pin Size	Male	Short Shroud
4	6 W	40 600	AMP	Pin Size	Male	Short Shroud
4	2 W	75 600	TYPE	Pin Size	Male	Short Shroud
4	2 W	75 600	AMP	Pin Size	Male	Short Shroud
4	1 W	85 600	TYPE	Pin Size	Male	Full Shroud
4	1 W	85 600	AMP	Pin Size	Male	Full Shroud

PLUG

PART NUMBERS		Assembly Length	DIMENSIONS (Approximate Inches)				
Without Safety Chain	With Safety Chain		A	B	C	D	E
8059-11	8059-15	8059-56	1	1 1/4	2 3/4	3 11/16	4 7/16
8059-11	8059-15	8059-114	1	1 1/4	2 3/4	3 11/16	4 7/16
8064-4	8064-1	8064-5	1 5/8	1 5/8	3 1/4	5 3/8	3 5/16
8060-15	8060-2	8060-22	1 1/8	1 5/8	3 3/4	5	5 1/2
8060-15	8060-2	8060-197	1 1/8	1 5/8	3 3/4	5	5 1/2
8401-6	8401-5		1 1/8	1 5/8	3 3/4	4 13/16	5 3/4
8061-2	8061-3	8061-17	1 1/8	1 5/8	3 3/4	4 9/16	6
8061-2	8061-3	8061-120	1 1/8	1 5/8	3 3/4	4 9/16	6
8065-1	8065-2		1 5/8	1 7/8	4 1/16	6 1/2	5 9/16
8364-6	8364-3	8364-8	1 1/8	1 5/8	3 3/4	5 3/8	5 1/8
8062-8	8062-24	8062-6	1 1/4	1 5/8	4 1/4	5 3/8	6 1/2
8062-116	8062-118	8062-113	1 1/4	1 5/8	4 1/4	5 3/8	6 1/2
8062-117	8062-119	8062-120	1 1/4	1 5/8	4 1/4	5 3/8	6 1/2
8063-28	8063-27	8063-39	1 1/2	2	4 7/8	6 7/8	7 1/8
8063-28	8063-27	8063-140	1 1/2	2	4 7/8	6 7/8	7 1/8
8066-1	8066-2		1 13/16	1 7/8	4 13/16	7 1/2	5
8067-1	8067-2		2	2 1/4	5 1/2	8 1/2	6 3/16

RECEPTACLE

PART NUMBERS		Term. Back	DIMENSIONS (Approximate Inches)							
With Covers	Female		A	B	C	D	E	F	G	H
8059-25	8059-25	8059-25	1	2 3/4	1 5/8	4	4 5/8	9/32	2 7/8	5 8
8060-31	8060-33	8060-31	1 1/8	3 3/4	2	5 1/4	6	9/32	3 5/16	13/16
8061-39	8061-10	8061-39	1 1/4	3 7/8	2	5 1/4	6	9/32	3 5/16	13/16
8062-33	8062-27	8062-33	1 1/2	4 1/2	2 1/8	6 1/4	7 1/4	3/8	5 1/16	1 1/4
8063-62	8063-46	8063-62	1 1/2	4 7/8	2 3/8	6 7/8	7 7/8	3/8	5	3

WIRING BOX

PART NUMBER		DIMENSIONS (Approximate Inches)							
I	J	K	L	M	N	Input Cond. Open			
SBM4140	3 1/8	2 3/4	2 3/8	5	4 1/4	5/16	3/4	3/4	3/4
SBM4144	3 1/2	3	2 3/4	6 3/8	5 3/4	3/4	1	1	1
SBM4144	3 1/2	3	2 3/4	6 3/8	5 3/8	3/8	1	1	1
SBM4145	3 3/4	3 1/4	3	7 5/8	6 5/8	7/16	1 1/4	1 1/4	1 1/4
SBM4143	5 1/2	4 15/16	4 3/8	7 7/8	6 3/4	7/16	1 1/4	1 1/4	1 1/4

Push-Lock Connectors For Mining, Tunneling and Industry

STANDARD FEATURES

- Available attachable or molded to cable
- Locking unit
- Resilient neoprene construction
- Easily installed
- Receptacles available with covers

PARAMETERS

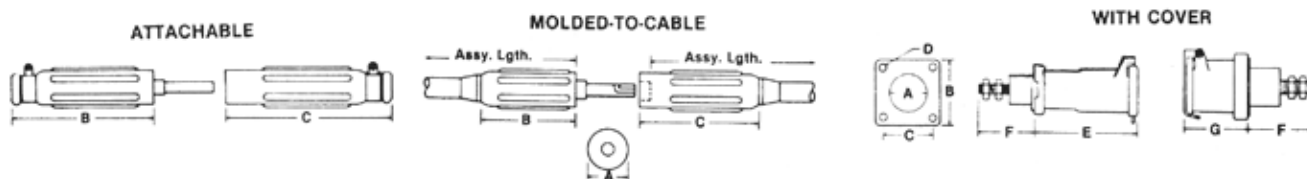
- Single contact Number 2 through 4/0 cable
- Up to 125 volts/550 amps moulded to cable
- Up to 600 volts/235 amps
- Up to 5000 volts/175 amps moulded to cable

APPLICATIONS

- Welding leads
- Portable distribution centers
- Utility Companies - distribution centers
- Electromagnets
- Railroad
- Refineries



Push-Lock Connectors



DATA

PLUG

RECEPTACLE

Electrical Data		Part Numbers			Dimensions (Approx. Inches)			Part Numbers									
Max. AWG	Max. AMP.	Assy. Length	Male	Female	A	B	C	Male	Female		A	B	C	D	E	F	G
ATTACHABLE 600 VOLT																	
2	110	Attach.	8168-3	8168-2	1 3/8	4 3/4	5 9/16	8168-14	8168-10	Covered	1 1/4	1 1/2	2	7/32	4 7/16	2 7/16	2 7/16
2/0	175	Attach.	8169-3	8169-4	1 5/8	5 7/16	6 3/8	8169-31	8169-17	Covered	1 1/2	2	2 5/8	9/32	5 1/2	2 1/2	2 1/2
4/0	235	Attach.	8170-1	8170-2	1 7/8	6 15/16	7 3/8	8170-36	8170-35	Covered	1 5/8	2	2 5/8	9/32M 7/32	5 1/2	2 1/2	2 7/8
4/0	235	Attach.	8567-10	8567-18	1 7/8	6 13/16	9 5/16	8567-23	Covered	3 7/16	3	4 1/16	9/32		8 5/8	1 15/16	
Male contact shrouded																	

For welding applications, the above will carry the same load as those listed below for corresponding wire sizes.

MOLDED TO CABLE UP TO 125 VOLT WELDING

2/0	375	45"	8165-4	8165-5	1 1/8	4 3/16	5 3/16	8169-31	8169-17	Covered	1 1/2	2	2 5/8	9/32	5 1/2	2 1/2	2 1/2
4/0	550	45"	8166-6	8166-3	1 3/8	4 1/2	5 1/2	8170-36	8170-35	Covered	1 5/8	2	2 5/8	9/32M 7/32	5 1/2	2 1/2	2 7/8
2	110	24"	8173-1	8173-2	1 5/8	4	4 1/2	8173-13	Covered	1 1/2	2 5/8	2	9/32	2 17/32	2 1/2		
2/0	175	18"	8174-4	8174-3	1 5/8	4 1/2	5 1/4										

NOTE: Refer to price list for identification of stock items.

These are connector ratings only.

Operating ratings must be based on cable capacity.



Change-Out Connectors For Mining, Tunneling and Industry

STANDARD FEATURES

- Available in aluminum or nylon
- Completely sealed against environment
- Standard lengths are 6', 12' and 18' on plugs
- Available in any length required
- Positive locking
- Small in size
- Easily installed

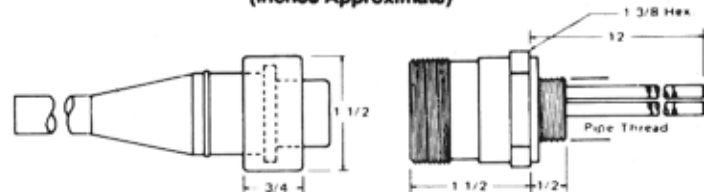
PARAMETERS

- Two through nine contacts
- Number 18 AWG through Number 10 AWG
- Up to 600 volts/25 amps

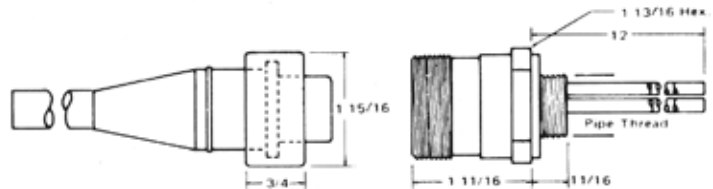
APPLICATIONS

- Pre-wired Limit Switches - For reducing spares for cutting downtime
- Motors - Simplify replacement
- Solenoid Valves - No rewiring with a changeout
- Foot operated switches
- Power transformers - Cooling fan connectors
- Pre-wired - Small h.p. pumps, photo-electric switches
- Transformer manufacturers - Used on cooling unit fans
- Valve manufacturers - Attached to valves for quick and easy hookup
- Skeet shooting equipment - Remington Arms
- Automotive industry - limit and proximity switches
- Calibrating equipment - thermocouple hookups
- Small, portable tools

DIMENSIONS — all below one body size (Series A)
(Inches Approximate)

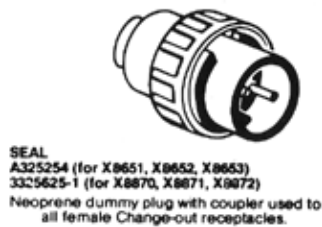


DIMENSIONS — all below one body size (Series B)
(Inches Approximate)



Change-Out Connectors

ACCESSORIES (Series A) UP TO 15 AMPS



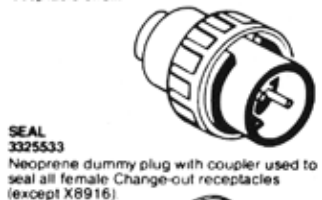
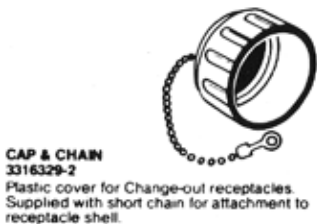
With **NYLON** couplers and receptacle shell

ELECTRICAL DATA					PLUG			RECEPTACLES (12" 1/c Pigtail)		
No. Cont.	MAX. RATING (Cable)				Note: Adaptor required to couple male and female plug.			Male	Female	Pipe Thread
	AWG	Type	Amps	Volts	Length	Male	Female			
2	#14	SO	15	600	6'	8651-79	8651-78	8651-77	8651-76	1/2"
3	#14	SO	15	600	6' 12' 18'	8652-93 8652-95 8652-97	8652-92 8652-94 8652-96	8653-91	8653-90 8653-98	1/2" 3/4"
4	#14	SO	12	600	6' 12' 18'	8653-93 8653-95 8653-97	8653-92 8653-94 8653-96	8653-91	8653-90 8653-98	1/2" 3/4"
* 5	#18	SO	6	300	6'	8872-16	8872-15	8872-14	8872-13 8872-21	1/2" 3/4"
* 6	#18	SO	6	300	6' 12'	8871-22 8871-24	8871-23	8871-20	8871-19 8871-27	1/2" 3/4"
* 7	#18	SO	5	300	6' 12'	8870-17 8870-19	8870-16	8870-23 8870-15	8870-22 8870-14	1/2" 3/4"
* 9	#18	SO	3	110	6'	8980-10	8980-7	8980-5	8980-3	1/2"

With **ALUMINUM** couplers and receptacle shell

2	#14	SO	15	600	6' 12' 16'	8651-52	8651-49 8651-50 8651-51	8651-8	8651-10 8651-11	1/2" 3/4"
3	#14	SO	15	600	6' 12' 18'	8652-51 8652-52 8652-53	8652-48 8652-49 8652-50	8652-12 8652-13	8652-14 8652-15	1/2" 3/4"
4	#14	SO	12	600	6' 12' 18'	8653-47 8653-48 8653-49	8653-44 8653-45 8653-46	8653-13 8653-14	8653-15 8653-16	1/2" 3/4"
* 6	#18	SO	6	300	6'	8871-6			8871-1	1/2" 3/4"
* 7	#18	SO	5	300	6' 12'	8870-6 8870-9			8870-12	1/2" 3/4"

ACCESSORIES (Series B)



UP TO 25 AMPS

With **ALUMINUM** couplers and receptacle shell

ELECTRICAL DATA					PLUG			RECEPTACLES (12" 1/c Pigtail)		
No. Cont.	MAX. RATING (Cable)				Note: Adaptor required to couple male and female plug.			Male	Female	Pipe Thread
	AWG	Type	Amps	Volts	Length	Male	Female			
* 2	#10	SO	25	600	6' 12'	8881-6 8881-8	8881-5	8881-3	8881-1	1"
* 3	#10	SO	25	600	12'	8880-8			8880-1	1"
* 4	#10	SO	20	600	6' 12'	8879-6 8879-8	8879-5 8879-7	8879-3	8879-1	1"
5	#10	SO	20	600	6' 12'	8878-8 8878-10			8878-1	1"
6	#10	SO	20	600	6' 12'	8877-8 8877-10	8877-7 8877-9	8877-3	8877-1	1"
* 7	#10	SO	18	600	6' 12'	8876-10	8876-7	8876-3	8876-1	1"
* 9	#14	SO	11	600	6' 12' 18'	8916-8 8916-10	8916-5 8916-6	8916-3	8916-1	1"

These are connector ratings only. Operating ratings must be based on cable capacity.

NOTE: Refer to price list for identification of stock items.

* Not available at present time.

Ramp Power Connectors For Mining, Tunneling and Industry

STANDARD FEATURES

- Plugs are attachable
- Easily installed
- All metal parts are neoprene insulated
- Fits standard receptacles

PARAMETERS

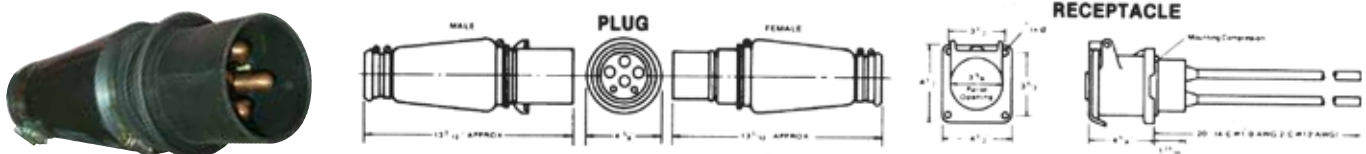
- Four power - two control contacts
- Number 4 AWG through Number 4/0 AWG
- Up to 1,000 volts/225 amps

APPLICATIONS

- Stand-by aircraft power
- Aircraft air conditioning systems
- Hydraulic test stands
- Motor generator sets
- Tunnel industry



Ramp Power Connectors



ORDERING REFERENCE

Male Plug
1806-71

Female Plug
1806-70

Female Receptacle
1806-91

Female Insert
1806-62

The 1806-71 Male Ramp Power plug will mate with common Aircraft Service contactors and flush-mounted receptacles as manufactured by the Crouse-Hinds Company, Pyle National and Killark Electric Mfg. Co. It is recommended that the completed cable, connector assembly be rated based on the capacity of the cable.

ASSEMBLY INSTRUCTIONS

1. Slip grommet and outer protective sleeve over cable.
2. Remove cable jacket 7". Skin power and ground lead 3", insert into proper contacts and tighten set screws. (Two allen-head screws per contact).
3. Skin pilot leads 1/2" and crimp to terminal connector.
4. Slide protective sleeve and grommet forward and thread into place. Tighten hose clamps.

ELECTRICAL DETAILS

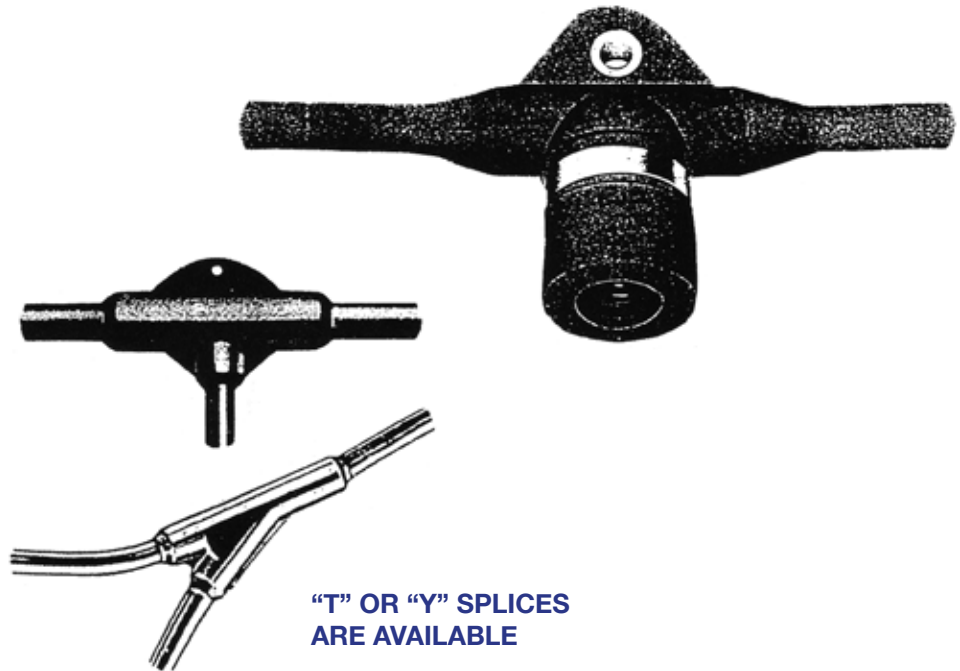
- Conductor Sizes: #4 through #4/0 3/C PCG
- Number of Conductors: 4 power through 2 control
- Voltage Class: 1,000V
- Ampacity: up to 225A

Stringlites

Special Connectors For Mining, Tunneling and Industry

STANDARD FEATURES

- Economical
- Portable
- Reusable
- Fully Tested
- Weatherproof
- Grounded Guards
- Brass Reinforced
- Suspension Mounting Hole
- Made to Customer's Specifications



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Panduit
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Victor

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B-Connector Series

CABLE SIZE #2-4/0, 600 VOLTS, RATED PER CABLE CAPACITY UP TO 405 AMPERES

CSA Approved & UL Listed

PLUGS



Male Size #2-2/0				Female Size #2-2/0			
Color	Complete Part No.	Contact Part No.	Insulated Sleeve	Color	Complete Part No.	Contact Part No.	Insulated Sleeve
BLACK	B20SM-BLK	B20MCO	B20SMRB-BLK	BLACK	B20SF-BLK	B20FCO	B20SFRB-BLK
RED	B20SM-RED	"	B20SMRB-RED	RED	B20SF-RED	"	B20SFRB-RED
GREEN	B20SM-GRN	"	B20SMRB-GRN	GREEN	B20SF-GRN	"	B20SFRB-GRN
WHITE	B20SM-WHT	"	B20SMRB-WHT	WHITE	B20SF-WHT	"	B20SFRB-WHT
BLUE	B20SM-BLUE	"	B20SMRB-BLUE	BLUE	B20SF-BLUE	"	B20SFRB-BLUE

Size #2/0 - 4/0				Size #2/0 - 4/0			
Color	Complete Part No.	Contact Part No.	Insulated Sleeve	Color	Complete Part No.	Contact Part No.	Insulated Sleeve
BLACK	B40SM-BLK	B40MCO	B40SMRB-BLK	BLACK	B40SF-BLK	B40FCO	B40SFRB-BLK
RED	B40SM-RED	"	B40SMRB-RED	RED	B40SF-RED	"	B40SFRB-RED
GREEN	B40SM-GRN	"	B40SMRB-GRN	GREEN	B40SF-GRN	"	B40SFRB-GRN
WHITE	B40SM-WHT	"	B40SMRB-WHT	WHITE	B40SF-WHT	"	B40SFRB-WHT
BLUE	B40SM-BLUE	"	B40SMRB-BLUE	BLUE	B40SF-BLUE	"	B40SFRB-BLUE

PLUG HARDWARE

SHIMS CS1502

WIRE CW 1406

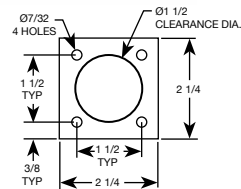
SET SCREW #2 - 4/0

RETAINING PIN PP1875

PANEL MOUNTS



Male		
BLACK	B41M-BLK	B41MSS-BLK
RED	B41M-RED	B41MSS-RED
GREEN	B41M-GRN	B41MSS-GRN
WHITE	B41M-WHT	B41MSS-WHT
BLUE	B41M-BLUE	B41MSS-BLUE



Female		
BLACK	B41F-BLK	B41FSS-BLK
RED	B41F-RED	B41FSS-RED
GREEN	B41F-GRN	B41FSS-GRN
WHITE	B41F-WHT	B41FSS-WHT
BLUE	B41F-BLUE	B41FSS-BLUE

ACCESSORIES



Color	Tapping "T"	Paralleling "T"	Distribution Block	3-Fre	3 Fer/cable
BLACK	B40TT-BLK	B40PT-GRN	B40DB-BLK	B3F-BLK	B3F24-BLK
RED	B40TT-RED	B40PT-GRN	B40DB-RED	B3F-RED	B3F24-RED
GREEN	B40TT-GRN	B40PT-GRN	B40DB-GRN	B3F-GRN	B3F24-GRN
WHITE	B40TT-WHT	B40PT-GRN	B40DB-WHT	B3F-WHT	B3F24-WHT
BLUE	B40TT-BLUE	B40PT-GRN	B40DB-BLUE	B3F-BLUE	B3F24-BLUE

ADAPTORS



PROTECTIVE CAPS



Molded Panel Mount Snap Back Cover

Color	Male/Male	Female/Female	Color	Part No.	Color	Male	Female
BLACK	B40MM-GRN	B40FF-BLK	BLACK	CAP-WSC-BLK	BLACK	BPCM-BLK	BPCF-BLK
RED	B40MM-GRN	B40FF-RED	RED	CAP-WSC-RED	RED	BPCM-RED	BPCF-RED
GREEN	B40MM-GRN	B40FF-GRN	GREEN	CAP-WSC-GRN	GREEN	BPCM-GRN	BPCF-GRN
WHITE	B40MM-GRN	B40FF-WHT	WHITE	CAP-WSC-WHT	WHITE	BPCM-WHT	BPCF-WHT
BLUE	B40MM-GRN	B40FF-BLUE	BLUE	CAP-WSC-BLU	BLUE	BPCM-BLUE	BPCF-BLUE

T-Connector Series

MALE CONNECTORS



FEMALE CONNECTORS

CSA Approved & UL Listed



Male Size #2-2/0					Female Size #2-2/0				
Complete Connector		Contact Only	Insulating Sleeve Only		Complete Connector		Contact Only	Insulating Sleeve Only	
Color	Part No.	Part No.	Color	Part No.	Color	Part No.	Part No.	Color	Part No.
BLACK	T20SM-BLK	T20MCO	BLACK	T20SMRB-BLK	BLACK	T20SF-BLK	T20FCO	BLACK	T20SFRB-BLK
RED	T20SM-RED	T20MCO	RED	T20SMRB-RED	RED	T20SF-RED	T20FCO	RED	T20SFRB-RED
GREEN	T20SM-GRN	T20MCO	GREEN	T20SMRB-GRN	GREEN	T20SF-GRN	T20FCO	GREEN	T20SFRB-GRN
WHITE	T20SM-WHT	T20MCO	WHITE	T20SMRB-WHT	WHITE	T20SF-WHT	T20FCO	WHITE	T20SFRB-WHT
BLUE	T20SM-BLU	T20MCO	BLUE	T20SMRB-BLU	BLUE	T20SF-BLU	T20FCO	BLUE	T20SFRB-BLU

Size #2/0 - 4/0					Size #2/0 - 4/0				
Color	Part No.	Part No.	Color	Part No.	Color	Part No.	Part No.	Color	Part No.
BLACK	T40SM-BLK	T40MCO	BLACK	T40SMRB-BLK	BLACK	T40SF-BLK	T40FCO	BLACK	T40SFRB-BLK
RED	T40SM-RED	T40MCO	RED	T40SMRB-RED	RED	T40SF-RED	T40FCO	RED	T40SFRB-RED
GREEN	T40SM-GRN	T40MCO	GREEN	T40SMRB-GRN	GREEN	T40SF-GRN	T40FCO	GREEN	T40SFRB-GRN
WHITE	T40SM-WHT	T40MCO	WHITE	T40SMRB-WHT	WHITE	T40SF-WHT	T40FCO	WHITE	T40SFRB-WHT
BLUE	T40SM-BLU	T40MCO	BLUE	T40SMRB-BLU	BLUE	T40SF-BLU	T40FCO	BLUE	T40SFRB-BLU

CONNECTOR HARDWARE



Copper Shim
Part No. CS 1502



Copper Wire
Part No. CW 1406



Set Screw #2 to 4/0
Part No. SS 2/0 4/0



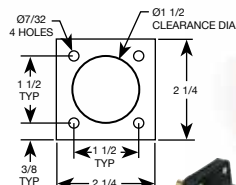
Phenolic Pin For Cable Inline
Part No. P 1875

MALE PANEL MOUNTS

Threaded Stud	
Color	Part No.
BLACK	T41SM-BLK
RED	T41SM-RED
GREEN	T41SM-GRN
WHITE	T41SM-WHT
BLUE	T41SM-BLU
Double Set Screw	
Color	Part No.
BLACK	T41SMss-BLK
RED	T41SMss-RED
GREEN	T41SMss-GRN
WHITE	T41SMss-WHT
BLUE	T41SMss-BLU



Threaded Stud 45°	
Color	Part No.
BLACK	T45M-BLK
RED	T45M-RED
GREEN	T45M-GRN
WHITE	T45M-WHT
BLUE	T45M-BLU
Double Set Screw 45°	
Color	Part No.
BLACK	T45Mss-BLK
RED	T45Mss-RED
GREEN	T45Mss-GRN
WHITE	T45Mss-WHT
BLUE	T45Mss-BLU



FEMALE PANEL MOUNTS

Threaded Stud	
Color	Part No.
BLACK	T41SF-BLK
RED	T41SF-RED
GREEN	T41SF-GRN
WHITE	T41SF-WHT
BLUE	T41SF-BLU
Double Set Screw	
Color	Part No.
BLACK	T41SFss-BLK
RED	T41SFss-RED
GREEN	T41SFss-GRN
WHITE	T41SFss-WHT
BLUE	T41SFss-BLU



Threaded Stud 45°	
Color	Part No.
BLACK	T45F-BLK
RED	T45F-RED
GREEN	T45F-GRN
WHITE	T45F-WHT
BLUE	T45F-BLU
Double Set Screw 45°	
Color	Part No.
BLACK	T45Fss-BLK
RED	T45Fss-RED
GREEN	T45Fss-GRN
WHITE	T45Fss-WHT
BLUE	T45Fss-BLU

MALE COUPLINGS, T'S, 3-FERS



Parallel "T" Male/Male/Female		Inline Coupling Male to Male		3-Fer Moulded Male to F/F/F		3-Fer Moulded Male to F/F/F on 24" Cable		Tapping "T" Male/Female/Female		Inline Coupling Female to Female	
Color	Part No.	Color	Part No.	Color	Part No.	Color	Part No.	Color	Part No.	Color	Part No.
BLACK	T40PT-BLK	BLACK	T40MM-BLK	BLACK	T3F-BLK	BLACK	T3F24-BLK	BLACK	T40TT-BLK	BLACK	T40FF-BLK
RED	T40PT-RED	RED	T40MM-RED	RED	T3F-RED	RED	T3F24-RED	RED	T40TT-RED	RED	T40FF-RED
GREEN	T40PT-GRN	GREEN	T40MM-GRN	GREEN	T3F-GRN	GREEN	T3F24-GRN	GREEN	T40TT-GRN	GREEN	T40FF-GRN
WHITE	T40PT-WHT	WHITE	T40MM-WHT	WHITE	T3F-WHT	WHITE	T3F24-WHT	WHITE	T40TT-WHT	WHITE	T40FF-WHT
BLUE	T40PT-BLU	BLUE	T40MM-BLU	BLUE	T3F-BLU	BLUE	T3F24-BLU	BLUE	T40TT-BLU	BLUE	T40FF-BLU

PROTECTIVE CAPS



Male Connectors		Molded Panel Mount Snap Back Cover		Female Connectors	
Color	Part No.	Color	Part No.	Color	Part No.
BLACK	TPCM-BLK	BLACK	CAP-WSC-BLK	BLACK	TPCF-BLK
RED	TPCM-RED	RED	CAP-WSC-RED	RED	TPCF-RED
GREEN	TPCM-GRN	GREEN	CAP-WSC-GRN	GREEN	TPCF-GRN
WHITE	TPCM-WHT	WHITE	CAP-WSC-WHT	WHITE	TPCF-WHT
BLUE	TPCM-BLU	BLUE	CAP-WSC-BLU	BLUE	TPCF-BLU

ST-Series Connectors

CABLE SIZE #8-#4, UL LISTED 3S74 600 VOLTS UP TO 150 AMPERES

CSA Approved & UL Listed

PLUGS

Male				Female			
Color	Complete Part No.	Contact Part No.	Insulated Sleeve	Color	Complete Part No.	Contact Part No.	Insulated Sleeve
BLACK	ST4M-BLK	ST4MMCO	ST4MRB-BLK	BLACK	ST4F-BLK	ST4FCO	ST4FRB-BLK
RED	ST4M-RED	*	ST4MRB-RED	RED	ST4F-RED	*	ST4FRB-RED
GREEN	ST4M-GRN	*	ST4MRB-GRN	GREEN	ST4F-GRN	*	ST4FRB-GRN
WHITE	ST4M-WHT	*	ST4MRB-WHT	WHITE	ST4F-WHT	*	ST4FRB-WHT
BLUE	ST4M-BLUE	*	ST4MRB-BLUE	BLUE	ST4F-BLUE	*	ST4FRB-BLUE

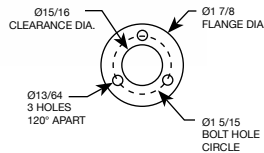
PLUG HARDWARE

SET SCREW 5/16

PHENOLIC PIN PP-80

PANEL MOUNTS

	Male	Setscrew
BLACK	ST4PMM-BLK	ST4PMMS-BLK
RED	ST4PMM-RED	ST4PMMS-RED
GREEN	ST4PMM-GRN	ST4PMMS-GRN
WHITE	ST4PMM-WHT	ST4PMMS-WHT
BLUE	ST4PMM-BLUE	ST4PMMS-BLUE



	Female	Setscrew
BLACK	ST4PMF-BLK	ST4PMFS-BLK
RED	ST4PMF-RED	ST4PMFS-RED
GREEN	ST4PMF-GRN	ST4PMFS-GRN
WHITE	ST4PMF-WHT	ST4PMFS-WHT
BLUE	ST4PMF-BLUE	ST4PMFS-BLUE



Tapping "T"



Paralleling "T"



Adaptors

Color	Female/Female/Male	Male/Male/Female	Male/Male	Female/Female
BLACK	ST4TT-BLK	ST4PT-BLK	ST4MM-BLK	ST4FF-BLK
RED	ST4TT-RED	ST4PT-RED	ST4MM-RED	ST4FF-RED
GREEN	ST4TT-GRN	ST4PT-GRN	ST4MM-GRN	ST4FF-GRN
WHITE	ST4TT-WHT	ST4PT-WHT	ST4MM-WHT	ST4FF-WHT
BLUE	ST4TT-BLUE	ST4PT-BLUE	ST4MM-BLUE	B3F-BLUEST4FF

PROTECTIVE CAPS



Color	Male	Female
BLACK	STPCM-BLK	STPCF-BLK
RED	STPCM-RED	STPCF-RED
GREEN	STPCM-GRN	STPCF-GRN
WHITE	STPCM-WHT	STPCF-WHT
BLUE	STPCM-BLUE	STPCF-BLUE



Studio Lighting Connectors

CSA Approved

CSA APPROVED

OVAL STUDIO LIGHTING CONNECTORS

No. of Contacts	AWG		Amps		Volts	Insert Sleeve		Plug Sleeve	
3	12		30		600	BLACK		569371-7M	
									
569371-7M Terminal Insert	569371-77 G+N Panel Mount	569371-77 DG Panel Mount	569371-77 DGN Panel Mount	569371-8F Terminal Insert	569371-88 G+N Panel Mount	569371-88 DG Panel Mount	569371-88 DGN Panel Mount	355689 Plug Sleeve	

No. of Contacts	AWG				Amps	Volts	Insert Sleeve	Plug Sleeve	
3	6				65	600	ORANGE	569372-7M	
									
569372-7M Terminal Insert	569372-77 G+N Panel Mount	569372-77 DG Panel Mount	569372-77 DGN Panel Mount	569372-8F Terminal Insert	569372-88 G+N Panel Mount	569372-88 DG Panel Mount	569372-88 DGN Panel Mount	1357723-2 Plug Sleeve	

ROUND STUDIO LIGHTING CONNECTORS



No. of Contacts	AWG	Amps	Volts	Insert Sleeve	Male	Female	Plug Sleeve
4	6	100	600	ORANGE	569373-7M	569373-8F	1357724-1
4	2	150	600	BLACK	569221-7M	569221-8F	1357722-1



MOUNTING SHELL

504819-1 for flush mounting of 569373 inserts



Cable Coupler Selection Guide

PORTABLE CABLE SYSTEMS COUPLERS/PLUGS-RECEPTACLES CABLE COUPLERS IDENTIFICATION &

APPLICATION

Basic nomenclature identifies the metallic shell (Plug or Socket) first, the type of contact (Male or Female) second. For switchgear or other non-cable mounted units, the letter G suffix designation is added. Example

of the PLM Catalog number system is as listed:

PMG 415A	Plug, male contacts, switchgear mount, with ground check contact.
PML 415A	Plug, male contacts, line mount, with ground check contact.
SFL 415A	Socket, female contacts, line mount, with ground check contact.
SFG 415A	Socket, female contacts, switchgear mounted, with ground check contact.

PLM CABLE COUPLER SELECTION GUIDE

*** Thread**

*Q Prefix PLM Quick Thread style double start Acme thread

T Quick Turn Ramp Style

B Bolted Quick-Flip

X Permissible

Blank Standard Thread

Housing

S Socket
P Plug

Contacts

F Female
M Male

Mounting

G Gear Mount
L Line Mount

VOLTAGE CLASS & END BELL SIZE

Fiberglass Insulator **475 or 575**

EPDM Insulator **415 or 515** Dura-Tube

Nylon Polymer Insulator **055 X Series** Permissible

Ground Check

A One Contact Included

AA Two Contacts

AAA Three Contacts

AAAA Four Contacts

ADDED FEATURES

-B Interlock contacts in cover for plug

-BB Interlock contacts in cover for socket

-C Kirklock sockets only

-D Pan skid mount

-L Insulation in plug cover

-N Non-interchangeable amperage or voltage index

-P Padlock provision socket

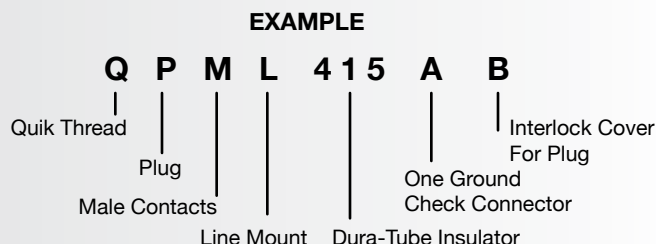
-R Insulation in socket cover

-TF Teflon Insulator

-Z Beryllium contacts

To Order, Provide:

- Conductor sizes of phase, ground wires, and ground check wire.
- Overall cable diameter.



Applications

- Extending Portable Cables
- Mine Power Centers
- Electric Shovels, Drills, Draglines
- Tunneling Machines
- Transformer Connections
- Barge, Ship-Dock Applications
- Turbine Generators
- Motor Disconnect 600V-15kV to 500 Amp
- Filling Compounds

Features

- Corrosion-Resistant Aluminum
- Electrically Tested Insulator
- Silver-Plated Copper Contacts
- Ground Check System
- Portable Cable Connections
- Switchgear or Equipment Mounting
- Standard Cover Included
- FSD Terminations Included
- Interlock Covers Available

Benefits

- Physical, Electrical Protection
- Quick, Connect-Disconnect
- Provides Proper Phase Alignment
- Longer Coupler Life
- Entirely Watertight
- Easy Installation

Compliance

- Pennsylvania Bureau of Deep Mine Safety

415/515 Series Cable Couplers (Standard EPDM Insulators)

15KV, 500 AMP



OPTIONS AVAILABLE AT ADDITIONAL COST

Catalog Number Suffix

Additional Options

-A	Ground check circuit contact (1) included
-AA	Two ground check circuit contacts
-B	Cover interlock for plug
-BB	Cover interlock for socket
-C	Kirk interlock (key type)-sockets only
-E	Electrolytic copper contacts-female
-L	Cover/insulator assembly for plug
-N	Non-interchangeable amperage or voltage index
-P	Padlock provision-socket
-R	Cover/insulator assembly for socket
-Z	Beryllium contacts-male
-TF	Teflon Insulator

Features

- Corrosion-resistant aluminum
- Rigid, non-breakable EPDM insulators
- 500 Amp contacts
- Portable cable mounting
- Switchgear or equipment mounting
- Standard cover, stress control kit instructions included

Benefits

- Superior electrical and physical protection
- Fewer mating problems
- Quicker installation
- Quick connect-disconnect
- Versatile application

Compound is not included and is not required up to 7,500 volts. Above 7,500 Volts and when compound is required, use COLDPOUR® Compound. Do not use asphalt compound with EPDM style couplers. Compound mandatory for 15kv.

Catalog Number Standard Threads	Catalog Number ACME Quick-Thread	Catalog Number Quick-Turn	Catalog Number Quick-Flip	Description	Ship Wt. (lbs.)
SFG 415A PMG 415A	QSFG 415A QPMG 415A	TSFG 415A TPMG 415A	BSFG 415A BPMG 415A	Equipment mounted couplers Socket, Female Contacts Plug, Male Contacts	34 34
SFL 415A PML 415A	QSFL 415A QPML 415A	TSGL 415A TPML 415A	BSFL 415A BPML 415A	Line-mounted couplers 1.50 - 3.50 O.D. Cables Socket, Female Contacts Plug, Male Contacts	51 51
SFL 515A PML 515A	QSFL 515A QPML 515A	TSFL 515A TPML 515A	BSFL 515A BPML 515A	3.50 - 4.50 O.D. Cables Socket, Female Contacts Plug, Male Contacts	53 53

Electrical Characteristics

415/515 Series Cable Couplers (Standard EPDM Insulators)

15KV, 500 AMP



Electrical Characteristics

- Maximum Voltage Phase-to-Ground
- 1 Minute Dry Withstand AC
- 6 Hour Dry Withstand DC
- 15 Minute Dry Withstand DC
- Corona Extinction level
- Basic Impulse level

No Compound

5.5 KV rms
35.0 KV rms
25.0 KV rms
65.0 KV rms
7.5KV rms
75.0KV crest

With Compound

8.7 KV rms
45.0 KV rms
35.0 KV rms
75.0 KV rms
11.0 KV rms
95.0 KV crest

All tests per IEEE Standard 48-1990

415/515 Series Cable Couplers (Teflon Insulators)

15KV, 500 AMP



Electrical Characteristics

- Maximum Voltage Phase-to-Ground
- 1 Minute Dry Withstand AC
- 6 Hour Dry Withstand AC
- 15 Minute Dry Withstand DC
- Corona Extinction Level
- Basic Impulse Level

No Compound

5.5 KV rms
35.0 KV rms
25.0 KV rms
65.0 KV rms
7.5KV rms
75.0KV crest

With Compound

8.7 KV rms
45.0 KV rms
35.0 KV rms
75.0 KV rms
11.0 KV rms
95.0 KV crest

All tests per IEEE Standard 48-1990

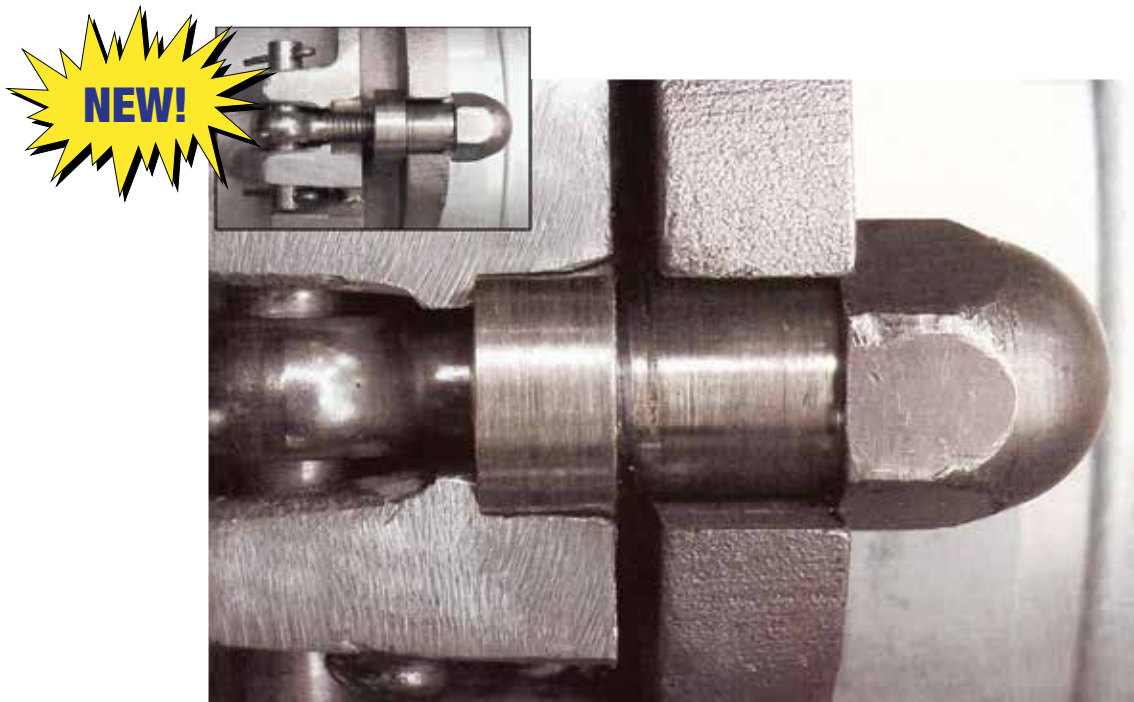
Connection Options

Quik-Flip Bolted Coupler Connection

PLM's new Quik-Flip connection option is ideal for harsh environments where excessive dirt and other contaminants can seize threads and cause coupler damage. The innovative flip-bolt design utilizes stainless steel bolts that provide a one-second time delay between ground check and phase contact disengagement.

OTHER OPTIONS (AVAILABLE ON 415/515 AND 475/575 SERIES COUPLERS)

- B-Pitch Thread (standard)
- Quik-Thread Double-Start ACME Thread, (Color-Coded Green. (use prefix "Q" when ordering)
- Quik-Turn Ramp Style Quarter-Turn, Color-coded Orange. (use prefix "T" when ordering)



40"

Catalog Number Quik-Flip EPDM Insulators	Catalog Number Quik-Flip Teflon Insulators
BSFG 415A BPMG 415A	BSFG 415ATF BPMG 415ATF
BSFL 415A BPML 415A	BSFL 415ATF BPML 415ATF
BSFL 515A BPML 515A	BSFL 515ATF BPML 515ATF

Conversion Kits QT

Any cable coupler, line mount or gear mount, may be converted to Quik-Thread, Quik-Turn, or Quik-Flip style. These style couplers will not mate with standard 8 pitch thread couplers; therefore, it is necessary to change the socket body, lock ring, and covers. Select the correct conversion plug or socket kit from the table below. Kits include only the thread parts which must be changed, plus new screws and gaskets.



Catalog Number Standard Threads	Acme Thread Parts Furnished	Description
QKP-8 TKP-8 BKP-8	Plug cover and lock ring	Replacement for plug-style couplers. Includes plain cover (without drilling for pilot or ground contacts).
QKP-M/F-8 TKP-M/F-8	Plug cover (drilled for pilot and ground contacts) and left ring	Replacement for plug-style couplers. Includes cover drilled for ground and pilot contacts (male or female), Customer to use existing contacts.
QKP-M/F-15 TKP-M/F-15	Plug cover (drilled for pilot and ground contacts and for cover insulator assembly) and lock ring	Replacement for plug-style couplers. Includes over drilled for ground and pilot contacts (male or female) and for cover insulator assembly. Customer to use existing contacts and cover insulator assembly.
QKS-8 TKS-8 BKS-8	Socket cover and socket body	Replacement for socket-style couplers. Includes over ring to be used with existing cover. Customer to use existing contacts.
QKS-M/F-8 TKS-M/F-8	Socket cover ring and socket body	Replacement for socket-style couplers Includes cover ring to be used with existing cover and cover insulator assembly. Customer to use existing contacts.
QKS-M/F-15 TKS-M/F-15	Socket cover ring and socket body	Replacement for socket-style couplers Includes cover ring to be used with existing cover and cover insulator assembly. Customer to use existing contacts.

Accessories

Coupler Contact Insulation (Cleaning Kit)

Compound filling can prevent condensation and provide added protection in wet locations. Asphaltic compounds cannot be used with EPDM insulation's. For those customers who may wish to use compound, ADALET offers a COLDPOUR® compound which does not require heating for installation or removal. Suitable for all couplers. No shrinkage or waste. Approximately 2-hour gel time.

Catalog Number	Description	Ship Wt. (lbs.)
CP-24	1-5/8 gal. 2-part mix for one LINE mount or two GEAR mount couplers, Series 415 or 475 coupler.	13
CP-50	1-7/8 gal. 2-part mix for one LINE mount Series, 515 or 575 coupler.	14
CP-55	2-1/4 gal. 2-part mix for one Suffix-X LINE mount coupler with extended end bell.	24



*Shelf life, 6 mos. Should be installed at normal room temperature.

Coupler Contact Insulation (Cleaning Kit)

Dirt contamination can cause electrical failures. The mating contact insulators can be efficiently cleaned with the PCK100 Cleaning Kit.

Kit consists of 16-oz. aerosol can of non-flammable electrical parts cleaner, bristle brush, two white wiping cloths and polyethylene glove. Ozone-safe spray can contains no fluorocarbons.

Catalog Number	Description	Ship Wt. (lbs.)
PCK-100	Cleaning Kit	1-1/2



Accessories

Replacement Coupler Insulators

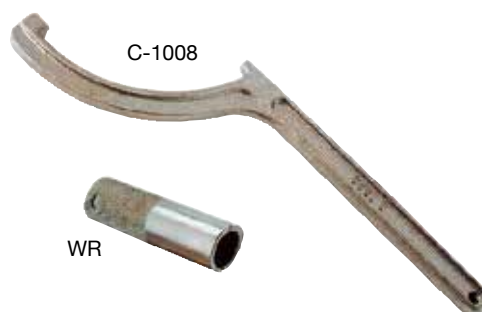
Insulator kits to replace polyester fiberglass and cone seal style insulators. Complete package includes rigid, unbreakable insulator tubes with flame-retardant flange and all necessary conductor and insulation shield terminating material except contacts. May be used with existing PLM Couplers. Add COLDPOUR® for 15kV applications.



Catalog Number	Description	Ship Wt. (lbs.)
K 415 F	For female line plugs or sockets.	10
K 415 M	For male line plugs or sockets.	10
K 415 FG	For female gear-mount plugs or sockets.	8
K 415 MG	For male gear-mount plugs or sockets.	8

Coupling and Contact Wrenches

Catalog Number	Description	Ship Wt. (lbs.)
WR	Contact wrench for 415, 515, 475, S75 series.	1
C-1008	Coupling wrench (Aluminum) for 415, 515, 475, 575 series.	1
C-1008-S	Coupling wrench (Steel) for 415, 515, 475, 575 series.	3



Spare Parts

PLM phase and ground contacts can be modified to meet your specific cable requirements. Simply specify the phase and ground conductor diameter and PLM will machine the parts to your specifications.



PLM couplers and accessories are utilized in some of the world's most extreme environments. PLM offers a full line of spare parts for use in maintaining, rebuilding, or repairing used couplers. All individual coupler parts are available for purchase. Most are in stock (and available for immediate shipment. Contact PLM or your local PLM distributor for price and availability information.



SMS Office Directory

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Fax: 847-656-5094

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Tel: 618-932-2151 • Fax: 618-937-2715

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South Illinois St.

PO Box 172, Petersburg, Indiana 47567
Tel: 812-354-9104 • Fax: 812-354-2176

KENTUCKY

2180 Highway 70 West, Central City, Kentucky 42330
Tel: 270-754-9911 • Fax: 270-754-9894

CANADIAN OFFICE - TORONTO

Sales & Technical Support

Canada: 416-710-0965
Fax: 847-656-5094

WWW.SMSCONNECTORS.COM

Fittings For Metal Clad Cable

FEATURES/BENEFITS

- Slip-on design with no disassembly for easy installation.
- Neoprene bushing for raintight seal.
- Locknuts, bushings and flange gasket included - no additional materials to purchase.
- Flange gasket prevents moisture penetration through threads.
- Made from copper-free aluminum alloy for corrosion resistance.
- Fits broad range - .351-4.62 cable O.D.

APPLICATION

- For terminating metal clad cable

CERTIFICATION



TO ORDER

DETERMINE SATISFACTORY FIT BY CHECKING CABLE DIMENSIONS A AND B. IF CABLE DIMENSIONS DO NOT FALL WITHIN ACCEPTABLE RANGE, CONSULT FACTORY.

Catalog Number Ship Wt.	A Dia. Over Jacket		B Core Dia.	C Max. Cable Size	D Conduit O.D.	E Fitting Overall	Length (Lbs.)
JAG 45-0S	.35	.45	.61	1/2	1-5/8	2-1/4	1/4
JAG 55-0S	.45	.55	.61	1/2	1-5/8	2-1/4	1/4
JAG 65-0S	.55	.65	.61	1/2	1-5/8	2-1/4	1/4
JAG 75-0S	.65	.75	.61	1/2	1-5/8	2-1/4	1/4
JAG 85-0S	.75	.85	.61	1/2	1-5/8	2-1/4	1/4
JAG 95-0S	.85	.95	.61	1/2	1-5/8	2-1/4	1/4
JAG 99-07	.85	.99	.81	3/4	2	2-5/8	1/3
JAG 107-07	.92	1.07	.81	3/4	2	2-1/4	1/3
JAG 113-07	.98	1.13	.81	3/4	2	2-1/4	1/3
JAG 121-07	1.07	1.21	.81	3/4	2	2-1/4	1/3
JAG 112-10	1.00	1.12	1.00	1	2-3/8	3-1/16	1/2
JAG 125-10	1.12	1.25	1.00	1	2-3/8	3-1/16	1/2
JAG 138-10	1.22	1.38	1.00	1	2-3/8	3-1/16	1/2
JAG 138-12	1.28	1.38	1.25	1-1/4	2-7/8	3-3/8	2/3
JAG 156-12	1.38	1.56	1.25	1-1/4	2-7/8	3-3/8	2/3
JAG 174-12	1.56	1.74	1.25	1-1/4	2-7/8	3-3/8	2/3
JAG 188-12	1.74	1.88	1.25	1-1/4	2-7/8	3-3/8	2/3
JA6 174-15	1.60	1.74	1.63	1-1/2	3-1/4	4-1/16	1
JAG 188-15	1.74	1.88	1.63	1-1/2	3-1/4	4-1/16	1
JAG 200-15	1.88	2.00	1.63	1-1/2	3-1/4	4-1/16	1
JAG 218-15	2.00	2.18	1.63	1-1/2	3-1/4	4-1/16	1
JAG 219-20	2.05	2.19	2.09	2	4	4-5/16	1-1/2
JAG 236-20	2.19	2.36	2.09	2	4	4-5/16	1-1/2
JAG 247-20	2.35	2.47	2.09	2	4	4-5/16	1-1/2
JAG 261-20	2.47	2.61	2.09	2	4	4-5/16	1-1/2
JAG 263-25	2.46	2.63	2.49	2-1/2	4-23/32	5-7/16	2-1/2
JAG 280-25	2.62	2.80	2.49	2-1/2	4-23/32	5-7/16	2-1/2
JAG 296-25	2.80	2.96	2~49	2-1/2	4-23/32	5-7/16	2-1/2
JAG 297-30	2.80	2.97	3.11	3	5-3/32	5-3/4	3
JAG 311-30	2.95	3.11	3.11	3	5-3/32	5-3/4	3
JAG 327-30	3.10	3.27	3.11	3	5-3/32	5-3/4	3
JAG 343-30	3.26	3.43	3.11	3	5-3/32	5-3/4	3
JAG 359-30	3.42	3.59	3.11	3	5-3/32	5-3/4	3
JAG 375-35	3.52	3.75	3.61	3-1/2	5-11/16	5-13/16	3-1/4
JAG 392-35	3.75	3.92	3.61	3-1/2	5-11/16	5-13/16	3-1/4
JAG 412-35	3.90	4.12	3.61	3-1/2	5-11/16	5-13/16	3-1/4
JAG 423-40	4.05	4.23	4.11	4	6-3/32	5-13/16	3-1/2
JAG 437-40	4.20	4.37	4.11	4	6-3/32	5-13/16	3-1/2
JAG 4S1-4B	4.34	4.51	4.11	4	6-3/32	5-13/16	3-1/2
JAG 462-40	4.43	4.62	4.11	4	6-3/32	5-13/16	3-1/2

Our **2013 Product Catalog** is available in Adobe PDF format allowing you to search and view our products.

Use the Adobe Acrobat or Acrobat Reader (or similar PDF file viewer application) “Find” command (**Edit > Find**) to search for specific SMS products and product numbers.

For landscape oriented pages, select **View > Rotate View** from the menu to rotate pages 90° for easier reading.



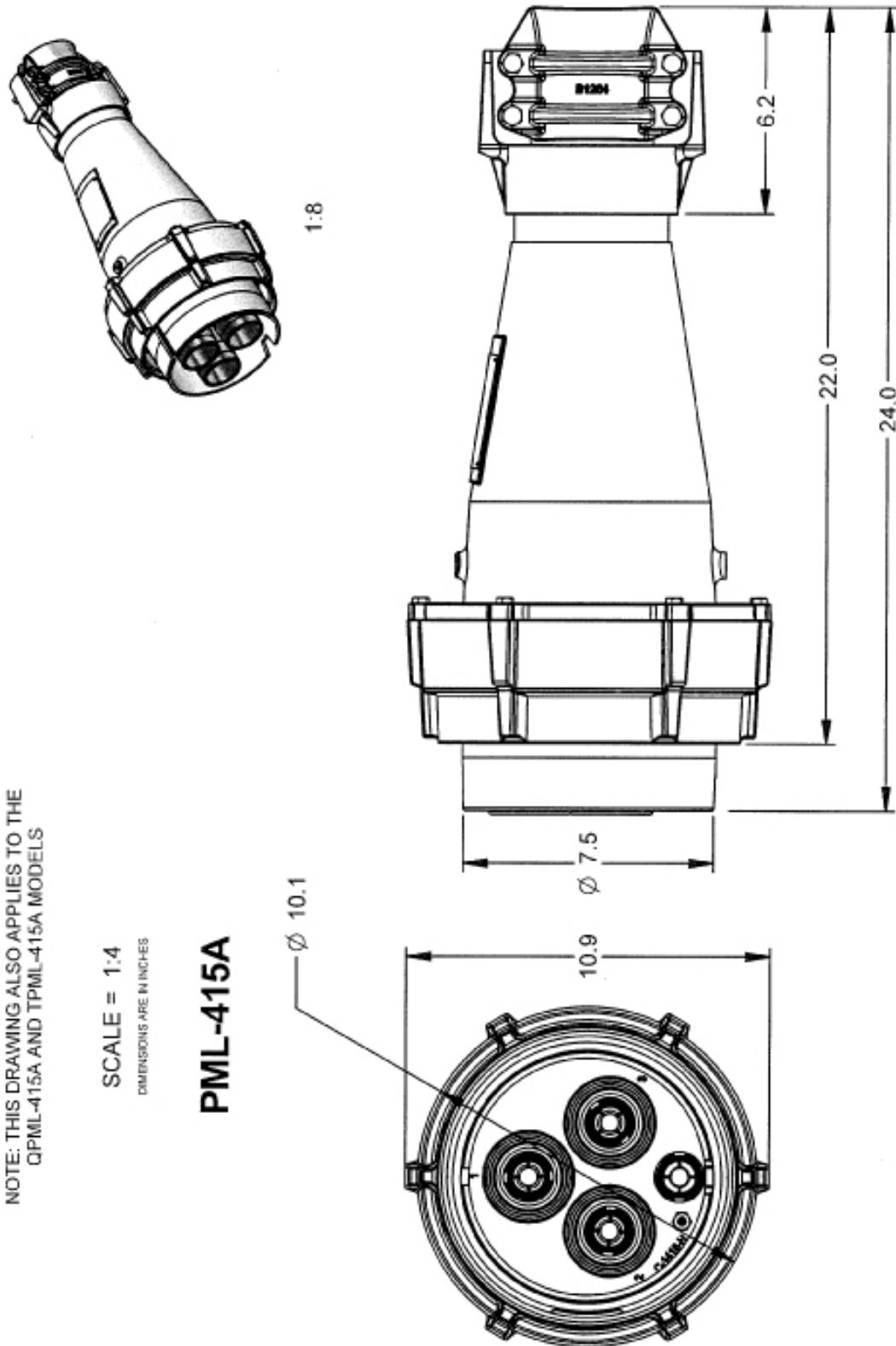
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Notes

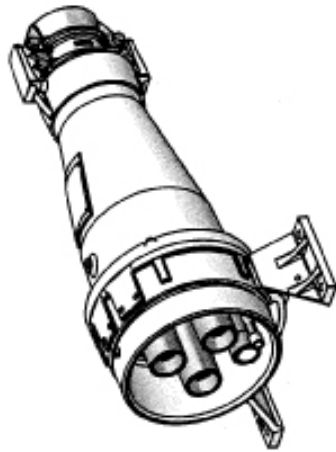
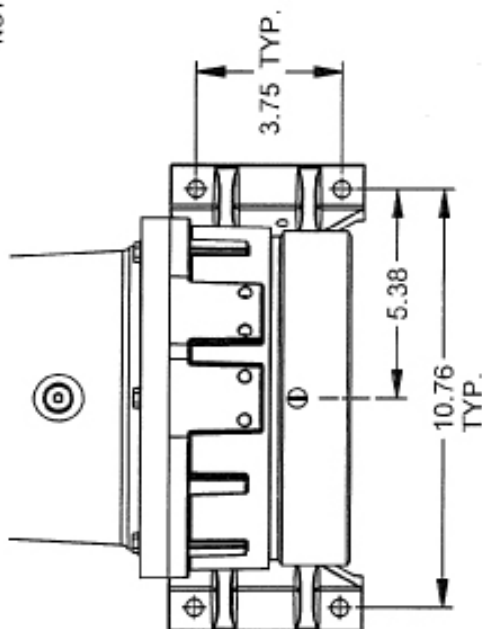
This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



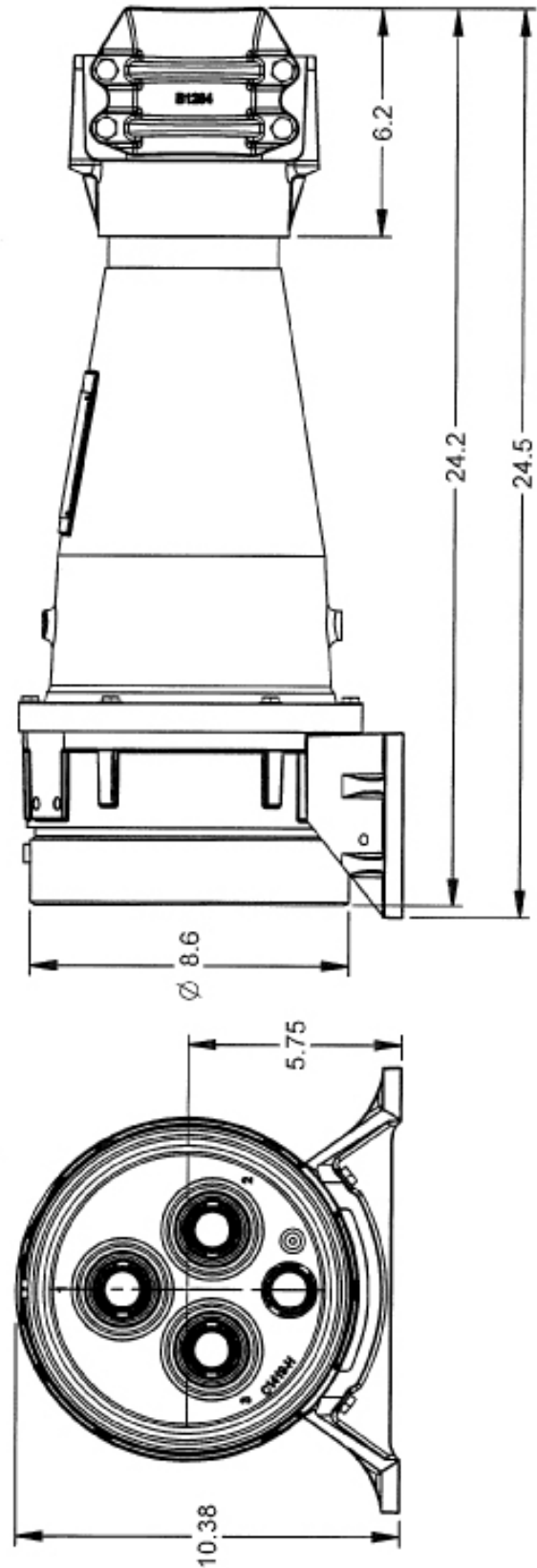
NOTE: THIS DRAWING ALSO APPLIES TO THE
QSFL-415A AND TSFL-415A MODELS

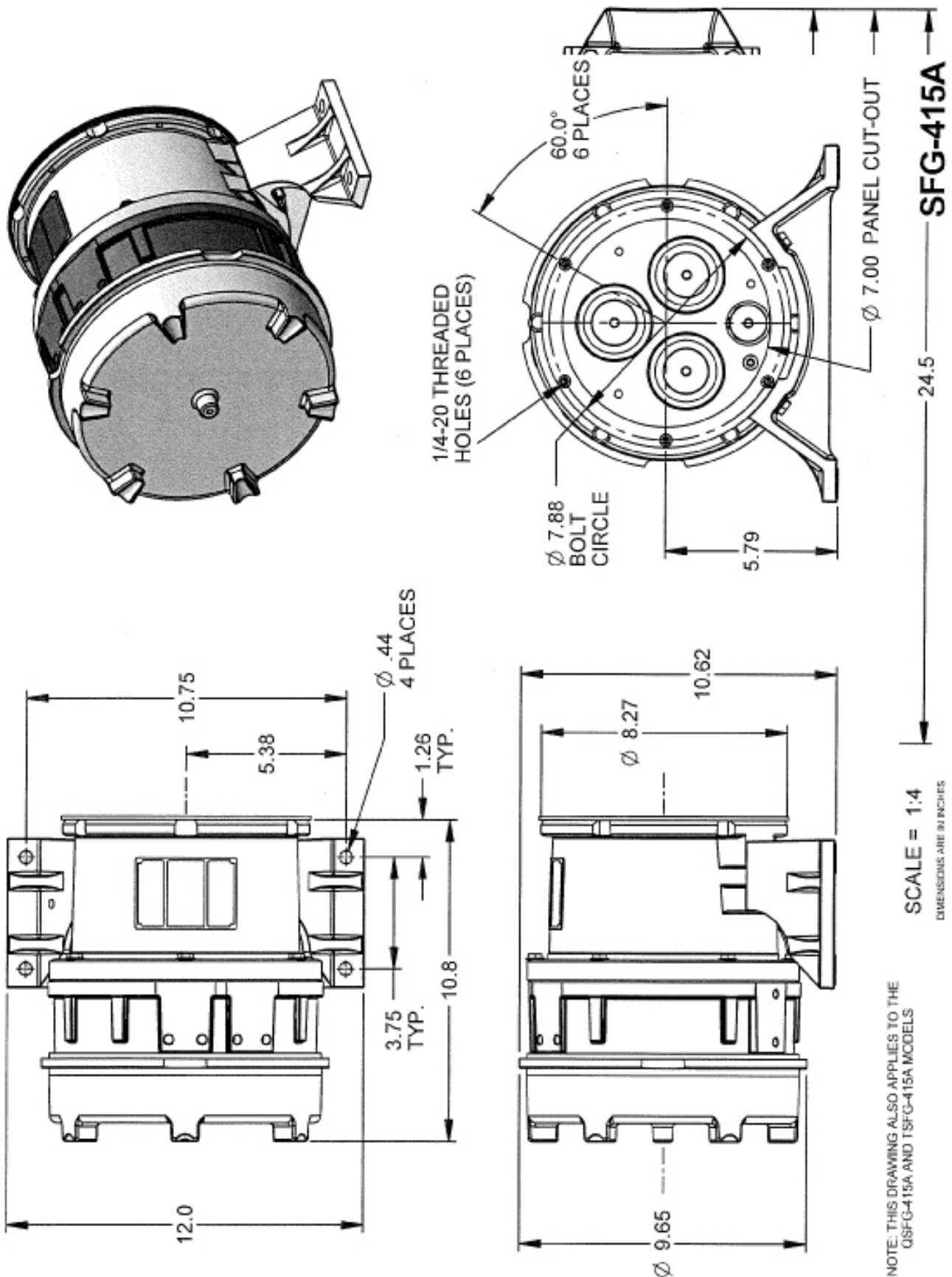
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DIMENSIONS ARE IN INCHES

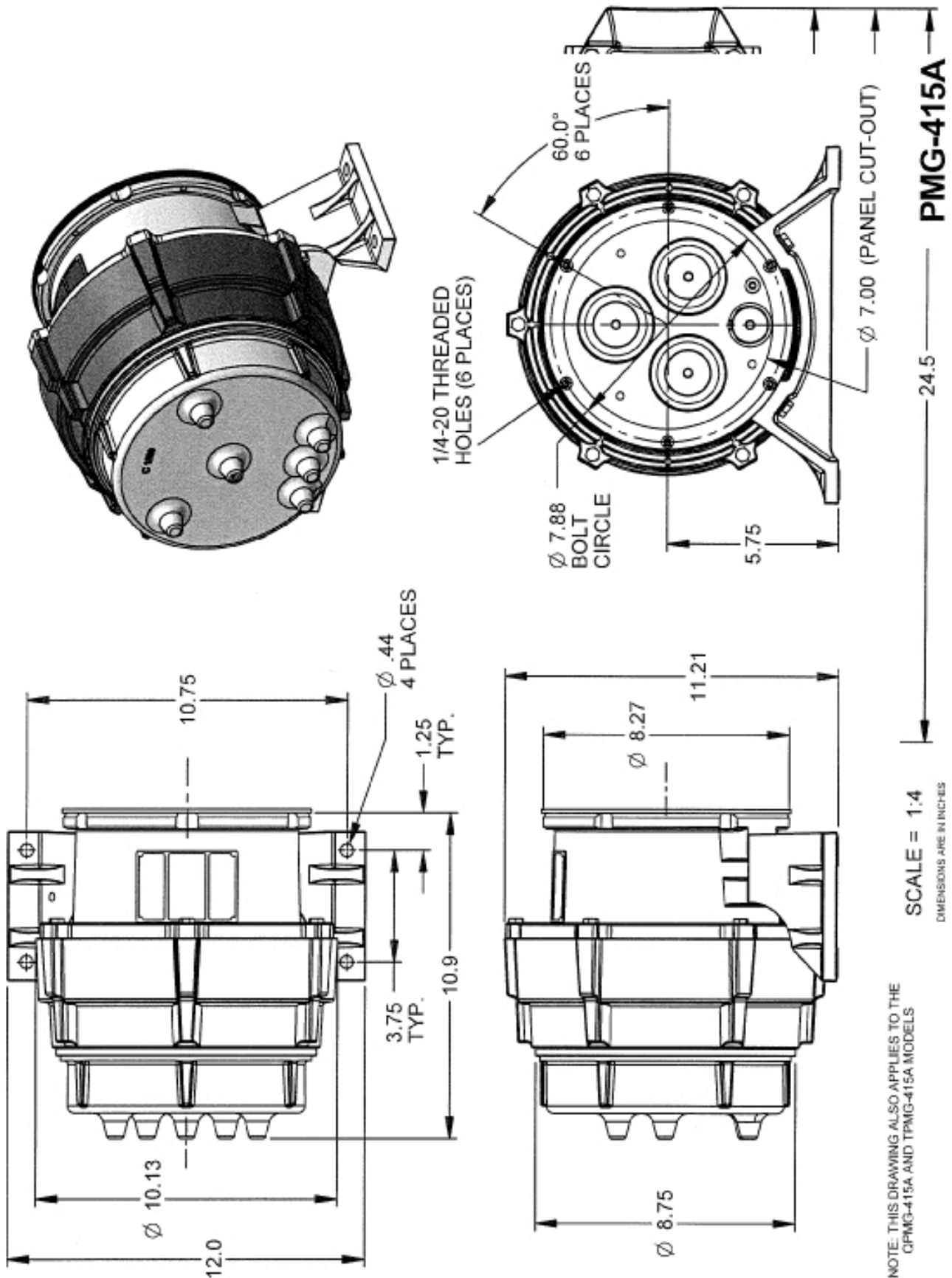
SFL-415A



1:8







NOTE: THIS DRAWING ALSO APPLIES TO THE
CPMG-415A AND TPMG-415A MODELS



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