

## 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

- 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

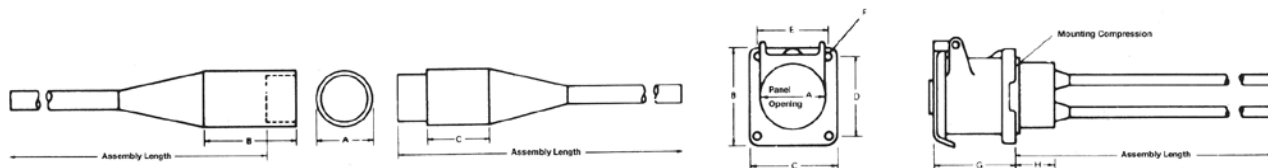


| Cable Size                                    | Amp Rating | Lead Length | Male   | Female | Male Chainlock | Female Chainlock |
|-----------------------------------------------|------------|-------------|--------|--------|----------------|------------------|
| <b>Single Conductor Connectors (600 VOLT)</b> |            |             |        |        |                |                  |
| 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

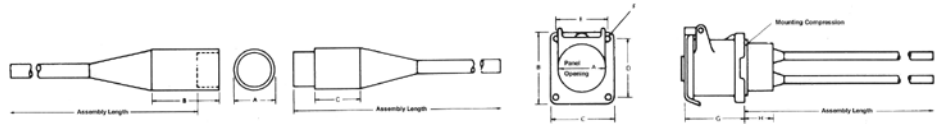
### PLUG

### RECEPTACLE

| ELECTRICAL DATA |     |      |              |              | Description |                  | PART NUMBERS       |                    | Assembly Length | DIMENSIONS<br>(Approx. Inches) |                |       | PART NUMBERS |        |         |         | Assembly Length | DIMENSIONS<br>(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 |
| 2               | 12  | SO   | 20           | 600          | Pin Size    | Female Shroud    | 8437-33<br>8437-50 | 8437-32<br>8437-51 | 28" 10"         | 1 1/4                          | 2 5/8          | 3 1/4 | -            | -      | -       | -       | -               | -                              | -     | -     | - | -     |      |        |        |
| 3               | 14  | SO   | 15           | 600          | Pin Size    | Full Male Shroud | 8108-3<br>8108-107 | 8108-1<br>8108-109 | 28" 10"         | 1 1/4                          | 2 3/16         | 1 5/8 | -            | -      | -       | -       | -               | -                              | -     | -     | - | -     |      |        |        |
| 3               | 12  | SO   | 20           | 600          | Central Key | Full Male Shroud | 8118-1<br>8118-63  | 8118-4<br>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      |

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## Round Connectors



### DATA

### PLUG

### RECEPTACLE

| ELECTRICAL DATA |     |    |            |     | Description    |                  | PART NUMBERS |                               |                               | Assembly Length | DIMENSIONS<br>(Approx. Inches) |         |        | PART NUMBERS   |   |                                                            |         | Assembly Length | DIMENSIONS<br>(Approx. Inches) |                |                |                |                |              |                |                    |   |   |   |   |
|-----------------|-----|----|------------|-----|----------------|------------------|--------------|-------------------------------|-------------------------------|-----------------|--------------------------------|---------|--------|----------------|---|------------------------------------------------------------|---------|-----------------|--------------------------------|----------------|----------------|----------------|----------------|--------------|----------------|--------------------|---|---|---|---|
| No. of Cont.    | #8  | #8 | TYPE       | AMP | VOLTS          | Polarized By     | Type of Seal | Male                          | Female                        |                 | A                              | B       | C      | Without Covers |   | With Covers                                                |         |                 | Male                           | Female         | Male           | Female         | A              | B            | C              | D                  | E | F | G | H |
|                 |     |    |            |     |                |                  |              |                               |                               |                 |                                |         |        |                |   |                                                            |         |                 |                                |                |                |                |                |              |                |                    |   |   |   |   |
| 4               | 12  | SO | 16         | 600 | Pin Size       | Fem. Shroud      |              | 8510-1<br>8510-99             | 8510-2<br>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<br>8121-32<br>8121-74 | 8121-24<br>8121-31<br>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               | 2   | W  | 75         | 600 | Pin Size       | Full Male Shroud |              | 8728-4<br>8728-20             | 8728-3<br>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*<br>8131-36           | 8131-21*<br>8131-39           | 30" 30"         | 2 7/8                          | 6 1/2   | 4      | -              | - | -                                                          | -       | -               | -                              | -              | -              | -              | -              | -            | -              | -                  |   |   |   |   |
| 4               | 4/0 | SO | 100<br>180 | 600 | Pilots         | Full Male Shroud |              | X1806-71                      | X1806-70                      | Field Attach    | 4 3/8                          | 13      | 4 7/16 | -              | - | 1806-110<br>(1/0 AWG)<br>1806-387<br>1806-331<br>(4/0 AWG) | 1806-91 | 20"<br>24"      | 3 3/8<br>3 3/8                 | 4 1/2<br>4 1/2 | 4 1/2<br>4 1/2 | 3 1/2<br>3 1/2 | 3 1/2<br>3 1/2 | 7/16<br>7/16 | 4 5/8<br>4 5/8 | 1 13/16<br>1 13/16 |   |   |   |   |

\* Type PCG Cable-Pilots carried through

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4  
POLE

5  
POLE

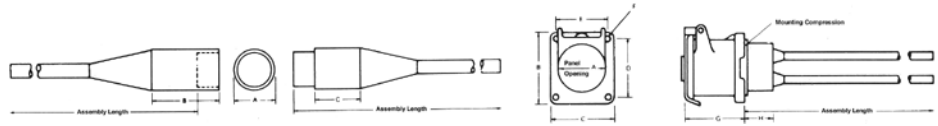
6  
POLE

| No. of Cont. | ELECTRICAL DATA |      |     |             | Description  |                  | PART NUMBERS       |                   | Assembly Length | DIMENSIONS<br>(Approximate Inches) |       |             | PART NUMBERS |      |        |        | Assembly Length | DIMENSIONS<br>(Approx. Inches) |       |       |   |       |      |        |     |   |
|--------------|-----------------|------|-----|-------------|--------------|------------------|--------------------|-------------------|-----------------|------------------------------------|-------|-------------|--------------|------|--------|--------|-----------------|--------------------------------|-------|-------|---|-------|------|--------|-----|---|
|              | AWG             | TYPE | AMP | #8<br>VOLTS | Polarized By | Type of Seal     | Male               | Female            |                 | Without Covers                     |       | With Covers |              | Male | Female | Male   |                 | Female                         | A     | B     | C | D     | E    | F      | G   | H |
|              |                 |      |     |             |              |                  |                    |                   |                 |                                    |       |             |              |      |        |        |                 |                                |       |       |   |       |      |        |     |   |
| 5            | 12              | SO   | 16  | 600         | Central Key  | Full Male Shroud | 8125-3<br>8125-44  | 8125-6<br>8125-72 | 28"<br>10"      | 1 5/8                              | 2 3/4 | 1 3/4       | -            | -    | -      | -      | -               | -                              | -     | -     | - | -     | -    | -      | -   |   |
| 6            | 12              | SO   | 16  | 600         | Central Key  | Full Male Shroud | 8127-12<br>8127-84 | 8127-9<br>8127-79 | 28"<br>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 |   |

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### DATA

### PLUG

### RECEPTACLE

**8  
POLE**

**9  
POLE**

**10  
POLE**

**12  
POLE**

**16  
POLE**

| No. of Cont. | ELECTRICAL DATA |         |              |              | Description |             | PART NUMBERS        |                              | Assembly Length | DIMENSIONS<br>(Approx. Inches) |         |        | PART NUMBERS |   |         |         | Assembly Length | DIMENSIONS<br>(Approx. Inches) |        |       |       |       |      |       |     |   |   |  |
|--------------|-----------------|---------|--------------|--------------|-------------|-------------|---------------------|------------------------------|-----------------|--------------------------------|---------|--------|--------------|---|---------|---------|-----------------|--------------------------------|--------|-------|-------|-------|------|-------|-----|---|---|--|
|              | #8              | #8      | Polarized By | Type of Seal | Male        | Female      | Without Covers      |                              |                 | With Covers                    |         | A      | B            | C | Male    | Female  |                 | Male                           | Female | A     | B     | C     | D    | E     | F   | G | H |  |
|              |                 |         |              |              |             |             |                     |                              |                 |                                |         |        |              |   |         |         |                 |                                |        |       |       |       |      |       |     |   |   |  |
| 8            | 10              | SO      | 18           | 600          | Central Key | Fem. Shroud | 8094-8<br>8094-63   | 8094-10<br>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            | 10              | Control | 18           | 600          | Pin Size    | Fem. Shroud | 8091-15<br>8091-31  | 8091-14<br>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<br>8097-74  | 8097-12<br>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   |   |   |  |
| 12           | 12              | Control | 20           | 600          | Central Key | Fem. Shroud | -                   | 8402-31<br>8402-2<br>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<br>8101-127 | 8101-27<br>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           | 12              | Control | 10           | 600          | Central Key | Fem. Shroud | 8431-29<br>8431-115 | 8431-8<br>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 |   |   |  |

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