Cord and Cable Fittings

Application:

- CGB, CGD and CGE cord and cable fittings with neoprene bushing are for use with portable cords and Types MV (unarmored), ST, TC, SE (round), TC and UF cables.
- CGB, CGD and CGE cord and cable fittings are installed to:
  - Provide means for passing a cord, cable (unarmored) or flexible conduit into an enclosure, through a bulkhead or into a rigid conduit.
  - Form an environmental seal for cord or unarmored round cables.
  - Form a secure connection or termination for flexible cord, cable (unarmored), or flexible conduit.

Features:

- Rugged construction protects cord and cable from damage.
- Compact, permitting close grouping of several cords and/or cables.
- Tightening one nut makes watertight seal.
- Large range of NPT sizes for use with any conduit system.

Standard Materials:

- CGB series – Form A through Form D bodies and gland nuts – steel. Form E & F bodies and gland nuts – Feraloy® iron alloy.
- CGD & CGE series – all bodies are Feraloy iron alloy. Form A through Form D gland nuts – steel. Form E & F gland nuts – Feraloy iron alloy.
- PT, TC, SE (round), TC and UF cables.

Standard Finishes:

- Steel – zinc electroplate with chromate finish coat.
- Feraloy – electrogalvanized and aluminum acrylic paint.

Size Ranges:

- Cable O.D. – .125" to 2.500".
- NPT thread – "W" to 3".

Certifications and Compliances:

- UL Standard: 548B.
- NEC: Class I, Division 2*, Group B, C, D.
- Wet Locations.
- CEC: Class II, Division 1, Groups E,F,G; Class II, Division 2, Groups F,G; Class III.

Dimensions (see next page)

**For description of symbols, see page 65.**

Continued on page 65.

Dimensions (see next page)

**For description of symbols, see page 65.**
Straight Body Male Thread
Sizes 3/8" – 3"

Dimensions (see previous page for line art)

PORTABLE CORD SELECTION CHART**

2 conductors

<table>
<thead>
<tr>
<th>Cord Type</th>
<th>S, SV, SVT</th>
<th>S, SJ, SJT</th>
<th>S, ST, ST, STD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cord Size</td>
<td>#18</td>
<td>#16</td>
<td>#14</td>
</tr>
</tbody>
</table>

3 conductors

<table>
<thead>
<tr>
<th>Cord Type</th>
<th>S, SV, SVT</th>
<th>S, SJ, SJT</th>
<th>S, ST, ST, STD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cord Size</td>
<td>#18</td>
<td>#16</td>
<td>#14</td>
</tr>
</tbody>
</table>

4 conductors

<table>
<thead>
<tr>
<th>Cord Type</th>
<th>S, SV, SVT</th>
<th>S, SJ, SJT</th>
<th>S, ST, ST, STD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cord Size</td>
<td>#18</td>
<td>#16</td>
<td>#14</td>
</tr>
</tbody>
</table>

5 conductors

<table>
<thead>
<tr>
<th>Cord Type</th>
<th>S, SV, SVT</th>
<th>S, SJ, SJT</th>
<th>S, ST, ST, STD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cord Size</td>
<td>#18</td>
<td>#16</td>
<td>#14</td>
</tr>
<tr>
<td>Diameter, prox.</td>
<td>.450</td>
<td>.480</td>
<td>.510</td>
</tr>
</tbody>
</table>

**Cable diameters are approximate and may vary depending on the manufacturer. Check cord/cable manufacturer for actual diameters.
† Remove sufficient outer covering of cord or cable to pass conductors through the connector body.
‡ A wide variety of connectors may be made up using combinations of bodies, gland nuts and Neoprene bushings providing all parts are of the same form.
§ Order wire mesh grip separately.
§§ Available in copper-free aluminum. To order, add suffix SA to Cat. No.
* May be used in hazardous locations with specific cords and cables when installed in accordance with NEC/CEC requirements.
Complete with gland nut and Neoprene bushing

Thread Size Form Cord Range Inside Body Dia. Neoprene Bushing* Neoprene Bushing Only Gland Nut Wire Mesh Grip Cat. # Cat. # Cat. # Cat. # Cat. #
1 B .250 to .375 .688 CGB393 CGB19478A BUSH93 NUT94 RPE417-115
1 B .375 to .500 .688 CGB394 CGB19478A BUSH94 NUT94 RPE417-115
1 C .500 to .625 .969 CGB395 CGB4319A BUSH95 NUT96 RPE417-129
1 C .625 to .750 .969 CGB396 CGB4319A BUSH96 NUT96 RPE417-129
1 C .750 to .875 .969 CGB397 CGB4319A BUSH97 NUT96 RPE412-119
1 D .875 to 1.000 .969 CGB398 CGB4319A BUSH98 NUT98 RPE412-120
1 D 1.000 to 1.188 1.031 CGB399 CGB4319A BUSH98 NUT98 RPE412-120
1 D 1.188 to 1.375 1.031 CGB400 CGB4319A BUSH98 NUT98 RPE412-120
1¼ D .875 to 1.000 1.250 CGB404 CGB4322A BUSH98 NUT98 RPE412-121
1¼ D 1.000 to 1.188 1.250 CGB409 CGB4322A BUSH99 NUT98 RPE412-121
1¼ E 1.188 to 1.375 1.250 CGB411 CGB4322A BUSH99 NUT98 RPE433-122
1¼ E 1.375 to 1.625 1.250 CGB413 CGB4322A BUSH99 NUT99 RPE433-122
1½ E 1.625 to 1.875 1.250 CGB415 CGB4322A BUSH99 NUT99 RPE433-122
1½ E 1.875 to 2.000 1.438 CGB508 CGB5397B BUSH98 NUT98 RPE433-122
1½ E 2.000 to 2.250 1.438 CGB509 CGB5397B BUSH98 NUT98 RPE433-122
1½ E 2.250 to 2.500 1.438 CGB511 CGB5397B BUSH98 NUT98 RPE433-122
1½ E 2.500 to 2.750 1.438 CGB513 CGB5397B BUSH98 NUT98 RPE433-122
1½ E 2.750 to 3.000 1.438 CGB515 CGB5397B BUSH98 NUT98 RPE433-122
2 E 1.375 to 1.625 1.675 CGB606 CGB5447B BUSH15 NUT16 RPE433-123
2 E 1.625 to 1.875 1.675 CGB607 CGB5447B BUSH15 NUT16 RPE433-123
2 E 1.875 to 2.188 1.675 CGB609 CGB5447B BUSH15 NUT16 RPE433-123
2 F 2.188 to 2.500 1.875 CGB610 CGB5457B BUSH17 NUT18 RPE433-123
2½ F 2.188 to 2.500 2.062 CGB7913 CGB1278B BUSH13 NUT13 RPE433-123
2½ F 2.500 to 2.875 2.062 CGB7914 CGB1278B BUSH13 NUT13 RPE433-123
3 F 1.875 to 2.188 2.313 CGB8917 CGB17345N BUSH17 17345N
3 F 2.188 to 2.500 2.313 CGB8920 BUSH20 16772N
3 F 2.500 to 2.875 2.313 CGB8923 BUSH23 16772N
3 F 2.875 to 3.250 2.313 CGB8926 BUSH26 16772N
NOTE: Use CGFP series on page 73 for larger sizes.

See page 64 for dimensions.

†† Available in copper-free aluminum. To order, add suffix SA to Cat. No.
* May be used in hazardous locations with specific cords and cables when installed in accordance with NEC/CEC requirements.
† Remove sufficient outer covering of cord or cable to pass conductors through the connector body.
‡ A wide variety of connectors may be made up using combinations of bodies, gland nuts and Neoprene bushings providing all parts are of the same form.
§ Order wire mesh grip separately.
5F Cord and Cable Fittings
45° Angle Body Male Thread
Sizes 1/2" - 3/4"

Complete with gland nut and Neoprene bushing
Body only
Neoprene bushing
Gland nut
Wire mesh grip

CGD 45° With Gland Nut and Tapered Neoprene Bushing†

<table>
<thead>
<tr>
<th>Thread Size</th>
<th>Form</th>
<th>Cord Range Dia.</th>
<th>Inside Body Dia.</th>
<th>Neoprene Bushing Cat. #</th>
<th>Body Only Cat. #</th>
<th>Neoprene Bushing Cat. #</th>
<th>Gland Nut Cat. #</th>
<th>Wire Mesh Grip Cat. #</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4 B</td>
<td>.125 to .250</td>
<td>.500</td>
<td>CGD192</td>
<td>CGD:3832A</td>
<td>BUS92</td>
<td>NUT94</td>
<td>RPE421-119</td>
<td></td>
</tr>
<tr>
<td>1/4 B</td>
<td>.250 to .375</td>
<td>.500</td>
<td>CGD193</td>
<td>CGD:3832A</td>
<td>BUS93</td>
<td>NUT94</td>
<td>RPE421-119</td>
<td></td>
</tr>
<tr>
<td>1/4 B</td>
<td>.375 to .500</td>
<td>.500</td>
<td>CGD194</td>
<td>CGD:3832A</td>
<td>BUS94</td>
<td>NUT94</td>
<td>RPE421-119</td>
<td></td>
</tr>
<tr>
<td>1/4 B</td>
<td>.500 to .625†</td>
<td>.500</td>
<td>CGD195</td>
<td>CGD:3832A</td>
<td>BUS95</td>
<td>NUT94</td>
<td>RPE421-119</td>
<td></td>
</tr>
<tr>
<td>1/4 C</td>
<td>.625 to .750†</td>
<td>.500</td>
<td>CGD196</td>
<td>CGD:3832A</td>
<td>BUS96</td>
<td>NUT95</td>
<td>RPE421-119</td>
<td></td>
</tr>
<tr>
<td>3/4 B</td>
<td>.125 to .250</td>
<td>.688</td>
<td>CGD292</td>
<td>CGD:3867B</td>
<td>BUS92</td>
<td>NUT94</td>
<td>RPE421-119</td>
<td></td>
</tr>
<tr>
<td>3/4 B</td>
<td>.250 to .375</td>
<td>.688</td>
<td>CGD293</td>
<td>CGD:3867B</td>
<td>BUS93</td>
<td>NUT94</td>
<td>RPE421-119</td>
<td></td>
</tr>
<tr>
<td>3/4 B</td>
<td>.375 to .500</td>
<td>.688</td>
<td>CGD294</td>
<td>CGD:3867B</td>
<td>BUS94</td>
<td>NUT94</td>
<td>RPE421-119</td>
<td></td>
</tr>
<tr>
<td>3/4 B</td>
<td>.500 to .625†</td>
<td>.688</td>
<td>CGD295</td>
<td>CGD:3867B</td>
<td>BUS95</td>
<td>NUT94</td>
<td>RPE421-119</td>
<td></td>
</tr>
<tr>
<td>3/4 C</td>
<td>.625 to .750†</td>
<td>.688</td>
<td>CGD296</td>
<td>CGD:3864B</td>
<td>BUS96</td>
<td>NUT95</td>
<td>RPE421-119</td>
<td></td>
</tr>
<tr>
<td>3/4 C</td>
<td>.750 to .875†</td>
<td>.688</td>
<td>CGD297</td>
<td>CGD:3864B</td>
<td>BUS97</td>
<td>NUT95</td>
<td>RPE421-119</td>
<td></td>
</tr>
</tbody>
</table>

* May be used in hazardous locations with capacitive cords and cables when installed in accordance with NEC/CEC requirements.
† Remove sufficient outer covering of cord or cable to pass conductors through the connector body.
‡ A wide variety of connectors may be made up using combinations of bodies, gland nuts and Neoprene bushings providing all parts are of the same form.
§ Order wire mesh grip separately.

Dimensions

CGD assembly

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>Approx. Swinging Radius Dia. c</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGD192</td>
<td>1&quot;h1</td>
</tr>
<tr>
<td>CGD193</td>
<td>1&quot;h1</td>
</tr>
<tr>
<td>CGD194</td>
<td>1&quot;h1</td>
</tr>
<tr>
<td>CGD195</td>
<td>1&quot;h1</td>
</tr>
<tr>
<td>CGD196</td>
<td>1&quot;h1</td>
</tr>
<tr>
<td>CGD197</td>
<td>1&quot;h1</td>
</tr>
<tr>
<td>CGD292</td>
<td>1&quot;h1</td>
</tr>
<tr>
<td>CGD293</td>
<td>1&quot;h1</td>
</tr>
<tr>
<td>CGD294</td>
<td>1&quot;h1</td>
</tr>
<tr>
<td>CGD295</td>
<td>1&quot;h1</td>
</tr>
<tr>
<td>CGD296</td>
<td>1&quot;h1</td>
</tr>
<tr>
<td>CGD297</td>
<td>1&quot;h1</td>
</tr>
</tbody>
</table>
Cord and Cable Fittings

90° Angle Body Male Thread

Sizes 1/2" - 1"

CGE 90° With Gland Nut and Tapered Neoprene Bushing

<table>
<thead>
<tr>
<th>Thread Size</th>
<th>Form</th>
<th>Cord Range Dia.</th>
<th>Inside Body Dia.</th>
<th>Gland Nut &amp; Neoprene Bushing Complete with</th>
<th>Wire Mesh Grip Complete with</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8 B</td>
<td></td>
<td>.125 to .250</td>
<td>.331</td>
<td>CGE192</td>
<td>RPE417-115</td>
</tr>
<tr>
<td>1/8 B</td>
<td></td>
<td>.375 to .500</td>
<td>.331</td>
<td>CGE193</td>
<td>RPE417-116</td>
</tr>
<tr>
<td>1/8 B</td>
<td></td>
<td>.625 to .750</td>
<td>.331</td>
<td>CGE194</td>
<td>RPE417-117</td>
</tr>
<tr>
<td>1/8 C</td>
<td></td>
<td>.750 to .875</td>
<td>.500</td>
<td>CGE195</td>
<td>RPE421-119</td>
</tr>
<tr>
<td>1/4 B</td>
<td></td>
<td>.125 to .250</td>
<td>.688</td>
<td>CGE292</td>
<td>RPE417-115</td>
</tr>
<tr>
<td>1/4 B</td>
<td></td>
<td>.375 to .500</td>
<td>.688</td>
<td>CGE293</td>
<td>RPE417-116</td>
</tr>
<tr>
<td>1/4 B</td>
<td></td>
<td>.500 to .625</td>
<td>.688</td>
<td>CGE294</td>
<td>RPE417-117</td>
</tr>
<tr>
<td>1/4 C</td>
<td></td>
<td>.625 to .750</td>
<td>.688</td>
<td>CGE295</td>
<td>RPE421-119</td>
</tr>
<tr>
<td>1/4 C</td>
<td></td>
<td>.750 to .875</td>
<td>.688</td>
<td>CGE296</td>
<td>RPE417-119</td>
</tr>
<tr>
<td>1/2 B</td>
<td></td>
<td>.500 to .625</td>
<td>.906</td>
<td>CGE392</td>
<td>RPE417-129</td>
</tr>
<tr>
<td>1/2 B</td>
<td></td>
<td>.625 to .750</td>
<td>.906</td>
<td>CGE393</td>
<td>RPE417-127</td>
</tr>
<tr>
<td>1/2 C</td>
<td></td>
<td>.625 to .750</td>
<td>.906</td>
<td>CGE394</td>
<td>RPE421-129</td>
</tr>
<tr>
<td>1/2 C</td>
<td></td>
<td>.875 to 1.000</td>
<td>.906</td>
<td>CGE395</td>
<td>RPE421-120</td>
</tr>
<tr>
<td>1/2 D</td>
<td></td>
<td>1.000 to 1.188</td>
<td>.906</td>
<td>CGE396</td>
<td>RPE433-122</td>
</tr>
<tr>
<td>1/2 D</td>
<td></td>
<td>1.188 to 1.375</td>
<td>.906</td>
<td>CGE397</td>
<td>RPE433-122</td>
</tr>
</tbody>
</table>

Optional Wire Mesh Grip

1/2" and 3/4" sizes can be furnished with sealing gasket and locknut. To order, add suffix "SG" to cat. no. For example: CGE192-SG.

Application, features, materials and finishes are detailed on page 68.

* May be used in hazardous locations with specific cords and cables when installed in accordance with NEC/CEC requirements.

† Remove sufficient outer covering of cord or cable to pass conductors through the connector body.

Diameter Cord Range

<table>
<thead>
<tr>
<th>CGE assembly</th>
<th>Approx. Swing Radius</th>
<th>Dia. c</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGE192</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE193</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE194</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE195</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE196</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE197</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE292</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE293</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE294</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE295</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE296</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE396</td>
<td>21/32&quot;</td>
<td>23/32&quot;</td>
</tr>
<tr>
<td>CGE397</td>
<td>21/32&quot;</td>
<td>23/32&quot;</td>
</tr>
<tr>
<td>CGE398</td>
<td>21/32&quot;</td>
<td>23/32&quot;</td>
</tr>
<tr>
<td>CGE399</td>
<td>21/32&quot;</td>
<td>23/32&quot;</td>
</tr>
<tr>
<td>CGE3239</td>
<td>21/32&quot;</td>
<td>23/32&quot;</td>
</tr>
<tr>
<td>CGE3911</td>
<td>21/32&quot;</td>
<td>23/32&quot;</td>
</tr>
</tbody>
</table>

Optional Sealing Gasket

Cable and Gland Nut

Complete with gland nut, neoprene bushing, optional locknut and sealing gasket.

Dimensions

<table>
<thead>
<tr>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1/16&quot; (Max. wall thickness of body)</td>
</tr>
</tbody>
</table>

Cord and Gland Nut

Complete with gland nut, neoprene bushing, optional locknut and sealing gasket.

Application, features, materials and finishes are detailed on page 68.

* May be used in hazardous locations with specific cords and cables when installed in accordance with NEC/CEC requirements.

† Remove sufficient outer covering of cord or cable to pass conductors through the connector body.

Diameter Cord Range

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>Approx. Swing Radius</th>
<th>Dia. c</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGE192</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE193</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE194</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE195</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE196</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE197</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE292</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE293</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE294</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE295</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE296</td>
<td>11/16&quot;</td>
<td>13/16&quot;</td>
</tr>
<tr>
<td>CGE396</td>
<td>21/32&quot;</td>
<td>23/32&quot;</td>
</tr>
<tr>
<td>CGE397</td>
<td>21/32&quot;</td>
<td>23/32&quot;</td>
</tr>
<tr>
<td>CGE398</td>
<td>21/32&quot;</td>
<td>23/32&quot;</td>
</tr>
<tr>
<td>CGE399</td>
<td>21/32&quot;</td>
<td>23/32&quot;</td>
</tr>
<tr>
<td>CGE3239</td>
<td>21/32&quot;</td>
<td>23/32&quot;</td>
</tr>
<tr>
<td>CGE3911</td>
<td>21/32&quot;</td>
<td>23/32&quot;</td>
</tr>
</tbody>
</table>

Optional Locknut

Body Only

Neoprene Bushing

Gland Nut

Optional Wire Mesh Grip

### 5F Cord and Cable Fittings

**Straight Body Male Thread**

**Portable Cord**

- Cl. I, Div. 2*, Groups A,B,C,D
- Cl. II, Div. 1, Groups E,F,G
- Cl. II, Div. 2, Groups F,G
- Cl. III
- Wet Locations

---

**For portable cord**

**With oil impregnated flax packing**

**CGB with Tapered Neoprene Bushing and Cable Clamp**

#### For Portable Cord*

<table>
<thead>
<tr>
<th>Size</th>
<th>Range Dia.</th>
<th>Cat. #</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8</td>
<td>.312 to .437</td>
<td>CGB1013</td>
</tr>
<tr>
<td>1/2</td>
<td>.375 to .500</td>
<td>CGB1014</td>
</tr>
<tr>
<td>3/4</td>
<td>.500 to .625</td>
<td>CGB1015</td>
</tr>
<tr>
<td>1</td>
<td>.625 to .750</td>
<td>CGB2013</td>
</tr>
<tr>
<td>1</td>
<td>.750 to .875</td>
<td>CGB2014</td>
</tr>
<tr>
<td>1</td>
<td>.875 to 1.000</td>
<td>CGB2015</td>
</tr>
</tbody>
</table>

#### CGB with Oil Impregnated Flax Packing

<table>
<thead>
<tr>
<th>Size</th>
<th>Cable Dia.</th>
<th>Cat. #</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8</td>
<td>.250 to .437</td>
<td>CGB1</td>
</tr>
<tr>
<td>1</td>
<td>.594 to .688</td>
<td>CGB2</td>
</tr>
<tr>
<td>1 1/4</td>
<td>.688 to .768</td>
<td>CGB3</td>
</tr>
<tr>
<td>1 1/2</td>
<td>.906 to 1.129</td>
<td>CGB4</td>
</tr>
<tr>
<td>2</td>
<td>1.129 to 1.375</td>
<td>CGB5</td>
</tr>
<tr>
<td>2 1/4</td>
<td>1.375 to 1.625</td>
<td>CGB6</td>
</tr>
<tr>
<td>2 1/2</td>
<td>1.625 to 2.000</td>
<td>CGB7</td>
</tr>
<tr>
<td>3</td>
<td>2.000 to 2.625</td>
<td>CGB8</td>
</tr>
</tbody>
</table>

* May be used in hazardous locations with specific cords and cables when installed in accordance with NEC/CEC requirements.