

# Aluminum and Steel Liquidtight Strain Relief Cord and Cable Connectors

NEC/CEC — Suitable for use in:  
 Class I, Division 2  
 Class II, Division 1 and 2  
 Class III,  
 NEMA 3R

## Application

- Provide a liquidtight and strain relief termination for flexible type neoprene, hypalon, and PVC jacketed power or control cord and cable.
- For use in wet or dry locations sealing electrical connections against dust and dirt, oil, water or other atmosphere containing moisture.

## Features

- Available in straight or 90°, aluminum or steel construction to meet the requirements of rugged service on all types of equipment and in all non-hazardous areas.
- Color coded identification label clearly states the catalog number and minimum-maximum cable diameter range for which the connector is designed.
- Neoprene sealing grommet firmly but safely grips cable jacket providing strain relief while protecting internal wiring connections against external tension on cable or cord.
- Steel or Teflon® washer reduces friction between grommet and connector cap providing even pressure distribution, eliminating leakage resulting from grommet distortion.
- Large aluminum connectors 1-1/2" thru 4" and all steel connectors are constructed with hex head cap.
- For particularly harsh applications, wire mesh strain reliefs may be used with cord and cable connectors.
- CG Series in aluminum construction is available in straight type from 1/4" thru 4", 90° type from 3/8" thru 1-1/4".
- CG Series in steel construction is available in straight type from 1/4" thru 2" and 90° type from 3/8" thru 1-1/4".
- Silicone free.

## Standard Materials

- Aluminum connectors
  - Straight body: aluminum
  - 90° body: cast aluminum
  - Cap: copperfree (4/10 of 1% or less) aluminum
  - Sealing grommet: neoprene
  - Washer: steel or Teflon®
  - Wire mesh strain relief: stainless steel
  - Cap on wire mesh: copperfree (4/10 of 1% or less) aluminum
- Steel connectors
  - Straight body: machined steel
  - 90° body: malleable iron
  - Cap: machined steel
  - Sealing grommet: neoprene
  - Washer: steel or Teflon ①
  - Wire mesh strain relief: stainless steel
  - Cap on wire mesh: steel, zinc plate

## Options

- PVC coating available on select connectors. Add suffix -PVC to catalog number.

## NEC/CEC Certifications and Compliances

- UL Standard: 514B
- UL Listed: E14817
- CSA Standard: C22.2 No. 18.3
- CSA Certified: 065178

## Related Products

- Locknuts are available, refer to *Commercial Fittings*

① Teflon is a registered trademark of E.I. DuPont de Nemours and Co.

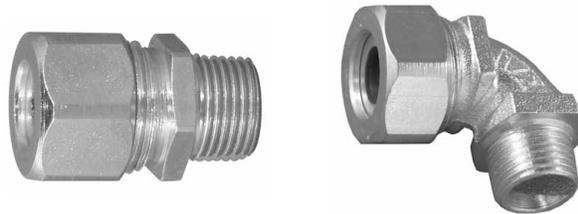
Aluminum



Straight

90°

Steel

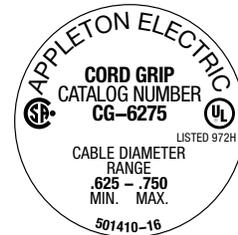


Straight

90°



Wire Mesh Strain Relief for Cord Connectors



Color coded label

# Aluminum and Steel Liquidtight Strain Relief Cord and Cable Connectors

Aluminum Wire Mesh Strain Relief

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 Class II, Division 1 and 2  
 Class III,  
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Not to be used with stainless steel and nickel plated aluminum CG connectors

For Aluminum Cord Connectors		Dimensions— mm (in)		Weight Per 100 kg (lb)	Catalog Number
CG—Straight	CG—90°	A	B		
<b>For Connectors with 3/8 Inch Hubs</b>					
CG-1238	CG90-1238	23.9 (0.94)	92.20 (3.63)	2.40 (5.40)	<b>CG-SR1</b>
CG-1838	CG90-1838	23.9 (0.94)	111.30 (4.38)	2.40 (5.40)	<b>CG-SR2</b>
CG-3138	CG90-3138	23.9 (0.94)	139.70 (5.50)	2.40 (5.40)	<b>CG-SR3</b>
<b>For Connectors with 1/2 Inch Hubs</b>					
CG-1250	—	23.90 (0.94)	92.20 (3.63)	5.30 (11.70)	<b>CG-SR1</b>
—	CG90-1250	31.80 (1.25)	111.30 (4.38)	5.30 (11.70)	<b>CG-SR4</b>
CG-1850	—	23.90 (0.94)	111.30 (4.38)	5.30 (11.70)	<b>CG-SR2</b>
—	CG90-2550	31.80 (1.25)	139.70 (5.50)	5.30 (11.70)	<b>CG-SR5</b>
CG-3150	—	23.90 (0.94)	139.70 (5.50)	5.30 (11.70)	<b>CG-SR3</b>
CG-3750	CG90-3750	31.80 (1.25)	155.70 (6.13)	5.30 (11.70)	<b>CG-SR6</b>
CG-5050	CG90-5050	31.80 (1.25)	174.80 (6.88)	5.30 (11.70)	<b>CG-SR7</b>
CG-6250	CG90-6250	31.80 (1.25)	238.30 (9.38)	5.30 (11.70)	<b>CG-SR8</b>
<b>For Connectors with 3/4 Inch Hubs</b>					
CG-1275	—	31.80 (1.25)	111.30 (4.38)	7.30 (16.10)	<b>CG-SR4</b>
CG-2575	—	31.80 (1.25)	139.70 (5.50)	7.30 (16.10)	<b>CG-SR5</b>
—	CG90-2575	35.10 (1.38)	104.90 (4.13)	7.30 (16.10)	<b>CG-SR9</b>
CG-3775	—	31.80 (1.25)	155.70 (6.13)	7.30 (16.10)	<b>CG-SR6</b>
—	CG90-3775	35.10 (1.38)	139.70 (5.50)	7.30 (16.10)	<b>CG-SR10</b>
CG-5075	—	31.80 (1.25)	174.80 (6.88)	7.30 (16.10)	<b>CG-SR7</b>
—	CG90-5075	35.10 (1.38)	162.10 (6.38)	7.30 (16.10)	<b>CG-SR11</b>
CG-6275	CG90-6275	35.10 (1.38)	212.90 (8.38)	7.30 (16.10)	<b>CG-SR12</b>
CG-7575	CG90-7575	35.10 (1.38)	231.90 (9.13)	7.30 (16.10)	<b>CG-SR13</b>
<b>For Connectors with 1 Inch Hubs</b>					
CG-37100	—	35.10 (1.38)	139.70 (5.50)	8.50 (18.70)	<b>CG-SR10</b>
CG-50100	—	35.10 (1.38)	162.10 (6.38)	8.50 (18.70)	<b>CG-SR11</b>
CG-62100	—	35.10 (1.38)	212.90 (8.38)	8.50 (18.70)	<b>CG-SR12</b>
—	CG90-62100	44.50 (1.75)	230.10 (9.06)	8.50 (18.70)	<b>CG-SR14</b>
CG-75100	CG90-75100	44.50 (1.75)	230.10 (9.06)	8.50 (18.70)	<b>CG-SR15</b>
CG-87100	CG90-87100	44.50 (1.75)	201.70 (7.94)	8.50 (18.70)	<b>CG-SR16</b>
CG-100100	CG90-100100	44.50 (1.75)	201.70 (7.94)	8.50 (18.70)	<b>CG-SR17</b>
<b>For Connectors with 1-1/4 Inch Hubs</b>					
CG-75125	—	44.50 (1.75)	230.10 (9.06)	9.70 (21.40)	<b>CG-SR15</b>
—	CG90-75125	54.10 (2.13)	227.10 (8.94)	9.70 (21.40)	<b>CG-SR18</b>
CG-87125	—	44.50 (1.75)	201.70 (7.94)	9.70 (21.40)	<b>CG-SR16</b>
—	CG90-87125	54.10 (2.13)	201.70 (7.94)	9.70 (21.40)	<b>CG-SR19</b>
CG-100125	CG90-100125	54.10 (2.13)	220.70 (8.69)	9.70 (21.40)	<b>CG-SR20</b>
CG-112125	CG90-112125	54.10 (2.13)	236.50 (9.31)	9.70 (21.40)	<b>CG-SR21</b>
CG-125125	CG90-125125	54.10 (2.13)	293.60 (11.56)	9.70 (21.40)	<b>CG-SR22</b>
CG-137125	CG90-137125	54.10 (2.13)	274.60 (10.81)	9.70 (21.40)	<b>CG-SR23</b>

