

# 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



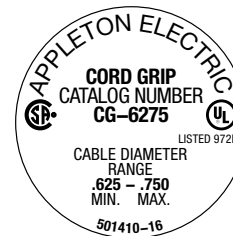
Straight



90°



Wire Mesh Strain Relief for Cord Connectors

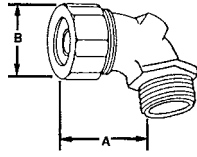


Color coded label

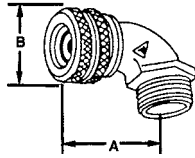
# Aluminum and Steel Liquidtight Strain Relief Cord and Cable Connectors

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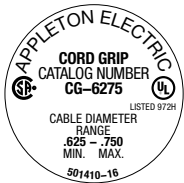
	Cable Range (Inches)	Color Coded Label	Dimensions — mm (in)		Weight Per 100 — kg (lb)		Catalog Number	
			A	B	Aluminum	Steel	Aluminum	Steel
<b>3/8 Inch Hubs</b>								
	0.125—0.187 ②	Red	41.4 (1.63)	23.9 (0.94)	5.90 (13.00)	15.42 (34.00)	<b>CG90-1238</b> ②	<b>CG90-1238S</b> ②
	0.187—0.312	Brown	41.4 (1.63)	23.9 (0.94)	3.18 (7.00)	8.35 (18.40)	<b>CG90-1838</b>	<b>CG90-1838S</b>
	0.312—0.437	Yellow	41.4 (1.63)	23.9 (0.94)	3.18 (7.00)	8.35 (18.40)	<b>CG90-3138</b> ①	<b>CG90-3138S</b> ①
<b>1/2 Inch Hubs</b>								
	0.187—0.250 ②	Blue	41.4 (1.63)	31.8 (1.25)	5.90 (13.00)	15.42 (34.00)	<b>CG90-1250</b>	<b>CG90-1250S</b>
	0.250—0.375	Green	41.4 (1.63)	31.8 (1.25)	5.90 (13.00)	15.42 (34.00)	<b>CG90-2550</b>	<b>CG90-2550S</b>
	0.375—0.500	Purple	41.4 (1.63)	31.8 (1.25)	5.44 (12.00)	14.15 (31.20)	<b>CG90-3750</b>	<b>CG90-3750S</b>
	0.500—0.625	Pink	38.1 (1.5)	31.8 (1.25)	4.54 (10.00)	11.79 (26.00)	<b>CG90-5050</b> ①	<b>CG90-5050S</b> ①
	0.625—0.750	Orange	38.1 (1.5)	31.8 (1.25)	5.44 (12.00)	14.15 (31.20)	<b>CG90-6250</b> ①	<b>CG90-6250S</b> ①
<b>3/4 Inch Hubs</b>								
	0.250—0.375	Green	44.5 (1.75)	35.1 (1.38)	7.26 (16.00)	18.87 (41.60)	<b>CG90-2575</b>	<b>CG90-2575S</b>
	0.375—0.500	Purple	44.5 (1.75)	35.1 (1.38)	7.26 (16.00)	18.87 (41.60)	<b>CG90-3775</b>	<b>CG90-3775S</b>
	0.500—0.625	Pink	44.5 (1.75)	35.1 (1.38)	7.26 (16.00)	18.87 (41.60)	<b>CG90-5075</b>	<b>CG90-5075S</b>
	0.625—0.750	Orange	41.4 (1.63)	35.1 (1.38)	7.26 (16.00)	18.87 (41.60)	<b>CG90-6275</b> ①	<b>CG90-6275S</b> ①
	0.750—0.875	Gray	41.4 (1.63)	35.1 (1.38)	7.26 (16.00)	18.87 (41.60)	<b>CG90-7575</b> ①	<b>CG90-7575S</b> ①
<b>1 Inch Hubs</b>								
	0.625—0.750	Orange	55.6 (2.19)	44.5 (1.75)	11.79 (26.00)	30.66 (67.60)	<b>CG90-62100</b>	<b>CG90-62100S</b>
	0.750—0.875	Gray	55.6 (2.19)	44.5 (1.75)	18.14 (40.00)	47.17 (104.00)	<b>CG90-75100</b>	<b>CG90-75100S</b>
	0.875—1.000	Red	55.6 (2.19)	44.5 (1.75)	11.34 (25.00)	29.48 (65.00)	<b>CG90-87100</b> ①	<b>CG90-87100S</b> ①
	1.000—1.125	Blue	55.6 (2.19)	44.5 (1.75)	11.79 (26.00)	30.66 (67.60)	<b>CG90-100100</b> ①	<b>CG90-100100S</b> ①
<b>1-1/4 Inch Hubs</b>								
	0.750—0.875	Gray	65.0 (2.56)	54.1 (2.13)	18.14 (40.00)	47.17 (104.00)	<b>CG90-75125</b>	<b>CG90-75125S</b>
	0.875—1.000	Red	65.0 (2.56)	54.1 (2.13)	18.60 (41.00)	48.35 (106.60)	<b>CG90-87125</b>	<b>CG90-87125S</b>
	1.000—1.125	Blue	65.0 (2.56)	54.1 (2.13)	17.69 (39.00)	45.99 (101.40)	<b>CG90-100125</b>	<b>CG90-100125S</b>
	1.125—1.250	Brown	62.0 (2.44)	54.1 (2.13)	17.24 (38.00)	44.81 (98.80)	<b>CG90-112125</b> ①	<b>CG90-112125S</b> ①
	1.250—1.375	Green	62.0 (2.44)	54.1 (2.13)	27.22 (60.00)	70.76 (156.00)	<b>CG90-125125</b> ①	<b>CG90-125125S</b> ①
	1.375—1.500	Yellow	62.0 (2.44)	54.1 (2.13)	15.88 (35.00)	41.28 (91.00)	<b>CG90-137125</b> ①	<b>CG90-137125S</b> ①



Steel



Aluminum



Color coded label

① Remove sufficient outer covering of cord or cable to pass conductors through connector body.  
 ② Not UL Listed below cable O.D. 0.187"