

# Aluminum and Steel Liquidtight Strain Relief Cord and Cable Connectors

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".

## 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 \*
  - Wire mesh strain relief: stainless steel
  - Cap on wire mesh: steel, zinc plate

## 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*

## Options

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

### Aluminum



Straight



90°

### Steel



Straight



90°



Wire Mesh Strain Relief for Cord Connectors



Color coded label

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

# Straight Liqudtight Strain Relief Cord and Cable Connectors

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

	Catalog Number		Cable Range (Inches)	Color Coded Label	Dimensions (in/mm)		Wt. Lbs./Kgs. Per 100	
	Aluminum	Steel			A	B	Aluminum	Steel
 <p>Aluminum</p>	<b>1/4 Inch Hubs</b>							
	CG-0625 ②	CG-0625S ②	0.060—0.156	Purple/Pink	0.88/22.4	0.75/19.1	—	—
	CG-1525 ②	CG-1525S ②	0.156—0.250	Orange/Gray	0.88/22.4	0.75/19.1	3.70/1.68	9.00/4.08
	<b>3/8 Inch Hubs</b>							
	CG-1238	CG-1238S	0.125—0.187	Red	0.81/20.6	0.94/23.9	5.60/2.54	14.80/6.71
	CG-1838	CG-1838S	0.187—0.312	Brown	0.81/20.6	0.94/23.9	5.00/2.27	13.20/5.99
	CG-3138	CG-3138S	0.312—0.437	Yellow	0.81/20.6	0.94/23.9	5.60/2.54	14.80/6.71
	<b>1/2 Inch Hubs ④</b>							
	CG-1250	CG-1250S	0.125—0.187	Red	0.81/20.6	0.94/23.9	6.00/2.72	15.60/7.08
	CG-1850	CG-1850S	0.187—0.312	Brown	0.81/20.6	0.94/23.9	6.00/2.72	15.60/7.08
CG-3150	CG-3150S	0.312—0.437	Yellow	0.81/20.6	0.94/23.9	6.00/2.72	15.60/7.08	
CG-3750	CG-3750S	0.375—0.500	Purple	0.81/20.6	1.25/31.8	8.00/3.63	20.80/9.43	
CG-5050	CG-5050S	0.500—0.625	Pink	0.81/20.6	1.25/31.8	8.00/3.63	20.80/9.43	
CG6250 ①	CG-6250S ①	0.625—0.750	Orange	0.81/20.6	1.25/31.8	8.00/3.63	20.80/9.43	
 <p>Steel</p>	<b>3/4 Inch Hubs ④</b>							
	CG-1275	CG-1275S	0.125—0.250	Blue	0.88/22.4	1.25/31.8	10.00/4.54	26.00/11.79
	CG-2575	CG-2575S	0.250—0.375	Green	0.88/22.4	1.25/31.8	10.00/4.54	26.00/11.79
	CG-3775	CG-3775S	0.375—0.500	Purple	0.88/22.4	1.25/31.8	10.00/4.54	26.00/11.79
	CG-5075	CG-5075S	0.500—0.625	Pink	0.88/22.4	1.25/31.8	10.00/4.54	26.00/11.79
	CG-6275	CG-6275S	0.625—0.750	Orange	0.88/22.4	1.38/35.1	10.00/4.54	26.00/11.79
	CG-7575 ①	CG-7575S ①	0.750—0.875	Gray	0.88/22.4	1.38/35.1	10.00/4.54	26.00/11.79
	<b>1 Inch Hubs ④</b>							
	CG-37100	CG-37100S	0.375—0.500	Purple	0.94/23.9	1.38/35.1	15.00/6.80	39.00/17.69
	CG-50100	CG-50100S	0.500—0.625	Pink	0.94/23.9	1.38/35.1	15.00/6.80	39.00/17.69
CG-62100	CG-62100S	0.625—0.750	Orange	0.94/23.9	1.38/35.1	15.00/6.80	39.00/17.69	
CG-75100	CG-75100S	0.750—0.875	Gray	0.94/23.9	1.75/44.5	15.00/6.80	39.00/17.69	
CG-87100	CG-87100S	0.875—1.000	Red	0.94/23.9	1.75/44.5	15.00/6.80	39.00/17.69	
CG-100100 ①	CG-100100S ①	1.000—1.125	Blue	0.94/23.9	1.75/44.5	15.00/6.80	39.00/17.69	
 <p>Steel</p>	<b>1-1/4 Inch Hubs ④</b>							
	CG-75125	CG-75125S	0.750—0.875	Gray	1.06/26.9	1.75/44.5	23.00/10.43	60.00/27.22
	CG-87125	CG-87125S	0.875—1.000	Red	1.06/26.9	1.75/44.5	25.00/11.34	65.00/29.48
	CG-100125	CG-100125S	1.000—1.125	Blue	1.06/26.9	2.13/54.1	25.00/11.34	65.00/29.48
	CG-112125	CG-112125S	1.125—1.250	Brown	1.06/26.9	2.13/54.1	25.00/11.34	65.00/29.48
	CG-125125 ①	CG-125125S ①	1.250—1.375	Green	1.06/26.9	2.13/54.1	22.00/9.98	57.00/25.85
	CG-137125 ①	CG-137125S ①	1.375—1.500	Yellow	1.06/26.9	2.13/54.1	20.00/9.07	52.00/23.59
	<b>1-1/2 Inch Hubs</b>							
	CG-115150	CG-115150S	1.156—1.312	—	1.94/49.3	2.19/55.6	31.10/14.11	92.00/41.73
	CG-128150 ③	CG-128150S	1.281—1.531	—	2.63/66.8	2.56/65.0	61.20/27.76	160.00/72.57
<b>2 Inch Hubs</b>								
CG-153200 ②	CG-153200S	1.531—1.780	—	2.44/62.0	3.00/76.2	95.00/43.09	230.00/104.33	
CG-165200 ③	—	1.650—2.000	—	2.44/62.0	3.19/81.0	100.00/45.36	—	
<b>2-1/2 Inch Hubs</b>								
CG-200250 ③	—	2.000—2.343	—	3.06/77.7	3.44/87.4	141.30/64.09	—	
CG-225250 ③	—	2.250—2.500	—	3.06/77.7	3.69/93.7	141.90/64.36	—	
<b>3 Inch Hubs</b>								
CG-250300 ③	—	2.500—2.843	—	3.06/77.7	4.06/103.1	196.30/89.04	—	
CG-268300 ③	—	2.687—3.062	—	3.25/82.6	4.50/114.3	256.30/116.26	—	
<b>3-1/2 Inch Hubs ②</b>								
CG-300350	—	3.000—3.390	—	3.25/82.6	4.75/120.7	212.50/96.39	—	
CG-328350	—	3.281—3.515	—	3.25/82.6	5.00/127.0	225.00/102.06	—	
<b>4 Inch Hubs ②</b>								
CG-350400	—	3.500—3.843	—	3.25/82.6	5.25/133.4	275.00/124.74	—	
CG-375400	—	3.750—4.000	—	3.25/82.6	5.50/139.7	293.80/133.27	—	

- ① Remove sufficient outer covering of cord or cable to pass conductors through connector body.
- ② Not UL Listed.
- ③ Not CSA Certified.
- ④ PVC coating available on select connectors. Add suffix **-PVC** to catalog number.



Color coded label

FITTINGS: CABLE AND CORD FITTINGS

Fittings