

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 Ⓢ
 - 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*

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

Aluminum



Straight



90°

Steel



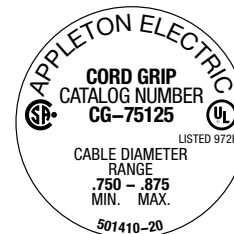
Straight



90°



Wire Mesh Strain Relief for Cord Connectors

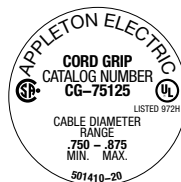
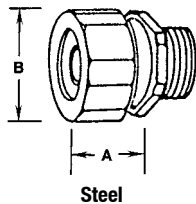
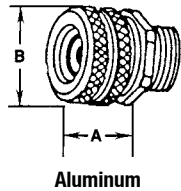


Color coded label

Aluminum and Steel Liquidtight Strain Relief Cord and Cable Connectors

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

	Cable Range (Inches)	Color Coded Label	Dimensions — mm (in)		Weight Per 100 — kg (lb)		Catalog Number	
			A	B	Aluminum	Steel	Aluminum	Steel
1/4 Inch Hubs								
	0.060—0.156	Purple/Pink	22.4 (0.88)	19.1 (0.75)	—	—	CG-0625 ②	CG-0625S ②
	0.156—0.250	Orange/Gray	22.4 (0.88)	19.1 (0.75)	1.68 (3.70)	4.08 (9.00)	CG-1525 ②	CG-1525S ②
3/8 Inch Hubs ④								
	0.125—0.187	Red	20.6 (0.81)	23.9 (0.94)	2.54 (5.60)	6.71 (14.80)	CG-1238 ⑤	CG-1238S ⑤
	0.187—0.312	Brown	20.6 (0.81)	23.9 (0.94)	2.27 (5.00)	5.99 (13.20)	CG-1838	CG-1838S
	0.312—0.437	Yellow	20.6 (0.81)	23.9 (0.94)	2.54 (5.60)	6.71 (14.80)	CG-3138	CG-3138S
1/2 Inch Hubs ④								
	0.125—0.187	Red	20.6 (0.81)	23.9 (0.94)	2.72 (6.00)	7.08 (15.60)	CG-1250 ⑤	CG-1250S ⑤
	0.187—0.312	Brown	20.6 (0.81)	23.9 (0.94)	2.72 (6.00)	7.08 (15.60)	CG-1850	CG-1850S
	0.312—0.437	Yellow	20.6 (0.81)	23.9 (0.94)	2.72 (6.00)	7.08 (15.60)	CG-3150	CG-3150S
	0.375—0.500	Purple	20.6 (0.81)	31.8 (1.25)	3.63 (8.00)	9.43 (20.80)	CG-3750	CG-3750S
	0.500—0.625	Pink	20.6 (0.81)	31.8 (1.25)	3.63 (8.00)	9.43 (20.80)	CG-5050	CG-5050S
	0.625—0.750	Orange	20.6 (0.81)	31.8 (1.25)	3.63 (8.00)	9.43 (20.80)	CG6250 ①②	CG-6250S ①②
3/4 Inch Hubs ④								
	0.187—0.250	Blue	22.4 (0.88)	31.8 (1.25)	4.54 (10.00)	11.79 (26.00)	CG-1275	CG-1275S
	0.250—0.375	Green	22.4 (0.88)	31.8 (1.25)	4.54 (10.00)	11.79 (26.00)	CG-2575	CG-2575S
	0.375—0.500	Purple	22.4 (0.88)	31.8 (1.25)	4.54 (10.00)	11.79 (26.00)	CG-3775	CG-3775S
	0.500—0.625	Pink	22.4 (0.88)	31.8 (1.25)	4.54 (10.00)	11.79 (26.00)	CG-5075	CG-5075S
	0.625—0.750	Orange	22.4 (0.88)	35.1 (1.38)	4.54 (10.00)	11.79 (26.00)	CG-6275	CG-6275S
	0.750—0.875	Gray	22.4 (0.88)	35.1 (1.38)	4.54 (10.00)	11.79 (26.00)	CG-7575 ①⑥	CG-7575S ① ⑥
1 Inch Hubs ④								
	0.375—0.500	Purple	23.9 (0.94)	35.1 (1.38)	6.80 (15.00)	17.69 (39.00)	CG-37100	CG-37100S
	0.500—0.625	Pink	23.9 (0.94)	35.1 (1.38)	6.80 (15.00)	17.69 (39.00)	CG-50100	CG-50100S
	0.625—0.750	Orange	23.9 (0.94)	35.1 (1.38)	6.80 (15.00)	17.69 (39.00)	CG-62100	CG-62100S
	0.750—0.875	Gray	23.9 (0.94)	44.5 (1.75)	6.80 (15.00)	17.69 (39.00)	CG-75100	CG-75100S
	0.875—1.000	Red	23.9 (0.94)	44.5 (1.75)	6.80 (15.00)	17.69 (39.00)	CG-87100	CG-87100S
	1.000—1.125	Blue	23.9 (0.94)	44.5 (1.75)	6.80 (15.00)	17.69 (39.00)	CG-100100 ①②	CG-100100S ①②
1-1/4 Inch Hubs								
	0.750—0.875	Gray	26.9 (1.06)	44.5 (1.75)	10.43 (23.00)	27.22 (60.00)	CG-75125	CG-75125S
	0.875—1.000	Red	26.9 (1.06)	44.5 (1.75)	11.34 (25.00)	29.48 (65.00)	CG-87125	CG-87125S
	1.000—1.125	Blue	26.9 (1.06)	54.1 (2.13)	11.34 (25.00)	29.48 (65.00)	CG-100125	CG-100125S
	1.125—1.250	Brown	26.9 (1.06)	54.1 (2.13)	11.34 (25.00)	29.48 (65.00)	CG-112125 ⑦	CG-112125S ⑦
	1.250—1.375	Green	26.9 (1.06)	54.1 (2.13)	9.98 (22.00)	25.85 (57.00)	CG-125125 ①②	CG-125125S ①②
	1.375—1.500	Yellow	26.9 (1.06)	54.1 (2.13)	9.07 (20.00)	23.59 (52.00)	CG-137125 ①②	CG-137125S ①②
1-1/2 Inch Hubs								
	1.156—1.312	—	49.3 (1.94)	55.6 (2.19)	14.11 (31.10)	41.73 (92.00)	CG-115150	CG-115150S
	1.281—1.531	—	66.8 (2.63)	65.0 (2.56)	27.76 (61.20)	72.57 (160.00)	CG-128150 ③	CG-128150S
2 Inch Hubs								
	1.531—1.780	—	62.0 (2.44)	76.2 (3.00)	43.09 (95.00)	104.33 (230.00)	CG-153200 ②	CG-153200S
	1.650—2.000	—	62.0 (2.44)	81.0 (3.19)	45.36 (100.00)	—	CG-165200 ③	—
2-1/2 Inch Hubs								
	2.000—2.343	—	77.7 (3.06)	87.4 (3.44)	64.09 (141.30)	—	CG-200250 ③	—
	2.250—2.500	—	77.7 (3.06)	93.7 (3.69)	64.36 (141.90)	—	CG-225250 ③	—
3 Inch Hubs								
	2.500—2.843	—	77.7 (3.06)	103.1 (4.06)	89.04 (196.30)	—	CG-250300 ③	—
	2.687—3.062	—	82.6 (3.25)	114.3 (4.50)	116.26 (256.30)	—	CG-268300 ③	—
3-1/2 Inch Hubs ②								
	3.000—3.390	—	82.6 (3.25)	120.7 (4.75)	96.39 (212.50)	—	CG-300350	—
	3.281—3.515	—	82.6 (3.25)	127.0 (5.00)	102.06 (225.00)	—	CG-328350	—
4 Inch Hubs ②								
	3.500—3.843	—	82.6 (3.25)	133.4 (5.25)	124.74 (275.00)	—	CG-350400	—
	3.750—4.000	—	82.6 (3.25)	139.7 (5.50)	133.27 (293.80)	—	CG-375400	—



Color coded label

- ① Remove sufficient outer covering of cord or cable to pass conductors through connector body.
- ② Not UL.
- ③ Not CSA.
- ④ UL Recognized.
- ⑤ Not UL below cable O.D. 0.187".
- ⑥ Not UL above cable O.D. 0.812".
- ⑦ Not UL above cable O.D. 1.180".