

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



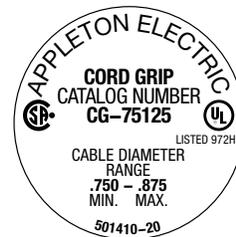
Straight



90°



Wire Mesh Strain Relief for Cord Connectors



Color coded label

Aluminum and Steel Liquidtight Strain Relief Cord and Cable Connectors

Aluminum Wire Mesh Strain Relief

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Not to be used with stainless steel and nickel plated aluminum CG connectors

Steel Cord Connectors		Dimensions— mm (in)		Weight Per 100 kg (lb)	Catalog Number
CG—Straight	CG—90°	A	B		
For Connectors with 3/8 Inch Hubs					
CG-1238S	CG90-1238S	23.90 (0.94)	92.20 (3.63)	2.40 (5.40)	CG-SR1S
CG-1838S	CG90-1838S	23.90 (0.94)	111.30 (4.38)	2.40 (5.40)	CG-SR2S
CG-3138S	CG90-3138S	23.90 (0.94)	139.70 (5.50)	2.40 (5.40)	CG-SR3S
For Connectors with 1/2 Inch Hubs					
CG-1250S	—	23.90 (0.94)	92.20 (3.63)	5.30 (11.70)	CG-SR1S
—	CG90-1250S	31.80 (1.25)	111.30 (4.38)	5.30 (11.70)	CG-SR4S
CG-1850S	—	23.90 (0.94)	111.30 (4.38)	5.30 (11.70)	CG-SR2S
—	CG90-2550S	31.80 (1.25)	139.70 (5.50)	5.30 (11.70)	CG-SR5S
CG-3150S	—	23.90 (0.94)	139.70 (5.50)	5.30 (11.70)	CG-SR3S
CG-3750S	CG90-3750S	31.80 (1.25)	155.70 (6.13)	5.30 (11.70)	CG-SR6S
CG-5050S	CG90-5050S	31.80 (1.25)	174.80 (6.88)	5.30 (11.70)	CG-SR7S
CG-6250S	CG90-6250S	31.80 (1.25)	238.30 (9.38)	5.30 (11.70)	CG-SR8S
For Connectors with 3/4 Inch Hubs					
CG-1275S	—	31.80 (1.25)	111.30 (4.38)	7.30 (16.10)	CG-SR4S
CG-2575S	—	31.80 (1.25)	139.70 (5.50)	7.30 (16.10)	CG-SR5S
—	CG90-2575S	35.10 (1.38)	104.90 (4.13)	7.30 (16.10)	CG-SR9S
CG-3775S	—	31.80 (1.25)	155.70 (6.13)	7.30 (16.10)	CG-SR6S
—	CG90-3775S	35.10 (1.38)	139.70 (5.50)	7.30 (16.10)	CG-SR10S
CG-5075S	—	31.80 (1.25)	174.80 (6.88)	7.30 (16.10)	CG-SR7S
—	CG90-5075S	35.10 (1.38)	162.10 (6.38)	7.30 (16.10)	CG-SR11S
CG-6275S	CG90-6275S	35.10 (1.38)	212.90 (8.38)	7.30 (16.10)	CG-SR12S
CG-7575S	CG90-7575S	35.10 (1.38)	231.90 (9.13)	7.30 (16.10)	CG-SR13S
For Connectors with 1 Inch Hubs					
CG-37100S	—	35.10 (1.38)	139.70 (5.50)	8.50 (18.70)	CG-SR10S
CG-50100S	—	35.10 (1.38)	162.10 (6.38)	8.50 (18.70)	CG-SR11S
CG-62100S	—	35.10 (1.38)	212.90 (8.38)	8.50 (18.70)	CG-SR12S
—	CG90-62100S	44.50 (1.75)	230.10 (9.06)	8.50 (18.70)	CG-SR14S
CG-75100S	CG90-75100S	44.50 (1.75)	230.10 (9.06)	8.50 (18.70)	CG-SR15S
CG-87100S	CG90-87100S	44.50 (1.75)	201.70 (7.94)	8.50 (18.70)	CG-SR16S
CG-100100S	CG90-100100S	44.50 (1.75)	201.70 (7.94)	8.50 (18.70)	CG-SR17S
For Connectors with 1-1/4 Inch Hubs					
CG-75125S	—	44.50 (1.75)	230.10 (9.06)	9.70 (21.40)	CG-SR15S
—	CG90-75125S	54.10 (2.13)	227.10 (8.94)	9.70 (21.40)	CG-SR18S
CG-87125S	—	44.50 (1.75)	201.70 (7.94)	9.70 (21.40)	CG-SR16S
—	CG90-87125S	54.10 (2.13)	201.70 (7.94)	9.70 (21.40)	CG-SR19S
CG-100125S	CG90-100125S	54.10 (2.13)	220.70 (8.69)	9.70 (21.40)	CG-SR20S
CG-112125S	CG90-112125S	54.10 (2.13)	236.50 (9.31)	9.70 (21.40)	CG-SR21S
CG-125125S	CG90-125125S	54.10 (2.13)	293.60 (11.56)	9.70 (21.40)	CG-SR22S
CG-137125S	CG90-137125S	54.10 (2.13)	274.60 (10.81)	9.70 (21.40)	CG-SR23S

