

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.

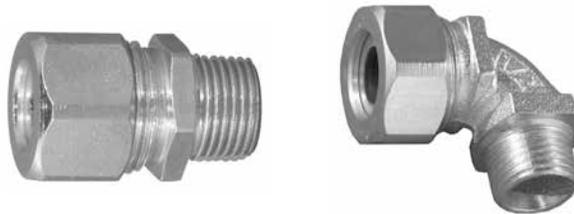
Aluminum



Straight

90°

Steel

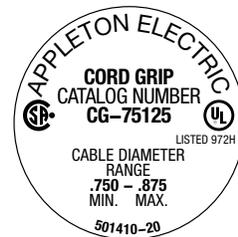


Straight

90°



Wire Mesh Strain Relief for Cord Connectors



Color coded label

Aluminum and Steel Liquidtight Strain Relief Cord and Cable Connectors

Replacement Glands

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

For Use With Straight Connectors	For Use With 90° Connectors	Cable Range (Inches)	Weight Per 100 kg (lb)	Catalog Number ①
For Connectors with 3/8 Inch Hubs				
CG-1238	CG90-1238	0.125—0.187 ②	1.13 (2.50)	CGG-221 ②
CG-1838	CG90-1838	0.187—0.312	0.86 (1.90)	CGG-222
CG-3138	CG90-3138	0.312—0.437	0.59 (1.30)	CGG-223
For Connectors with 1/2 Inch Hubs				
CG-1250	—	0.125—0.187	1.13 (2.50)	CGG-221 ②
—	CG90-1250	0.187—0.250	0.86 (1.90)	CGG-271
CG-1850	—	0.187—0.312	0.86 (1.90)	CGG-222
—	CG90-2550	0.250—0.375	0.59 (1.30)	CGG-272
CG-3150	—	0.312—0.437	0.59 (1.30)	CGG-223
CG-3750	CG90-3750	0.375—0.500	0.86 (1.90)	CGG-273
CG-5050	CG90-5050	0.500—0.625	0.59 (1.30)	CGG-274
CG-6250	CG90-6250	0.625—0.750	0.45 (1.00)	CGG-275
For Connectors with 3/4 Inch Hubs				
CG-1275	—	0.187—0.250	0.86 (1.90)	CGG-271
CG-2575	—	0.250—0.375	0.59 (1.30)	CGG-272
—	CG90-2575	0.250—0.375	0.59 (1.30)	CGG-325
CG-3775	—	0.375—0.500	0.86 (1.90)	CGG-273
—	CG90-3775	0.375—0.500	0.86 (1.90)	CGG-321
CG-5075	—	0.500—0.625	0.59 (1.30)	CGG-274
—	CG90-5075	0.500—0.625	0.59 (1.30)	CGG-322
CG-6275	CG90-6275	0.625—0.750	0.45 (1.00)	CGG-323
CG-7575	CG90-7575	0.750—0.875	0.45 (1.00)	CGG-324
For Connectors with 1 Inch Hubs				
CG-37100	—	0.375—0.500	0.86 (1.90)	CGG-321
CG-50100	—	0.500—0.625	0.59 (1.30)	CGG-322
CG-62100	—	0.625—0.750	0.45 (1.00)	CGG-323
—	CG90-62100	0.625—0.750	0.45 (1.00)	CGG-374
CG-75100	CG90-75100	0.750—0.875	1.32 (2.90)	CGG-371
CG-87100	CG90-87100	0.875—1.000	1.13 (2.50)	CGG-372
CG-100100	CG90-100100	1.000—1.125	1.00 (2.20)	CGG-373
For Connectors with 1-1/4 Inch Hubs				
CG-75125	—	0.750—0.875	1.32 (2.90)	CGG-371
—	CG90-75125	0.750—0.875	1.32 (2.90)	CGG-425
CG-87125	—	0.875—1.000	1.13 (2.50)	CGG-372
—	CG90-87125	0.875—1.000	1.13 (2.50)	CGG-426
CG-100125	CG90-100125	1.000—1.125	1.00 (2.20)	CGG-421
CG-112125	CG90-112125	1.125—1.250	0.86 (1.90)	CGG-422
CG-125125	CG90-125125	1.250—1.375	0.73 (1.60)	CGG-423
CG-137125	CG90-137125	1.375—1.500	0.59 (1.30)	CGG-424



① For Steel Backed Neoprene Sealing Gaskets and Steel Gasketed Sealing Locknuts, see Commercial Fittings.
② Not UL Listed below cable O.D. 0.187"