

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



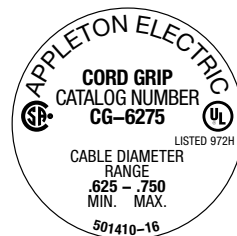
Straight



90°



Wire Mesh Strain Relief for Cord Connectors



Color coded label

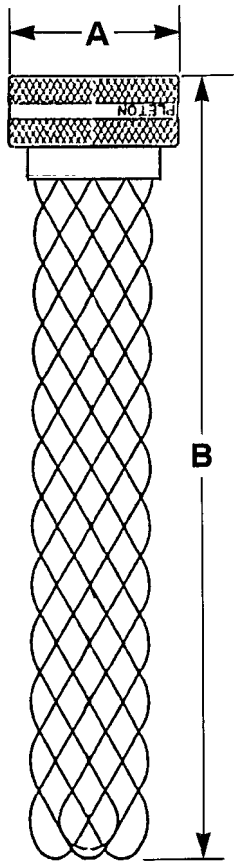
* Teflon is a registered trademark of E.I. DuPont de Nemours and Co.

Wire Mesh Strain Relief for Aluminum Cord Connectors

Suitable for use in:
Class I, Division 2
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Not to be used with stainless steel and nickel plated aluminum CG connectors

For Aluminum Cord Connectors			Dimensions (in/mm)		Wt. Lbs./Kgs. Per 100
CG—Straight	CG—90°	Use Catalog Number	A	B	
For Connectors with 3/8 Inch Hubs					
CG-1238	CG90-1238	CG-SR1	0.94/23.9	3.63/92.2	5.40/2.40
CG-1838	CG90-1838	CG-SR2	0.94/23.9	4.38/111.3	5.40/2.40
CG-3138	CG90-3138	CG-SR3	0.94/23.9	5.5/139.7	5.40/2.40
For Connectors with 1/2 Inch Hubs					
CG-1250	—	CG-SR1	0.94/23.9	3.63/92.2	11.70/5.30
—	CG90-1250	CG-SR4	1.25/31.8	4.38/111.3	11.70/5.30
CG-1850	—	CG-SR2	0.94/23.9	4.38/111.3	11.70/5.30
—	CG90-2550	CG-SR5	1.25/31.8	5.5/139.7	11.70/5.30
CG-3150	—	CG-SR3	0.94/23.9	5.5/139.7	11.70/5.30
CG-3750	CG90-3750	CG-SR6	1.25/31.8	6.13/155.7	11.70/5.30
CG-5050	CG90-5050	CG-SR7	1.25/31.8	6.88/174.8	11.70/5.30
CG-6250	CG90-6250	CG-SR8	1.25/31.8	9.38/238.3	11.70/5.30
For Connectors with 3/4 Inch Hubs					
CG-1275	—	CG-SR4	1.25/31.8	4.38/111.3	16.10/7.30
CG-2575	—	CG-SR5	1.25/31.8	5.5/139.7	16.10/7.30
—	CG90-2575	CG-SR9	1.38/35.1	4.13/104.9	16.10/7.30
CG-3775	—	CG-SR6	1.25/31.8	6.13/155.7	16.10/7.30
—	CG90-3775	CG-SR10	1.38/35.1	5.5/139.7	16.10/7.30
CG-5075	—	CG-SR7	1.25/31.8	6.88/174.8	16.10/7.30
—	CG90-5075	CG-SR11	1.38/35.1	6.38/162.1	16.10/7.30
CG-6275	CG90-6275	CG-SR12	1.38/35.1	8.38/212.9	16.10/7.30
CG-7575	CG90-7575	CG-SR13	1.38/35.1	9.13/231.9	16.10/7.30
For Connectors with 1 Inch Hubs					
CG-37100	—	CG-SR10	1.38/35.1	5.5/139.7	18.70/8.50
CG-50100	—	CG-SR11	1.38/35.1	6.38/162.1	18.70/8.50
CG-62100	—	CG-SR12	1.38/35.1	8.38/212.9	18.70/8.50
—	CG90-62100	CG-SR14	1.75/44.5	9.06/230.1	18.70/8.50
CG-75100	CG90-75100	CG-SR15	1.75/44.5	9.06/230.1	18.70/8.50
CG-87100	CG90-87100	CG-SR16	1.75/44.5	7.94/201.7	18.70/8.50
CG-100100	CG90-100100	CG-SR17	1.75/44.5	7.94/201.7	18.70/8.50
For Connectors with 1-1/4 Inch Hubs					
CG-75125	—	CG-SR15	1.75/44.5	9.06/230.1	21.40/9.70
—	CG90-75125	CG-SR18	2.13/54.1	8.94/227.1	21.40/9.70
CG-87125	—	CG-SR16	1.75/44.5	7.94/201.7	21.40/9.70
—	CG90-87125	CG-SR19	2.13/54.1	7.94/201.7	21.40/9.70
CG-100125	CG90-100125	CG-SR20	2.13/54.1	8.69/220.7	21.40/9.70
CG-112125	CG90-112125	CG-SR21	2.13/54.1	9.31/236.5	21.40/9.70
CG-125125	CG90-125125	CG-SR22	2.13/54.1	11.56/293.6	21.40/9.70
CG-137125	CG90-137125	CG-SR23	2.13/54.1	10.81/274.6	21.40/9.70



FITTINGS: CABLE AND CORD FITTINGS

Fittings