

Aluminum and Steel Liquidtight Strain Relief Cord and Cable Connectors

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.
- 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 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 as preferred by some industries.
- For particularly harsh applications, wire mesh strain reliefs may be used with cord and cable connectors. (See pages CC-6 and CC-7)

Standard Materials

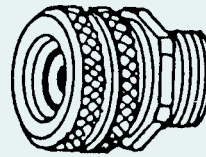
- CG Aluminum connectors consist of aluminum body and cap of copper-free aluminum (4/10 of 1% copper or less). Sealing grommet is neoprene, and washer is steel or Teflon*. 90° connectors have cast aluminum bodies.
- CG Steel connectors sizes 1/4" thru 2" have machined steel body and cap. Sealing grommet is neoprene and washer is steel or Teflon*. 90° connectors have malleable iron bodies.
- CG Wire Mesh Strain Reliefs are available in sizes 3/8" thru 4". Aluminum cap is copper free. Steel cap is steel, zinc plate. Wire mesh is stainless steel.

Sizes

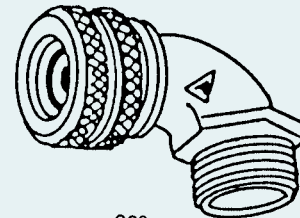
- CG Series in aluminum construction is available in straight type from 1/4" thru 4", 90° type from 3/8" thru 1-1/4".
- CG Series in steel construction is available in straight type from 1/4" thru 2" and 90° type from 3/8" thru 1-1/4".

Note

- For locknuts, see section CF.

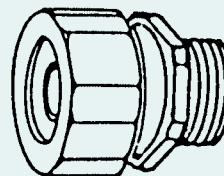


Straight

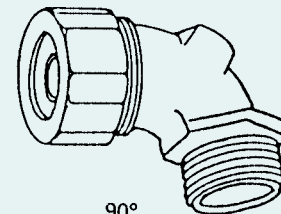


Aluminum

90°



Straight

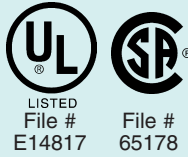


Steel

90°

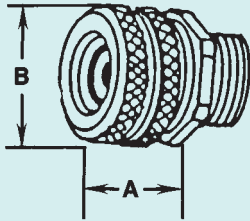
* Teflon is a registered trademark of E.I. DuPont de Nemours and Co.

Class I, Div. 2;
 Class II, Div. 1 and 2;
 Class III;
 NEC 501-4(b), 502-4(a)(2), 503-3(a)

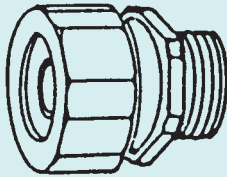


Straight Liquidtight Strain Relief Cord and Cable Connectors

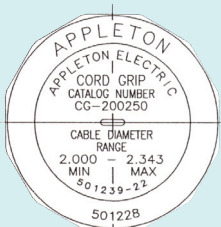
Catalog No.		Cable Range (In.)	Color-Coded Label	Dimension (In.)		Wt. Lbs. ALU	Per 100 STL	Std. Pkg.
Aluminum	Steel			A	B			
1/4 Inch Hubs								
CG-0625	CG-0625S	.060— .156	Purple/Pink	7/8	3/4	....	....	25
CG-1525	CG-1525S	.156— .250	Orange/Gray	7/8	3/4	3.7	9.0	25
3/8 Inch Hubs								
CG-1238	CG-1238S	.125— .187	Red	13/16	15/16	5.6	14.8	25
CG-1838	CG-1838S	.187— .312	Brown	13/16	15/16	5.0	13.2	25
CG-3138	CG-3138S	.312— .437	Yellow	13/16	15/16	5.6	14.8	25
1/2 Inch Hubs								
CG-1250	CG-1250S	.125— .187	Red	13/16	15/16	6.0	15.6	25
CG-1850	CG-1850S	.187— .312	Brown	13/16	15/16	6.0	15.6	25
CG-3150	CG-3150S	.312— .437	Yellow	13/16	15/16	6.0	15.6	25
CG-3750	CG-3750S	.375— .500	Purple	13/16	1-1/4	8.0	20.8	25
CG-5050	CG-5050S	.500— .625	Pink	13/16	1-1/4	8.0	20.8	25
CG6250*	CG-6250S*	.625— .750	Orange	13/16	1-1/4	8.0	20.8	25
3/4 Inch Hubs								
CG-1275	CG-1275S	.125— .250	Blue	7/8	1-1/4	10.0	26.0	25
CG-2575	CG-2575S	.250— .375	Green	7/8	1-1/4	10.0	26.0	25
CG-3775	CG-3775S	.375— .500	Purple	7/8	1-1/4	10.0	26.0	25
CG-5075	CG-5075S	.500— .625	Pink	7/8	1-1/4	10.0	26.0	25
CG-6275	CG-6275S	.625— .750	Orange	7/8	1-3/8	10.0	26.0	25
CG-7575*	CG-7575S*	.750— .875	Gray	7/8	1-3/8	10.0	26.0	25
1 Inch Hubs								
CG-37100	CG-37100S	.375— .500	Purple	15/16	1-3/8	15.0	39.0	10
CG-50100	CG-50100S	.500— .625	Pink	15/16	1-3/8	15.0	39.0	10
CG-62100	CG-62100S	.625— .750	Orange	15/16	1-3/8	15.0	39.0	10
CG-75100	CG-75100S	.750— .875	Gray	15/16	1-3/4	15.0	39.0	10
CG-87100	CG-87100S	.875— 1.000	Red	15/16	1-3/4	15.0	39.0	10
CG-100100*	CG-100100S*	1.000— 1.125	Blue	15/16	1-3/4	15.0	39.0	10
1-1/4 Inch Hubs								
CG-75125	CG-75125S	.750— .875	Gray	1-1/16	1-3/4	23.0	60.0	10
CG-87125	CG-87125S	.875— 1.000	Red	1-1/16	1-3/4	25.0	65.0	10
CG-100125	CG-100125S	1.000— 1.125	Blue	1-1/16	2-1/8	25.0	65.0	10
CG-112125	CG-112125S	1.125— 1.250	Brown	1-1/16	2-1/8	25.0	65.0	10
CG-125125*	CG-125125S*	1.250— 1.375	Green	1-1/16	2-1/8	22.0	57.0	10
CG-137125*	CG-137125S*	1.375— 1.500	Yellow	1-1/16	2-1/8	20.0	52.0	10
1-1/2 Inch Hubs								
CG-115150	CG-115150S	1.156— 1.312		1-15/16	2-3/16	31.1	92.0	10
CG-128150++	CG-128150S	1.281— 1.531		2-5/8	2-9/16	61.2	160.0	10
2 Inch Hubs								
CG-153200+	CG-153200S	1.531— 1.780		2-7/16	3	95.0	230.0	5
CG-165200++	....	1.650— 2.000		2-7/16	3-3/16	100.0		5
2-1/2 Inch Hubs								
CG-200250++	....	2.000— 2.343		3-1/16	3-7/16	141.3		5
CG-225250++	....	2.250— 2.500		3-1/16	3-11/16	141.9		5
3 Inch Hubs								
CG-250300++	....	2.500— 2.843		3-1/16	4-1/16	196.3		5
CG-268300++	....	2.687— 3.062		3-1/4	4-1/2	256.3		5
3-1/2 Inch Hubs+								
CG-300350	....	3.000— 3.390		3-1/4	4-3/4	212.5		1
CG-328350	....	3.281— 3.515		3-1/4	5	225.0		1
4 Inch Hubs+								
CG-350400	....	3.500— 3.843		3-1/4	5-1/4	275.0		1
CG-375400	....	3.750— 4.000		3-1/4	5-1/2	293.8		1



Aluminum



Steel



Color-coded label

+Not UL Listed

++Not CSA Certified

*Remove sufficient outer covering of cord or cable to pass conductors through connector body.

Effective November, 2002
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