

# Cord And Cable Connectors

## CG Series Color-Coded Cord Grips

CG

### Applications:

CG Series color-coded grips with neoprene bushings are for use with portable cords, including S, SO, STO, ST, SJ, SJT, SJTO, and SVO.

CG cord grips are installed to:

- Provide a means for passing a cord into an enclosure
- Form a watertight seal for cord
- Provide pullout protection for cord, ensuring a secure connection

### Features:

- Neoprene bushings are color coded by cable diameter for quick and easy identification of proper cord grip.
- Rugged construction protects cord from damage.
- Compact design permits close spacing of fittings on panel applications.
- Tightening one nut creates watertight seal.
- Male tapered thread NPT.
- Straight cord grips available in steel or aluminum, 45° and 90° cord grips available in malleable iron.

### Certifications and Compliances:

- UL Standard: 514B
- UL File No. E-23223
- CSA Standard: C22.2 No. 18
- Suitable for NEMA 4 enclosures and other wet locations
- Suitable for use in Class I, Div. 2 hazardous locations when installed in accordance with NEC 501.10(B)(2).

### Standard Materials:

- Body – Straight: 1/2" through 1 1/2" steel, or 1/2" through 1" aluminum
- Body – 45° – 1/2" through 1" malleable iron
- Body – 90° – 1/2" through 1" malleable iron
- Nut – steel or aluminum
- Bushing – neoprene

### Standard Finishes:

- Body (steel or malleable Iron) – electrogalvanized
- Body (aluminum) – natural
- Nut (steel) – electrogalvanized
- Nut (aluminum) – natural

### Straight Connector

Steel Cat. #	Alum. Cat. #	Trade Size	Color	Cable Range Min.	Cable Range Max.	Unit Qty.	Wt. Lbs.* Per 100
CG50 250	CG50 250SA	1/2"	Red	0.15	0.25	25	10
CG50 350	CG50 350SA	1/2"	White	0.25	0.35	25	10
CG50 450	CG50 450SA	1/2"	Blue	0.35	0.45	25	10
CG50 560	CG50 560SA	1/2"	Green	0.45	0.56	25	10
CG50 650	CG50 650SA	1/2"	Brown	0.55	0.65	25	10
CG75 250	CG75 250SA	3/4"	Red	0.15	0.25	10	14
CG75 350	CG75 350SA	3/4"	White	0.25	0.35	10	14
CG75 450	CG75 450SA	3/4"	Blue	0.35	0.45	10	14
CG75 560	CG75 560SA	3/4"	Green	0.45	0.56	10	14
CG75 650	CG75 650SA	3/4"	Brown	0.55	0.65	10	14
CG75 750	CG75 750SA	3/4"	Yellow	0.65	0.75	10	14
CG75 850	CG75 850SA	3/4"	Purple	0.75	0.85	10	14
CG100 560	CG100 560SA	1"	Green	0.45	0.56	5	20
CG100 650	CG100 650SA	1"	Brown	0.55	0.65	5	20
CG100 750	CG100 750SA	1"	Yellow	0.65	0.75	5	20
CG100 850	CG100 850SA	1"	Purple	0.75	0.85	5	20
CG100 950	CG100 950SA	1"	Gray	0.85	0.95	5	20
CG100 1050	CG100 1050SA	1"	Black	0.95	1.05	5	20
CG125 850		1 1/4"	Purple	0.75	0.85	5	40
CG125 950		1 1/4"	Gray	0.85	0.95	5	40
CG125 1050		1 1/4"	Black	0.95	1.05	5	40
CG125 1150		1 1/4"	Orange	1.05	1.15	5	40
CG125 1250		1 1/4"	Red	1.15	1.25	5	40
CG125 1375		1 1/4"	White	1.25	1.375	5	40
CG150 1050		1 1/2"	Black	0.95	1.05	2	70
CG150 1150		1 1/2"	Orange	1.05	1.15	2	70
CG150 1250		1 1/2"	Red	1.15	1.25	2	70
CG150 1375		1 1/2"	White	1.25	1.375	2	70

\*Wt. Lbs. Per 100 is for steel connectors only



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### 45° Connector

Steel Cat. #	Trade Size	Color	Cable Range Min.	Cable Range Max.	Unit Qty.	Wt. Lbs. Per 100
CG5045 250	1/2"	Red	0.15	0.25	10	24
CG5045 350	1/2"	White	0.25	0.35	10	24
CG5045 450	1/2"	Blue	0.35	0.45	10	24
CG5045 560	1/2"	Green	0.45	0.56	10	24
CG5045 650	1/2"	Brown	0.55	0.65	10	24
CG7545 250	3/4"	Red	0.15	0.25	10	36
CG7545 350	3/4"	White	0.25	0.35	10	36
CG7545 450	3/4"	Blue	0.35	0.45	10	36
CG7545 560	3/4"	Green	0.45	0.56	10	36
CG7545 650	3/4"	Brown	0.55	0.65	10	36
CG7545 750	3/4"	Yellow	0.65	0.75	10	36
CG7545 850	3/4"	Purple	0.75	0.85	10	36
CG10045 560	1"	Green	0.45	0.56	5	68
CG10045 650	1"	Brown	0.55	0.65	5	68
CG10045 750	1"	Yellow	0.65	0.75	5	68
CG10045 850	1"	Purple	0.75	0.85	5	68
CG10045 950	1"	Gray	0.85	0.95	5	68
CG10045 1050	1"	Black	0.95	1.05	5	68



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### 90° Connector

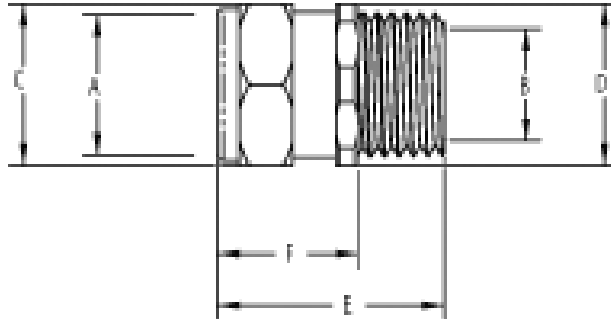
Steel Cat. #	Trade Size	Color	Cable Range Min.	Cable Range Max.	Unit Qty.	Wt. Lbs. Per 100
CG5090 250	1/2"	Red	0.15	0.25	10	26
CG5090 350	1/2"	White	0.25	0.35	10	26
CG5090 450	1/2"	Blue	0.35	0.45	10	26
CG5090 560	1/2"	Green	0.45	0.56	10	26
CG5090 650	1/2"	Brown	0.55	0.65	10	26
CG7590 250	3/4"	Red	0.15	0.25	10	48
CG7590 350	3/4"	White	0.25	0.35	10	48
CG7590 450	3/4"	Blue	0.35	0.45	10	48
CG7590 560	3/4"	Green	0.45	0.56	10	48
CG7590 650	3/4"	Brown	0.55	0.65	10	48
CG7590 750	3/4"	Yellow	0.65	0.75	10	48
CG7590 850	3/4"	Purple	0.75	0.85	10	48
CG10090 560	1"	Green	0.45	0.56	5	68
CG10090 650	1"	Brown	0.55	0.65	5	68
CG10090 750	1"	Yellow	0.65	0.75	5	68
CG10090 850	1"	Purple	0.75	0.85	5	68
CG10090 950	1"	Gray	0.85	0.95	5	68
CG10090 1050	1"	Black	0.95	1.05	5	68



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### Cord Grips Dimensional Information



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Cat. #	Size	A		B	C	D	E	F
		CABLE RANGES		MAX.	CROSS	HEX	OVERALL	EXPOSED
		MIN.	MAX.	CABLE	CORNER	BODY	LENGTH	LENGTH
CG50 250SA	1/2	0.150	0.250	0.640	1.070	0.975	1 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>
CG50 350SA	1/2	0.250	0.350	0.640	1.070	0.975	1 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>
CG50 450SA	1/2	0.350	0.450	0.640	1.070	0.975	1 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>
CG50 560SA	1/2	0.450	0.560	0.640	1.070	0.975	1 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>
CG50 650SA	1/2	0.560	0.650	0.640	1.070	0.975	1 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>
CG75 250SA	3/4	0.150	0.250	0.687	1.070	1.220	1 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>
CG75 350SA	3/4	0.250	0.350	0.687	1.070	1.220	1 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>
CG75 450SA	3/4	0.350	0.450	0.687	1.070	1.220	1 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>
CG75 560SA	3/4	0.450	0.560	0.687	1.070	1.220	1 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>
CG75 650SA	3/4	0.560	0.650	0.687	1.070	1.220	1 <sup>5</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>
CG75 750SA	3/4	0.650	0.750	0.845	1.330	1.220	1 <sup>5</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>32</sub>
CG75 850SA	3/4	0.750	0.850	0.845	1.330	1.220	1 <sup>5</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>32</sub>
CG100 560SA	1	0.450	0.560	0.937	1.330	1.500	1 <sup>3</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>8</sub>
CG100 650SA	1	0.560	0.650	0.937	1.330	1.500	1 <sup>3</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>8</sub>
CG100 750SA	1	0.650	0.750	0.937	1.330	1.500	1 <sup>3</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>8</sub>
CG100 850SA	1	0.750	0.850	0.937	1.330	1.500	1 <sup>3</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>8</sub>
CG100 950SA	1	0.850	0.950	1.050	1.625	1.500	1 <sup>7</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>16</sub>
CG100 1050SA	1	0.950	1.050	1.050	1.625	1.500	1 <sup>7</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>16</sub>