

Cord & cable connectors

CG series color-coded cord grips

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 pull-out 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, Division 2 hazardous locations when installed in accordance with NEC 501.10(B)(2)



Standard materials:

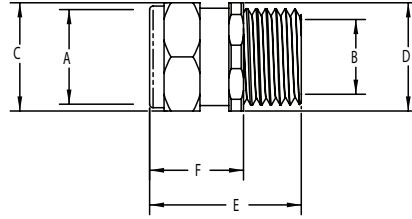
- Body – straight – 1/2" through 1 1/2": steel; 1/2" through 1": aluminum
45° – 1/2" through 1": malleable iron
90° – 1/2" through 1": malleable iron
- Nut – steel or aluminum
- Bushing – neoprene

Standard finishes:

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

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Straight connectors

Straight connector dimensions (in inches):

| Cat. # Steel | Cat. # Aluminum | 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 |

| Cable ranges | | B | C | D | E | F |
|--------------|-------|------------|--------------|----------|----------------|----------------|
| Min. | Max. | Max. cable | Cross corner | Hex body | Overall length | Exposed length |
| 0.150 | 0.250 | 0.640 | 1.070 | 0.975 | 1 1/16 | 1 3/16 |
| 0.250 | 0.350 | 0.640 | 1.070 | 0.975 | 1 1/16 | 1 3/16 |
| 0.350 | 0.450 | 0.640 | 1.070 | 0.975 | 1 1/16 | 1 3/16 |
| 0.450 | 0.560 | 0.640 | 1.070 | 0.975 | 1 1/16 | 1 3/16 |
| 0.560 | 0.650 | 0.640 | 1.070 | 0.975 | 1 1/16 | 1 3/16 |
| 0.150 | 0.250 | 0.687 | 1.070 | 1.220 | 1 5/16 | 1 3/16 |
| 0.250 | 0.350 | 0.687 | 1.070 | 1.220 | 1 5/16 | 1 3/16 |
| 0.350 | 0.450 | 0.687 | 1.070 | 1.220 | 1 5/16 | 1 3/16 |
| 0.450 | 0.560 | 0.687 | 1.070 | 1.220 | 1 5/16 | 1 3/16 |
| 0.560 | 0.650 | 0.687 | 1.070 | 1.220 | 1 5/16 | 1 3/16 |
| 0.650 | 0.750 | 0.845 | 1.330 | 1.220 | 1 5/16 | 1 1/32 |
| 0.750 | 0.850 | 0.845 | 1.330 | 1.220 | 1 5/16 | 1 1/32 |
| 0.450 | 0.560 | 0.937 | 1.330 | 1.500 | 1 3/4 | 1 1/8 |
| 0.560 | 0.650 | 0.937 | 1.330 | 1.500 | 1 3/4 | 1 1/8 |
| 0.650 | 0.750 | 0.937 | 1.330 | 1.500 | 1 3/4 | 1 1/8 |
| 0.750 | 0.850 | 0.937 | 1.330 | 1.500 | 1 3/4 | 1 1/8 |
| 0.850 | 0.950 | 1.050 | 1.625 | 1.500 | 1 7/8 | 1 3/16 |
| 0.950 | 1.050 | 1.050 | 1.625 | 1.500 | 1 7/8 | 1 3/16 |
| 0.750 | 0.850 | 1.187 | 1.625 | 1.900 | 1 15/16 | 1 1/4 |
| 0.850 | 0.950 | 1.187 | 1.625 | 1.900 | 1 15/16 | 1 1/4 |
| 0.950 | 1.050 | 1.375 | 2.032 | 1.900 | 1 15/16 | 1 1/4 |
| 1.050 | 1.150 | 1.375 | 2.032 | 1.900 | 1 15/16 | 1 1/4 |
| 1.150 | 1.250 | 1.375 | 2.032 | 1.900 | 1 15/16 | 1 1/4 |
| 1.250 | 1.375 | 1.375 | 2.032 | 2.280 | 2 | 1 5/16 |
| 1.050 | 1.150 | 1.375 | 2.032 | 2.280 | 2 | 1 5/16 |
| 1.150 | 1.250 | 1.375 | 2.032 | 2.280 | 2 | 1 5/16 |
| 1.250 | 1.375 | 1.375 | 2.032 | 2.280 | 2 | 1 5/16 |

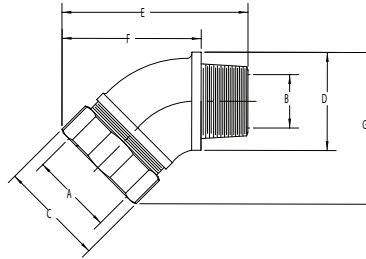
ⓧ Wt. lbs. per 100 is for steel connectors only.

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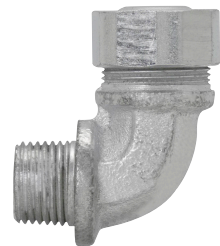


45° connectors

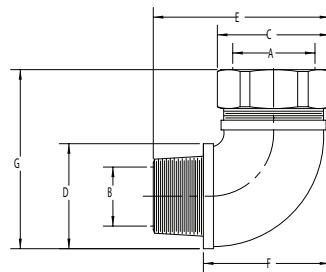


45° connector dimensions (in inches):

| Cat. # Steel | Size | Color | Cable range min. | Cable range max. | Unit qty. | Wt. lbs. per 100 | A | | B | C | D | E | F | G |
|-----------------|------|--------|------------------|------------------|-----------|------------------|--------------|-------|------------|--------------|----------|----------------|----------------|---------|
| | | | | | | | Cable ranges | | Max. cable | Cross corner | Hex body | Overall length | Exposed length | Width |
| | | | | | | | Min. | Max. | | | | | | |
| CG5045 250 | 1/2" | Red | 0.15 | 0.25 | 10 | 24 | 0.150 | 0.250 | 9/32 | 1 3/16 | 1 3/16 | 2 9/32 | 1 25/32 | 1 7/8 |
| CG5045 350 | 1/2" | White | 0.25 | 0.35 | 10 | 24 | 0.250 | 0.350 | 9/32 | 1 3/16 | 1 3/16 | 2 9/32 | 1 25/32 | 1 7/8 |
| CG5045 450 | 1/2" | Blue | 0.35 | 0.45 | 10 | 24 | 0.350 | 0.450 | 9/32 | 1 3/16 | 1 3/16 | 2 9/32 | 1 25/32 | 1 7/8 |
| CG5045 560 | 1/2" | Green | 0.45 | 0.56 | 10 | 24 | 0.450 | 0.560 | 9/32 | 1 3/16 | 1 3/16 | 2 9/32 | 1 25/32 | 1 7/8 |
| CG5045 650 | 1/2" | Brown | 0.55 | 0.65 | 10 | 24 | 0.560 | 0.650 | 9/32 | 1 3/16 | 1 3/16 | 2 9/32 | 1 25/32 | 1 7/8 |
| CG7545 250 | 3/4" | Red | 0.15 | 0.25 | 10 | 36 | 0.150 | 0.250 | 1 7/16 | 1 7/16 | 1 11/32 | 2 17/32 | 1 29/32 | 2 |
| CG7545 350 | 3/4" | White | 0.25 | 0.35 | 10 | 36 | 0.250 | 0.350 | 1 7/16 | 1 7/16 | 1 11/32 | 2 17/32 | 1 29/32 | 2 |
| CG7545 450 | 3/4" | Blue | 0.35 | 0.45 | 10 | 36 | 0.350 | 0.450 | 1 7/16 | 1 7/16 | 1 11/32 | 2 17/32 | 1 29/32 | 2 |
| CG7545 560 | 3/4" | Green | 0.45 | 0.56 | 10 | 36 | 0.450 | 0.560 | 1 7/16 | 1 7/16 | 1 11/32 | 2 17/32 | 1 29/32 | 2 |
| CG7545 650 | 3/4" | Brown | 0.55 | 0.65 | 10 | 36 | 0.560 | 0.650 | 1 7/16 | 1 7/16 | 1 11/32 | 2 17/32 | 1 29/32 | 2 |
| CG7545 750 | 3/4" | Yellow | 0.65 | 0.75 | 10 | 36 | 0.650 | 0.750 | 1 7/16 | 1 7/16 | 1 11/32 | 2 17/32 | 1 29/32 | 2 |
| CG7545 850 | 3/4" | Purple | 0.75 | 0.85 | 10 | 36 | 0.750 | 0.850 | 1 7/16 | 1 7/16 | 1 11/32 | 2 17/32 | 1 29/32 | 2 |
| CG10045 560 | 1" | Green | 0.45 | 0.56 | 5 | 68 | 0.450 | 0.560 | 3 1/32 | 1 3/4 | 1 11/16 | 2 9/16 | 2 11/32 | 2 15/32 |
| CG10045 650 | 1" | Brown | 0.55 | 0.65 | 5 | 68 | 0.560 | 0.650 | 3 1/32 | 1 3/4 | 1 11/16 | 2 9/16 | 2 11/32 | 2 15/32 |
| CG10045 750 | 1" | Yellow | 0.65 | 0.75 | 5 | 68 | 0.650 | 0.750 | 3 1/32 | 1 3/4 | 1 11/16 | 2 9/16 | 2 11/32 | 2 15/32 |
| CG10045 850 | 1" | Purple | 0.75 | 0.85 | 5 | 68 | 0.750 | 0.850 | 3 1/32 | 1 3/4 | 1 11/16 | 2 9/16 | 2 11/32 | 2 15/32 |
| CG10045 950 | 1" | Gray | 0.85 | 0.95 | 5 | 68 | 0.850 | 0.950 | 3 1/32 | 1 3/4 | 1 11/16 | 2 9/16 | 2 11/32 | 2 15/32 |
| CG10045 1050 | 1" | Black | 0.95 | 1.05 | 5 | 68 | 0.950 | 1.050 | 3 1/32 | 1 3/4 | 1 11/16 | 2 9/16 | 2 11/32 | 2 15/32 |



90° connectors



90° connector dimensions (in inches):

| Cat. # Steel | Size | Color | Cable range min. | Cable range max. | Unit qty. | Wt. lbs. per 100 | A | | B | C | D | E | F | G |
|-----------------|------|--------|------------------|------------------|-----------|------------------|--------------|-------|------------|--------------|----------|----------------|----------------|---------|
| | | | | | | | Cable ranges | | Max. cable | Cross corner | Hex body | Overall length | Exposed length | Width |
| | | | | | | | Min. | Max. | | | | | | |
| CG5090 250 | 1/2" | Red | 0.15 | 0.25 | 10 | 26 | 0.150 | 0.250 | 9/32 | 1 3/16 | 1 3/16 | 1 3/16 | 1 3/16 | 2 1/4 |
| CG5090 350 | 1/2" | White | 0.25 | 0.35 | 10 | 26 | 0.250 | 0.350 | 9/32 | 1 3/16 | 1 3/16 | 1 3/16 | 1 3/16 | 2 1/4 |
| CG5090 450 | 1/2" | Blue | 0.35 | 0.45 | 10 | 26 | 0.350 | 0.450 | 9/32 | 1 3/16 | 1 3/16 | 1 3/16 | 1 3/16 | 2 1/4 |
| CG5090 560 | 1/2" | Green | 0.45 | 0.56 | 10 | 26 | 0.450 | 0.560 | 9/32 | 1 3/16 | 1 3/16 | 1 3/16 | 1 3/16 | 2 1/4 |
| CG5090 650 | 1/2" | Brown | 0.55 | 0.65 | 10 | 26 | 0.560 | 0.650 | 9/32 | 1 3/16 | 1 3/16 | 1 3/16 | 1 3/16 | 2 1/4 |
| CG7590 250 | 3/4" | Red | 0.15 | 0.25 | 10 | 48 | 0.150 | 0.250 | 1 7/16 | 1 7/16 | 1 11/32 | 2 1/16 | 2 1/16 | 2 1/32 |
| CG7590 350 | 3/4" | White | 0.25 | 0.35 | 10 | 48 | 0.250 | 0.350 | 1 7/16 | 1 7/16 | 1 11/32 | 2 1/16 | 2 1/16 | 2 1/32 |
| CG7590 450 | 3/4" | Blue | 0.35 | 0.45 | 10 | 48 | 0.350 | 0.450 | 1 7/16 | 1 7/16 | 1 11/32 | 2 1/16 | 2 1/16 | 2 1/32 |
| CG7590 560 | 3/4" | Green | 0.45 | 0.56 | 10 | 48 | 0.450 | 0.560 | 1 7/16 | 1 7/16 | 1 11/32 | 2 1/16 | 2 1/16 | 2 1/32 |
| CG7590 650 | 3/4" | Brown | 0.55 | 0.65 | 10 | 48 | 0.560 | 0.650 | 1 7/16 | 1 7/16 | 1 11/32 | 2 1/16 | 2 1/16 | 2 1/32 |
| CG7590 750 | 3/4" | Yellow | 0.65 | 0.75 | 10 | 48 | 0.650 | 0.750 | 1 7/16 | 1 7/16 | 1 11/32 | 2 1/16 | 2 1/16 | 2 1/32 |
| CG7590 850 | 3/4" | Purple | 0.75 | 0.85 | 10 | 48 | 0.750 | 0.850 | 1 7/16 | 1 7/16 | 1 11/32 | 2 1/16 | 2 1/16 | 2 1/32 |
| CG10090 560 | 1" | Green | 0.45 | 0.56 | 5 | 68 | 0.450 | 0.560 | 3 1/32 | 1 3/4 | 1 11/16 | 2 3/4 | 2 1/32 | 2 29/32 |
| CG10090 650 | 1" | Brown | 0.55 | 0.65 | 5 | 68 | 0.560 | 0.650 | 3 1/32 | 1 3/4 | 1 11/16 | 2 3/4 | 2 1/32 | 2 29/32 |
| CG10090 750 | 1" | Yellow | 0.65 | 0.75 | 5 | 68 | 0.650 | 0.750 | 3 1/32 | 1 3/4 | 1 11/16 | 2 3/4 | 2 1/32 | 2 29/32 |
| CG10090 850 | 1" | Purple | 0.75 | 0.85 | 5 | 68 | 0.750 | 0.850 | 3 1/32 | 1 3/4 | 1 11/16 | 2 3/4 | 2 1/32 | 2 29/32 |
| CG10090 950 | 1" | Gray | 0.85 | 0.95 | 5 | 68 | 0.850 | 0.950 | 3 1/32 | 1 3/4 | 1 11/16 | 2 3/4 | 2 1/32 | 3 |
| CG10090 1050 | 1" | Black | 0.95 | 1.05 | 5 | 68 | 0.950 | 1.050 | 3 1/32 | 1 3/4 | 1 11/16 | 2 3/4 | 2 1/32 | 3 |

Cord & cable