

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:

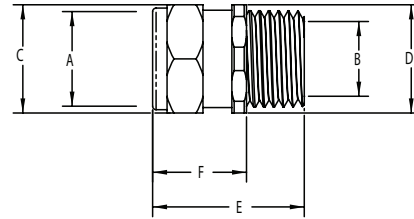
- Body – straight – 1/2" through 1 1/2": steel; 1/2" through 1": aluminum
45° – 1/2" through 1": malleable iron
90° – 1/2" through 1": malleable iron
- Nut – steel or aluminum
- Bushing – neoprene

Standard finishes:

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

Cord & cable connectors

CG series color-coded cord grips



Straight connectors

Straight connector dimensions (in inches):

Cord & cable

Cat. # Steel	Cat. # Aluminum	Size	Color	Cable range min.	Cable range max.	Unit qty.	Wt. lbs. per 100 [ⓧ]	A	B	C	D	E	F	
								Cable ranges		Max. cable	Cross corner	Hex body	Overall length	Exposed length
								Min.	Max.					
CG50 250	CG50 250SA	1/2"	Red	0.15	0.25	25	10	0.150	0.250	0.640	1.070	0.975	1 ⁵ / ₁₆	1 ³ / ₁₆
CG50 350	CG50 350SA	1/2"	White	0.25	0.35	25	10	0.250	0.350	0.640	1.070	0.975	1 ⁵ / ₁₆	1 ³ / ₁₆
CG50 450	CG50 450SA	1/2"	Blue	0.35	0.45	25	10	0.350	0.450	0.640	1.070	0.975	1 ⁵ / ₁₆	1 ³ / ₁₆
CG50 560	CG50 560SA	1/2"	Green	0.45	0.56	25	10	0.450	0.560	0.640	1.070	0.975	1 ⁵ / ₁₆	1 ³ / ₁₆
CG50 650	CG50 650SA	1/2"	Brown	0.55	0.65	25	10	0.560	0.650	0.640	1.070	0.975	1 ⁵ / ₁₆	1 ³ / ₁₆
CG75 250	CG75 250SA	3/4"	Red	0.15	0.25	10	14	0.150	0.250	0.687	1.070	1.220	1 ⁵ / ₁₆	1 ³ / ₁₆
CG75 350	CG75 350SA	3/4"	White	0.25	0.35	10	14	0.250	0.350	0.687	1.070	1.220	1 ⁵ / ₁₆	1 ³ / ₁₆
CG75 450	CG75 450SA	3/4"	Blue	0.35	0.45	10	14	0.350	0.450	0.687	1.070	1.220	1 ⁵ / ₁₆	1 ³ / ₁₆
CG75 560	CG75 560SA	3/4"	Green	0.45	0.56	10	14	0.450	0.560	0.687	1.070	1.220	1 ⁵ / ₁₆	1 ³ / ₁₆
CG75 650	CG75 650SA	3/4"	Brown	0.55	0.65	10	14	0.560	0.650	0.687	1.070	1.220	1 ⁵ / ₁₆	1 ³ / ₁₆
CG75 750	CG75 750SA	3/4"	Yellow	0.65	0.75	10	14	0.650	0.750	0.845	1.330	1.220	1 ⁵ / ₁₆	1 ¹ / ₃₂
CG75 850	CG75 850SA	3/4"	Purple	0.75	0.85	10	14	0.750	0.850	0.845	1.330	1.220	1 ⁵ / ₁₆	1 ¹ / ₃₂
CG100 560	CG100 560SA	1"	Green	0.45	0.56	5	20	0.450	0.560	0.937	1.330	1.500	1 ³ / ₄	1 ¹ / ₈
CG100 650	CG100 650SA	1"	Brown	0.55	0.65	5	20	0.560	0.650	0.937	1.330	1.500	1 ³ / ₄	1 ¹ / ₈
CG100 750	CG100 750SA	1"	Yellow	0.65	0.75	5	20	0.650	0.750	0.937	1.330	1.500	1 ³ / ₄	1 ¹ / ₈
CG100 850	CG100 850SA	1"	Purple	0.75	0.85	5	20	0.750	0.850	0.937	1.330	1.500	1 ³ / ₄	1 ¹ / ₈
CG100 950	CG100 950SA	1"	Gray	0.85	0.95	5	20	0.850	0.950	1.050	1.625	1.500	1 ⁷ / ₈	1 ³ / ₁₆
CG100 1050	CG100 1050SA	1"	Black	0.95	1.05	5	20	0.950	1.050	1.050	1.625	1.500	1 ⁷ / ₈	1 ³ / ₁₆
CG125 850		1 1/4"	Purple	0.75	0.85	5	40	0.750	0.850	1.187	1.625	1.900	1 ¹⁵ / ₁₆	1 1/4
CG125 950		1 1/4"	Gray	0.85	0.95	5	40	0.850	0.950	1.187	1.625	1.900	1 ¹⁵ / ₁₆	1 1/4
CG125 1050		1 1/4"	Black	0.95	1.05	5	40	0.950	1.050	1.375	2.032	1.900	1 ¹⁵ / ₁₆	1 1/4
CG125 1150		1 1/4"	Orange	1.05	1.15	5	40	1.050	1.150	1.375	2.032	1.900	1 ¹⁵ / ₁₆	1 1/4
CG125 1250		1 1/4"	Red	1.15	1.25	5	40	1.150	1.250	1.375	2.032	1.900	1 ¹⁵ / ₁₆	1 1/4
CG125 1375		1 1/4"	White	1.25	1.375	5	40	1.250	1.375	1.375	2.032	1.900	1 ¹⁵ / ₁₆	1 1/4
CG150 1050		1 1/2"	Black	0.95	1.05	2	70	0.950	1.050	1.375	2.032	2.280	2	1 ⁵ / ₁₆
CG150 1150		1 1/2"	Orange	1.05	1.15	2	70	1.050	1.150	1.375	2.032	2.280	2	1 ⁵ / ₁₆
CG150 1250		1 1/2"	Red	1.15	1.25	2	70	1.150	1.250	1.375	2.032	2.280	2	1 ⁵ / ₁₆
CG150 1375		1 1/2"	White	1.25	1.375	2	70	1.250	1.375	1.375	2.032	2.280	2	1 ⁵ / ₁₆

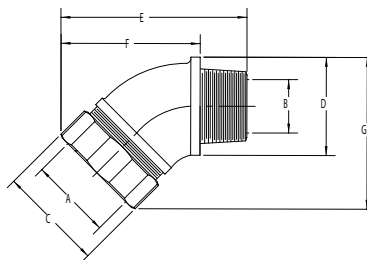
ⓧ Wt. lbs. per 100 is for steel connectors only.

Cord & cable connectors

CG series color-coded cord grips



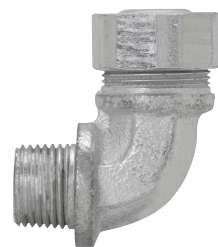
45° connectors



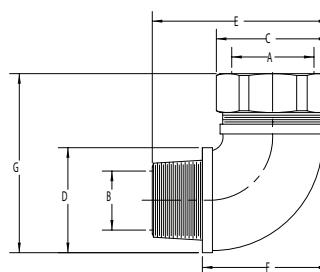
45° connector dimensions (in inches):

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	19/32	13/16	13/16	29/32	125/32	17/8
CG5045 350	1/2"	White	0.25	0.35	10	24	0.250	0.350	19/32	13/16	13/16	29/32	125/32	17/8
CG5045 450	1/2"	Blue	0.35	0.45	10	24	0.350	0.450	19/32	13/16	13/16	29/32	125/32	17/8
CG5045 560	1/2"	Green	0.45	0.56	10	24	0.450	0.560	19/32	13/16	13/16	29/32	125/32	17/8
CG5045 650	1/2"	Brown	0.55	0.65	10	24	0.560	0.650	19/32	13/16	13/16	29/32	125/32	17/8
CG7545 250	3/4"	Red	0.15	0.25	10	36	0.150	0.250	13/16	17/16	111/32	271/32	129/32	2
CG7545 350	3/4"	White	0.25	0.35	10	36	0.250	0.350	13/16	17/16	111/32	271/32	129/32	2
CG7545 450	3/4"	Blue	0.35	0.45	10	36	0.350	0.450	13/16	17/16	111/32	271/32	129/32	2
CG7545 560	3/4"	Green	0.45	0.56	10	36	0.450	0.560	13/16	17/16	111/32	271/32	129/32	2
CG7545 650	3/4"	Brown	0.55	0.65	10	36	0.560	0.650	13/16	17/16	111/32	271/32	129/32	2
CG7545 750	3/4"	Yellow	0.65	0.75	10	36	0.650	0.750	13/16	17/16	111/32	271/32	129/32	2
CG7545 850	3/4"	Purple	0.75	0.85	10	36	0.750	0.850	13/16	17/16	111/32	271/32	129/32	2
CG10045 560	1"	Green	0.45	0.56	5	68	0.450	0.560	31/32	13/4	111/16	229/32	211/32	215/32
CG10045 650	1"	Brown	0.55	0.65	5	68	0.560	0.650	31/32	13/4	111/16	229/32	211/32	215/32
CG10045 750	1"	Yellow	0.65	0.75	5	68	0.650	0.750	31/32	13/4	111/16	229/32	211/32	215/32
CG10045 850	1"	Purple	0.75	0.85	5	68	0.750	0.850	31/32	13/4	111/16	229/32	211/32	215/32
CG10045 950	1"	Gray	0.85	0.95	5	68	0.850	0.950	31/32	13/4	111/16	229/32	211/32	215/32
CG10045 1050	1"	Black	0.95	1.05	5	68	0.950	1.050	31/32	13/4	111/16	229/32	211/32	215/32

Cord & cable



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	19/32	13/16	13/16	13/16	13/16	2 1/4
CG5090 350	1/2"	White	0.25	0.35	10	26	0.250	0.350	19/32	13/16	13/16	13/16	13/16	2 1/4
CG5090 450	1/2"	Blue	0.35	0.45	10	26	0.350	0.450	19/32	13/16	13/16	13/16	13/16	2 1/4
CG5090 560	1/2"	Green	0.45	0.56	10	26	0.450	0.560	19/32	13/16	13/16	13/16	13/16	2 1/4
CG5090 650	1/2"	Brown	0.55	0.65	10	26	0.560	0.650	19/32	13/16	13/16	13/16	13/16	2 1/4
CG7590 250	3/4"	Red	0.15	0.25	10	48	0.150	0.250	13/16	1 7/16	1 11/32	2 7/16	1 21/32	2 17/32
CG7590 350	3/4"	White	0.25	0.35	10	48	0.250	0.350	13/16	1 7/16	1 11/32	2 7/16	1 21/32	2 17/32
CG7590 450	3/4"	Blue	0.35	0.45	10	48	0.350	0.450	13/16	1 7/16	1 11/32	2 7/16	1 21/32	2 17/32
CG7590 560	3/4"	Green	0.45	0.56	10	48	0.450	0.560	13/16	1 7/16	1 11/32	2 7/16	1 21/32	2 17/32
CG7590 650	3/4"	Brown	0.55	0.65	10	48	0.560	0.650	13/16	1 7/16	1 11/32	2 7/16	1 21/32	2 17/32
CG7590 750	3/4"	Yellow	0.65	0.75	10	48	0.650	0.750	13/16	1 7/16	1 11/32	2 7/16	1 21/32	2 17/16
CG7590 850	3/4"	Purple	0.75	0.85	10	48	0.750	0.850	13/16	1 7/16	1 11/32	2 7/16	1 21/32	2 7/16
CG10090 560	1"	Green	0.45	0.56	5	68	0.450	0.560	31/32	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	31/32	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	31/32	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	31/32	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	31/32	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	31/32	1 3/4	1 11/16	2 3/4	2 1/32	3