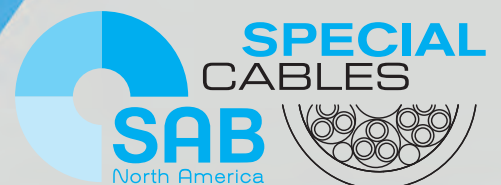


CABLE ACCESSORIES OVERVIEW

CABLE GLANDS FOR SECURING & SHIELDING YOUR CABLE



www.sabcable.com
866-722-2974 ■ info@sabcable.com



About Us



SAB North America is a focused supplier for the automation, aerospace, medical, high temperature, and robotics industries, providing cable and thermocouple solutions that meet, exceed, and set new standards in the flexible cable market. In addition to flexible cable products, we offer an extensive inventory of high-quality cable accessories, including cord grips, grounding glands and other accessories that complement our flexible control and automation cables.

Whatever the need may be, look to SAB North America for Special Cables that can, for example, help minimize maintenance costs and increase productivity, reduce downtime, and solve specific problems. Here is a small sample of some of the challenges that Special Cables from SAB North America can help address:

- Hybrid designs for multiple functions
- Harsh environments
- Difficult applications
- Industry-specific requirements



Equipment OEMs must have complete certainty that the cables they choose are suitable for their design. SAB North America provides a wide variety of safe, reliable flexible cables for use in industrial automation machinery and manufacturing. SAB has more than 75 years of experience manufacturing quality, rugged cables for challenging applications so that you can be sure that SAB cable is a safe and reliable addition to your equipment.

Whether you're a valued distribution partner, an automation house, an integrator, or a contractor, rest assured that our cables are reliable to maximize production efficiencies. SAB brings world class performance & 75 years of ingenuity to the table.

SAB's level of speed and service as a supplier is unmatched. SAB lives up to its name in not only flexible cable but also flexible manufacturing.



SAB Advantage...We make it Easy

- Engineering & technical assistance
- Cut to length with no cut charges
- Prepaid freight within US for orders over \$2,500
- Specialty cable designs (1500 ft minimum)
- No minimum on orders from stock
- Free drop shipments (no surcharges)
- 24-hour shipments from stock
- Cord Grips for securing and grounding cables

Production Possibilities

Flexible cables and wires “Made in Germany”

As a leading manufacturer we develop and produce cables for industrial purposes. Our wide range of materials offer a lot of possibilities for your individual product requirement. The following survey shows an extract of our production possibilities:

Conductor Materials:

- ✓ bare copper
- ✓ tinned copper
- ✓ silver plated copper
- ✓ nickel plated copper
- ✓ nickel
- ✓ nickel pure
- ✓ compensating cable alloys

Insulation and Jacketing Materials:

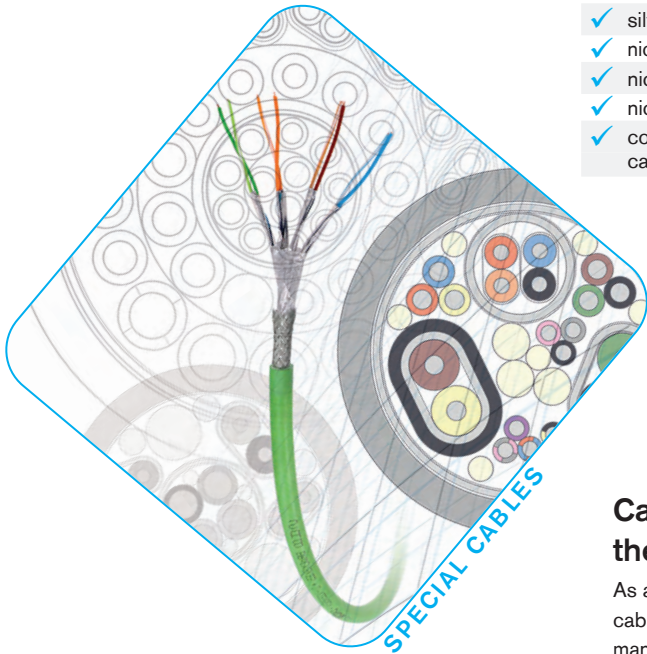
- ✓ PVC
- ✓ Polyethylene
- ✓ Polypropylene
- ✓ Polyurethane
- ✓ TPE
- ✓ SABIX® (zero halogen)
- ✓ Besilen® - Silicone
- ✓ FEP, ETFE, PFA, PTFE
- ✓ PI foil
- ✓ Fiberglass

Temperature Ranges:

- Thermoplastic Elastomers
- ✓ -50°C up to +145°C
- SABIX®
- ✓ -50°C up to +220°C
- Besilen® - Silicone
- ✓ -40°C up to +220°C
- FEP, ETFE, PFA
- ✓ -90°C up to +260°C
- Fiberglass
- ✓ up to +600°C

Conductors:

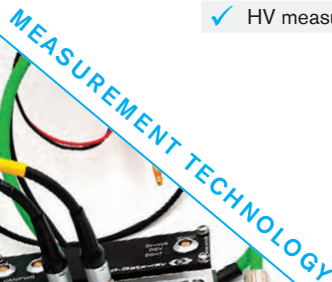
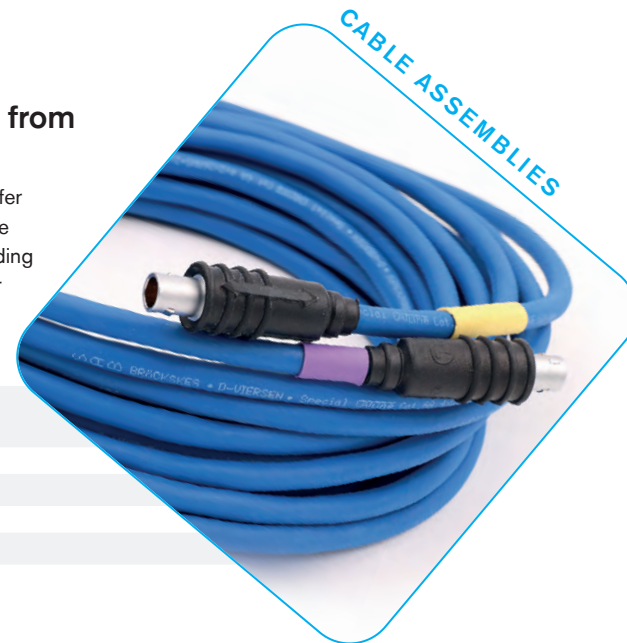
- ✓ cross sections 0.055 - 300 mm²
- ✓ unshielded and shielded over 100 conductors



Cable assemblies directly from the manufacturer SAB:

As a full service partner, we are able to offer cable design and production as well as the manufacturing of cable assemblies according to customer's request. Please trust on our experience for decades in the treatment of cables and connectors.

- ✓ cable assemblies according to customer's demands
- ✓ complete cable assemblies
- ✓ UL certified assemblies
- ✓ helix cables
- ✓ HV measuring assemblies






Measuring technology for industrial applications




Manufacturer of temperature sensors for industrial applications with 75 years of experience!

- ✓ mineral insulated thermocouples
- ✓ mineral insulated resistance thermometers
- ✓ temperature sensors
- ✓ mobile high voltage measuring technology
- ✓ temperature sensors for vehicle testing







Polyamide 6 Cord Grips

■ CG 100 Metric		Polyamide cord grip, dome cap with locknut, black or gray, metric thread	5
■ CG 100 PG		Polyamide cord grip, dome cap with locknut, black or gray, PG thread	6
■ CG 100 NPT		Polyamide cord grip, dome cap, black or gray, NPT thread	7
■ Plastic Locknuts		Polyamide hexagonal locknuts, black or gray, metric, PG, & NPT thread	8

Metal Cord Grips

■ CG 300 Metric		Nickel plated brass cord grip, standard & longer thread, metric thread	9
■ CG 300 PG		Nickel plated brass cord grip, standard & longer thread, PG thread	10
■ CG 300 NPT		Nickel plated brass cord grip, NPT thread	11
■ CG 350 Metric		Stainless steel cord grip, SS303 or SS316, metric thread	12
■ CG 350 PG		Stainless steel cord grip, SS303 or SS316, PG thread	12
■ CG 350 NPT		Stainless steel cord grip, SS303 or SS316, NPT thread	12

EMC Grounding Glands Cord Grips & VFD Termination Kits

■ EMC Overview		EMC-2 & EMC-4 grounding gland overview	13
■ CG EMC-2 Metric		Nickel plated brass EMC cable gland, standard & longer thread, metric thread	14
■ CG EMC-2 PG		Nickel plated brass EMC cable gland, standard & longer thread, PG thread	15
■ CG EMC-2 NPT		Nickel plated brass EMC cable gland, NPT thread	15
■ CG EMC-4 Metric		Nickel plated brass EMC cable gland, vibration proof, metric thread	16
■ CG EMC-4 PG		Nickel plated brass EMC cable gland, vibration proof, PG thread	16
■ CG EMC-4 NPT		Nickel plated brass EMC cable gland, vibration proof, NPT thread	16
■ EMC Locknuts		Nickel plated brass locknuts with grounding teeth, metric, PG, & NPT	17
■ VFD Termination Kit		Grounding kits for larger AWG cables	18

Additional Products

■ Multi-Hole Bushings		NBR multi-hole bushing for use with metric, PG or NPT cord grips	19
■ Explosion Proof Glands		21
■ Accessories		22
■ Ventilation Glands		23



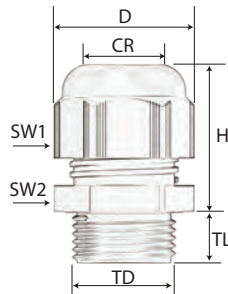
Polyamide 6 Cord Grips

CG 100 Metric

Dome cap cord grip, black or gray with locknut

Metric Thread

Liquid tight seal, fast and easy installation, wide clamping range, multi-purpose applications, easy handling.



Technical data:

Material:	Polyamide 6
Seal:	Chloroprene (CR)
Color:	RAL 7001 (gray) RAL 9005 (black)
Protection type:	IP 68 - 5 Bar NEMA 4X
Temperature range:	<i>permanent:</i> -20°C to +100°C <i>intermittent:</i> -30°C to +150°C
Flammability:	V2 (according to UL 94)
Approvals:	cURus, cULus, cCSAus, VDE, DNV-GL, CE



Part Number		Thread Type	Clamping Range Ø min-max		Outer Diameter (D) inches	Wrenching Flats		Thread Diameter		Thread Length (TL) inches	Max. Height (H) inches	UL
gray	black		(CR)			Cap (SW1) inches	Body (SW2) inches	(TD)	(TD)			
			inches	mm			inches	mm				
Metric												
PMG-12*	PMB-12*	M12x1.5	0.118 - 0.256	3.0 - 6.5	0.669	0.591	0.591	0.472	12	0.315	0.996	cURus
PMG-16C*	PMB-16C*	M16x1.5	0.157 - 0.315	4.0 - 8.0	0.854	0.748	0.748	0.630	16	0.394	1.079	-
PMG-16*	PMB-16*	M16x1.5	0.197 - 0.394	5.0 - 10.0	0.984	0.866	0.866	0.630	16	0.394	1.268	cURus
PMG-20*	PMB-20*	M20x1.5	0.236 - 0.472	6.0 - 12.0	1.063	0.945	0.945	0.787	20	0.394	1.276	cULus
PMG-20C*	PMB-20C*	M20x1.5	0.394 - 0.551	10.0 - 14.0	1.217	1.063	1.063	0.787	20	0.394	1.256	cULus
PMG-25C*	PMB-25C*	M25x1.5	0.433 - 0.669	11.0 - 17.0	1.280	1.142	1.142	0.984	25	0.315	1.484	cULus
PMG-25*	PMB-25*	M25x1.5	0.512 - 0.709	13.0 - 18.0	1.465	1.299	1.299	0.984	25	0.394	1.512	cULus
PMG-32C*	PMB-32C*	M32x1.5	0.591 - 0.827	15.0 - 21.0	1.614	1.417	1.417	1.260	32	0.394	1.665	cULus
PMG-32	PMB-32	M32x1.5	0.709 - 0.984	18.0 - 25.0	1.854	1.654	1.654	1.260	32	0.591	1.705	cULus
PMG-40C†	PMB-40C†	M40x1.5	0.748 - 1.102	19.0 - 28.0	2.063	1.811	1.811	1.575	40	0.394	1.866	cULus
PMG-40	PMB-40	M40x1.5	0.866 - 1.260	22.0 - 32.0	2.346	2.087	2.087	1.575	40	0.709	2.063	cULus
PMG-50	PMB-50	M50x1.5	1.181 - 1.496	30.0 - 38.0	2.669	2.362	2.362	1.969	50	0.709	2.157	cULus
PMG-63	PMB-63	M63x1.5	1.339 - 1.732	34.0 - 44.0	2.850	2.559	2.559	2.480	63	0.709	2.161	cULus
PMG-75	PMB-75	M75x2.0	1.890 - 2.165	48.0 - 55.0	3.504	2.953	3.150	2.953	75	0.984	2.165	cULus
Metric with Reducer Bushings												
PMG-12R	PMB-12R	M12x1.5	0.079 - 0.197	2.0 - 5.0	0.669	0.591	0.591	0.472	12	0.315	0.996	cURus
PMG-16RC*	PMB-16RC*	M16x1.5	0.079 - 0.236	2.0 - 6.0	0.854	0.748	0.748	0.630	16	0.394	1.079	-
PMG-16R*	PMB-16R*	M16x1.5	0.118 - 0.276	3.0 - 7.0	0.984	0.866	0.866	0.630	16	0.394	1.268	cURus
PMG-20R*	PMB-20R*	M20x1.5	0.197 - 0.354	5.0 - 9.0	1.063	0.945	0.945	0.787	20	0.394	1.276	cULus
PMG-20RC*	PMB-20RC*	M20x1.5	0.276 - 0.472	7.0 - 12.0	1.217	1.063	1.063	0.787	20	0.394	1.256	cULus
PMG-25RC*	PMB-25RC*	M25x1.5	0.354 - 0.512	9.0 - 13.0	1.280	1.142	1.142	0.984	25	0.315	1.484	cULus
PMG-25R*	PMB-25R*	M25x1.5	0.354 - 0.630	9.0 - 16.0	1.465	1.299	1.299	0.984	25	0.394	1.512	cULus
PMG-32RC*	PMB-32RC*	M32x1.5	0.433 - 0.591	11.0 - 15.0	1.614	1.417	1.417	1.260	32	0.394	1.665	cULus
PMG-32R	PMB-32R	M32x1.5	0.472 - 0.787	12.0 - 20.0	1.854	1.654	1.654	1.260	32	0.591	1.705	cULus
PMG-40RC*	PMB-40RC*	M40x1.5	0.630 - 0.906	16.0 - 23.0	2.063	1.811	1.811	1.575	40	0.394	1.866	cULus
PMG-40R	PMB-40R	M40x1.5	0.787 - 1.024	20.0 - 26.0	2.346	2.087	2.087	1.575	40	0.709	2.063	cULus
PMG-50R	PMB-50R	M50x1.5	0.984 - 1.220	25.0 - 31.0	2.669	2.362	2.362	1.969	50	0.709	2.157	cULus
PMG-63R	PMB-63R	M63x1.5	1.142 - 1.378	29.0 - 35.0	2.850	2.559	2.559	2.480	63	0.709	2.161	cULus

* Available with longer thread of 0.591". Add an "L" to end of the P/N.
† Available with longer thread of 0.709". Add an "L" to end of the P/N.

Polyamide 6 Cord Grips

CG 100 PG

Dome cap cord grip, black or gray with locknut

PG Thread

Liquid tight seal, fast and easy installation, wide clamping range, multi-purpose applications, easy handling.



Technical data:

Material:	Polyamide 6
Seal:	Chloroprene (CR)
Color:	RAL 7001 (gray) RAL 9005 (black)
Protection type:	IP 68 - 5 Bar NEMA 4X
Temperature range:	<i>permanent:</i> -20°C to +100°C <i>intermittent:</i> -30°C to +150°C
Flammability:	V2 (according to UL 94)
Approvals:	cURus, cULus, cCSAus, DNV-GL, CE



Part Number		Thread Type	Clamping Range Ø min-max (CR)		Outer Diameter (D) inches	Wrenching Flats		Thread Diameter		Thread Length (TL) inches	Max. Height (H) inches	UL
gray	black		inches	mm		Cap (SW1) inches	Body (SW2) inches	inches	mm			
PG												
PPG-7	PPB-7	PG 7	0.118 - 0.256	3.0 - 6.5	0.669	0.591	0.591	0.492	12.5	0.315	0.996	cURus
PPG-9	PPB-9	PG 9	0.157 - 0.315	4.0 - 8.0	0.854	0.748	0.748	0.598	15.2	0.315	1.079	cURus
PPG-11	PPB-11	PG 11	0.197 - 0.394	5.0 - 10.0	0.984	0.866	0.866	0.732	18.6	0.315	1.268	cURus
PPG-13	PPB-13	PG 13.5	0.236 - 0.472	6.0 - 12.0	1.063	0.945	0.945	0.803	20.4	0.394	1.276	cULus
PPG-16	PPB-16	PG 16	0.394 - 0.551	10.0 - 14.0	1.217	1.063	1.063	0.886	22.5	0.394	1.256	cULus
PPG-21	PPB-21	PG 21	0.512 - 0.709	13.0 - 18.0	1.465	1.299	1.299	1.114	28.3	0.433	1.512	cULus
PPG-29	PPB-29	PG 29	0.709 - 0.984	18.0 - 25.0	1.854	1.654	1.654	1.457	37.0	0.433	1.705	cULus
PPG-36	PPB-36	PG 36	0.866 - 1.260	22.0 - 32.0	2.346	2.087	2.087	1.850	47.0	0.512	2.063	cULus
PPG-42	PPB-42	PG 42	1.181 - 1.496	30.0 - 38.0	2.669	2.362	2.362	2.126	54.0	0.512	2.157	cULus
PPG-48	PPB-48	PG 48	1.339 - 1.732	34.0 - 44.0	2.850	2.559	2.559	2.335	59.3	0.551	2.161	cULus
PG with Reducer Bushings												
PPG-7R	PPB-7R	PG 7	0.079 - 0.197	2.0 - 5.0	0.669	0.591	0.591	0.492	12.5	0.315	0.996	cURus
PPG-9R	PPB-9R	PG 9	0.079 - 0.236	2.0 - 6.0	0.854	0.748	0.748	0.598	15.2	0.315	1.079	cURus
PPG-11R	PPB-11R	PG 11	0.118 - 0.276	3.0 - 7.0	0.984	0.866	0.866	0.732	18.6	0.315	1.268	cURus
PPG-13R	PPB-13R	PG 13.5	0.197 - 0.354	5.0 - 9.0	1.063	0.945	0.945	0.803	20.4	0.394	1.276	cULus
PPG-16R	PPB-16R	PG 16	0.276 - 0.472	7.0 - 12.0	1.217	1.063	1.063	0.886	22.5	0.394	1.256	cULus
PPG-21R	PPB-21R	PG 21	0.354 - 0.630	9.0 - 16.0	1.465	1.299	1.299	1.114	28.3	0.433	1.512	cULus
PPG-29R	PPB-29R	PG 29	0.472 - 0.787	12.0 - 20.0	1.854	1.654	1.654	1.457	37.0	0.433	1.705	cULus
PPG-36R	PPB-36R	PG 36	0.787 - 1.024	20.0 - 26.0	2.346	2.087	2.087	1.850	47.0	0.512	2.063	cULus
PPG-42R	PPB-42R	PG 42	0.984 - 1.220	25.0 - 31.0	2.669	2.362	2.362	2.126	54.0	0.512	2.157	cULus
PPG-48R	PPB-48R	PG 48	1.142 - 1.378	29.0 - 35.0	2.850	2.559	2.559	2.335	59.3	0.551	2.161	cULus

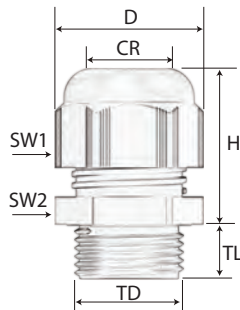
Polyamide 6 Cord Grips

CG 100 NPT

Dome cap cord grip, black or gray

NPT Thread

Liquid tight seal, fast and easy installation, wide clamping range, multi-purpose applications, easy handling.



Technical data:

Material:	Polyamide 6
Seal:	Chloroprene (CR)
Color:	RAL 7001 (gray) RAL 9005 (black)
Protection type:	IP 68 - 5 Bar NEMA 4X
Temperature range:	permanent: -20°C to +100°C intermittent: -30°C to +150°C
Flammability:	V2 (according to UL 94)
Approvals:	cURus, cULus, cCSAus, DNV-GL, CE



Part Number	Thread Type	Clamping Range Ø min-max		Outer Diameter (D) inches	Wrenching Flats		Thread Diameter		Thread Length (TL) inches	Max. Height (H) inches	UL	
		(CR) inches	(CR) mm		Cap (SW1) inches	Body (SW2) inches	(TD) inches	(TD) mm				
NPT												
PNG-3/8	PNB-3/8	NPT 3/8	0.197 - 0.394	5.0 - 10.0	0.984	0.866	0.866	0.675	17.2	0.591	1.268	cURus
PNG-1/2	PNB-1/2	NPT 1/2	0.236 - 0.472	6.0 - 12.0	1.063	0.945	0.945	0.840	21.3	0.591	1.276	cULus
PNG-1/2C	PNB-1/2C	NPT 1/2	0.394 - 0.551	10.0 - 14.0	1.217	1.063	1.063	0.840	21.3	0.591	1.256	cULus
PNG-3/4	PNB-3/4	NPT 3/4	0.512 - 0.709	13.0 - 18.0	1.465	1.299	1.299	1.050	26.7	0.591	1.512	cULus
PNG-1	PNB-1	NPT 1	0.709 - 0.984	18.0 - 25.0	1.854	1.654	1.654	1.315	33.4	0.709	1.705	cULus
NPT with Reducer Bushings												
PNG-3/8R	PNB-3/8R	NPT 3/8	0.118 - 0.276	3.0 - 7.0	0.984	0.866	0.866	0.675	17.2	0.591	1.268	cURus
PNG-1/2R	PNB-1/2R	NPT 1/2	0.197 - 0.354	5.0 - 9.0	1.063	0.945	0.945	0.840	21.3	0.591	1.276	cULus
PNG-1/2RC	PNB-1/2RC	NPT 1/2	0.276 - 0.472	7.0 - 12.0	1.217	1.063	1.063	0.840	21.3	0.591	1.256	cULus
PNG-3/4R	PNB-3/4R	NPT 3/4	0.354 - 0.630	9.0 - 16.0	1.465	1.299	1.299	1.050	26.7	0.591	1.512	cULus
PNG-1R	PNB-1R	NPT 1	0.472 - 0.787	12.0 - 20.0	1.854	1.654	1.654	1.315	33.4	0.709	1.705	cULus

Locknuts need to be purchased separately, see page 8

CG 150 Snap-In Glands

Dome cap cord grip, black or gray without threads

Liquid tight seal, fast and easy installation, wide clamping range, multi-purpose applications, easy handling.



Technical Data:

- **Material:** Polyamide 6
- **Seal & Gasket:** Chloroprene (CR)
- **Protection type:** IP 68 - 5 bar
- **Temperature range:**
permanent: -20°C to +100°C
intermittent: -30°C to +150°C
- **Flammability:**
V2 (according to UL 94)



CG 200 Metric

Flex cap cord grip, black or gray - Metric, PG, or NPT threads

Strain relief gland offers maximum protection against conductor fatigue caused by flexing cables.



Technical Data:

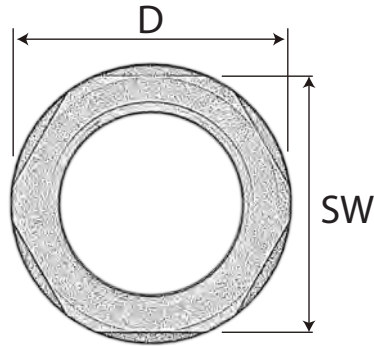
- **Material:** Polyamide 6
- **Seal:** Chloroprene (CR)
- **Protection type:** IP 68 - 5 bar
- **Temperature range:**
permanent: -20°C to +100°C
intermittent: -30°C to +150°C
- **Flammability:**
V2 (according to UL 94)



Polyamide Locknuts

Hexagonal locknut, black or gray

Hexagonal locknuts made of polyamide, glass fiber reinforced.



Technical data:

Material:	Polyamide 6 (30% Glass Fiber reinforced)
Color:	RAL 7001 (gray) RAL 9005 (black)
Temperature range:	
<i>permanent:</i>	-20°C to +100°C
<i>intermittent:</i>	-30°C to +150°C
Flammability:	UL 94 HB

Part Number		Thread Type	Height (H)		Diameter (D)		Wrenching Flats (SW)	
gray	black		inches	mm	inches	mm	inches	mm
LMG-12	LMB-12	M12x1.5	0.197	5	0.768	19.5	0.709	18
LMG-16	LMB-16	M16x1.5	0.197	5	0.953	24.2	0.866	22
LMG-20	LMB-20	M20x1.5	0.236	6	1.126	28.6	1.024	26
LMG-25	LMB-25	M25x1.5	0.236	6	1.378	35.0	1.260	32
LMG-32	LMB-32	M32x1.5	0.276	7	1.815	46.1	1.614	41
LMG-40	LMB-40	M40x1.5	0.276	7	2.177	55.3	1.969	50
LMG-50	LMB-50	M50x1.5	0.315	8	2.587	65.7	2.362	60
LMG-63	LMB-63	M63x1.5	0.315	8	3.248	82.5	2.953	75
LMG-75	LMB-75	M75x2.0	0.591	15	3.701	94.0	3.346	85
PG								
LPG-7	LPB-7	PG 7	0.197	5	0.823	20.9	0.748	19
LPG-9	LPB-9	PG 9	0.197	5	0.941	23.9	0.866	22
LPG-11	LPB-11	PG 11	0.197	5	1.020	25.9	0.945	24
LPG-13	LPB-13	PG 13.5	0.236	6	1.138	28.9	1.063	27
LPG-16	LPB-16	PG 16	0.236	6	1.295	32.9	1.181	30
LPG-21	LPB-21	PG 21	0.276	7	1.528	38.8	1.417	36
LPG-29	LPB-29	PG 29	0.276	7	1.961	49.8	1.811	46
LPG-36	LPB-36	PG 36	0.315	8	2.587	65.7	2.362	60
LPG-42	LPB-42	PG 42	0.315	8	2.862	72.7	2.559	65
LPG-48	LPB-48	PG 48	0.315	8	3.059	77.7	2.756	70
NPT								
LNG-3/8	LNB-3/8	NPT 3/8	0.276	7	0.984	25	0.866	22
LNG-1/2	LNB-1/2	NPT 1/2	0.276	7	1.201	30.5	1.063	27
LNG-3/4	LNB-3/4	NPT 3/4	0.276	7	1.476	37.5	1.299	33
LNG-1	LNB-1	NPT 1	0.276	7	1.819	46.2	1.614	41

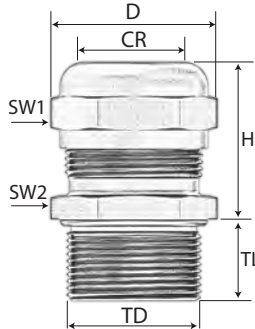
Metal Cable Glands

CG 300 Metric

Nickel plated brass cord grip with standard or longer thread

Metric Thread

Impact resistant, suitable for industrial applications, water tight, corrosion resistant.



Technical data:

Material:	Brass, Nickel Plated
Clamping Insert:	Polyamide 6
Seal:	Chloroprene (CR)
O-Ring:	Neoprene (NBR)
Protection type:	IP 68 - 5 Bar NEMA 4X
Temperature range:	
permanent:	-20°C to +100°C
intermittent:	-40°C to +150°C
Flammability:	V2 (according to UL 94)
Approvals:	cURus, cULus, DNV-GL, CE



Part Number	Part Number with long threads	Thread Type	Clamping Range Ø min-max		Outer Diameter (D) inches	Wrenching Flats		Thread Diameter (TD) inches	Thread Length (TL) inches	Long Thread Length (TL) inches	Max. Height (H) inches	UL
			(CR) inches	mm		(SW1) inches	(SW2) inches					
Metric												
MMS-12R ¹	MMS-12RL	M12x1.5	0.079 - 0.197	2.0 - 5.0	0.610	0.551	0.551	0.472	0.236	0.472	0.945	-
MMS-12 ¹	MMS-12L	M12x1.5	0.118 - 0.256	3.0 - 6.5	0.610	0.551	0.551	0.472	0.236	0.472	0.945	cURus
MMS-16R	MMS-16RL	M16x1.5	0.079 - 0.236	2.0 - 6.0	0.787	0.669	0.709	0.630	0.276	0.472	1.004	-
MMS-16	MMS-16L	M16x1.5	0.157 - 0.315	4.0 - 8.0	0.787	0.669	0.709	0.630	0.276	0.472	1.004	cURus
MMS-16RC	MMS-16RCL	M16x1.5	0.118 - 0.276	3.0 - 7.0	0.866	0.787	0.787	0.630	0.276	0.472	1.201	-
MMS-16C	MMS-16CL	M16x1.5	0.197 - 0.394	5.0 - 10.0	0.866	0.787	0.787	0.630	0.256	0.472	1.240	cURus
MMS-20R	MMS-20RL	M20x1.5	0.197 - 0.354	5.0 - 9.0	0.965	0.866	0.866	0.787	0.315	0.472	1.102	-
MMS-20	MMS-20L	M20x1.5	0.236 - 0.472	6.0 - 12.0	0.965	0.866	0.866	0.787	0.315	0.472	1.043	cULus
MMS-20C	MMS-20CL	M20x1.5	0.394 - 0.551	10.0 - 14.0	1.043	0.945	0.945	0.787	0.315	0.472	1.181	cULus
MMS-25R	MMS-25RL	M25x1.5	0.276 - 0.472	7.0 - 12.0	1.181	0.945	1.063	0.984	0.315	0.472	1.181	-
MMS-25*	MMS-25L	M25x1.5	0.394 - 0.551	10.0 - 14.0	1.181	0.945	1.063	0.984	0.315	0.472	1.181	cULus
MMS-25RC	MMS-25RCL	M25x1.5	0.433 - 0.669	11.0 - 17.0	1.181	1.063	1.063	0.984	0.315	0.472	1.280	cULus
MMS-25C	MMS-25CL	M25x1.5	0.512 - 0.709	13.0 - 18.0	1.299	1.181	1.181	0.984	0.315	0.472	1.378	cULus
MMS-32R	MMS-32RL	M32x1.5	0.354 - 0.630	9.0 - 16.0	1.476	1.181	1.339	1.260	0.354	0.591	1.378	-
MMS-32*	MMS-32L	M32x1.5	0.512 - 0.709	13.0 - 18.0	1.476	1.181	1.339	1.260	0.354	0.591	1.378	cULus
MMS-32RC	MMS-32RCL	M32x1.5	0.591 - 0.827	15.0 - 21.0	1.476	1.339	1.339	1.260	0.315	0.591	1.496	cULus
MMS-32C	MMS-32CL	M32x1.5	0.709 - 0.984	18.0 - 25.0	1.752	1.575	1.575	1.260	0.354	0.591	1.811	cULus
MMS-40R	MMS-40RL	M40x1.5	0.472 - 0.787	12.0 - 20.0	1.909	1.575	1.693	1.575	0.354	0.591	1.594	-
MMS-40*	MMS-40L	M40x1.5	0.709 - 0.984	18.0 - 25.0	1.909	1.575	1.693	1.575	0.354	0.591	1.594	cULus
MMS-40RC	MMS-40RCL	M40x1.5	0.748 - 1.102	19.0 - 28.0	1.909	1.693	1.693	1.575	0.354	0.591	1.791	cULus
MMS-40C	MMS-40CL	M40x1.5	0.866 - 1.260	22.0 - 32.0	2.185	1.969	1.969	1.575	0.354	0.591	2.146	cULus
MMS-50R	MMS-50RL	M50x1.5	0.787 - 1.024	20.0 - 26.0	2.402	1.969	2.165	1.969	0.354	0.591	1.969	-
MMS-50	MMS-50L	M50x1.5	0.866 - 1.260	22.0 - 32.0	2.402	1.969	2.165	1.969	0.354	0.591	1.969	cULus
MMS-50RC	MMS-50RCL	M50x1.5	1.063 - 1.496	27.0 - 38.0	2.520	2.283	2.283	1.969	0.354	0.591	2.126	cULus
MMS-50C	MMS-50CL	M50x1.5	1.339 - 1.732	34.0 - 44.0	2.756	2.520	2.520	1.969	0.354	0.591	2.165	cULus
MMS-63R	MMS-63RL	M63x1.5	1.142 - 1.378	29.0 - 35.0	2.953	2.520	2.677	2.480	0.551	0.709	2.165	-
MMS-63	MMS-63L	M63x1.5	1.339 - 1.732	34.0 - 44.0	2.953	2.520	2.677	2.480	0.551	0.709	2.165	cULus
MMS-63C	MMS-63CL	M63x1.5	1.457 - 2.087	37.0 - 53.0	3.268	2.953	2.953	2.480	63	0.709	2.087	cULus

* Other clamping ranges available

¹ Not NEMA 4X rated

Larger thread sizes (M72 to M120) available upon request

Locknuts need to be purchased separately, see page 17

Metal Cable Glands

CG 300 PG

Nickel plated brass cord grip with standard or longer thread

PG Thread

Impact resistant, suitable for industrial applications, water tight, corrosion resistant.



Technical data:

Material:	Brass, Nickel Plated
Clamping Insert:	Polyamide 6
Seal:	Chloroprene (CR)
O-Ring:	Neoprene (NBR)
Protection type:	IP 68 - 5 Bar NEMA 4X
Temperature range:	
<i>permanent:</i>	-20°C to +100°C
<i>intermittent:</i>	-40°C to +150°C
Flammability:	V2 (according to UL 94)
Approvals:	cURus, cULus, DNV-GL, CE



Part Number	Part Number with long threads	Thread Type	Clamping Range Ø min-max		Outer Diameter (D) inches	Wrenching Flats		Thread Diameter (TD) inches	Thread Length (TL) inches	Long Thread Length (TL) inches	Max. Height (H) inches	UL
			(CR)			Cap	Body					
			inches	mm		(SW1) inches	(SW2) inches					
PG												
MPS-7	MPS-7L	PG 7	0.079 - 0.197	2.0 - 5.0	0.610	0.551	0.551	0.492	0.236	0.394	0.945	-
MPS-9R*	MPS-9RL	PG 9	0.118 - 0.256	3.0 - 6.5	0.610	0.551	0.551	0.492	0.236	0.394	0.945	-
MPS-9	MPS-9L	PG 9	0.079 - 0.236	2.0 - 6.0	0.744	0.669	0.669	0.598	0.236	0.394	1.004	cULus
MPS-11R*	MPS-11RL	PG 11	0.157 - 0.315	4.0 - 8.0	0.744	0.669	0.669	0.598	0.236	0.394	1.004	-
MPS-11	MPS-11L	PG 11	0.118 - 0.276	3.0 - 7.0	0.866	0.787	0.787	0.732	0.236	0.394	1.102	cULus
MPS-13R*	MPS-13RL	PG 13.5	0.197 - 0.394	5.0 - 10.0	0.866	0.787	0.787	0.732	0.236	0.394	1.102	-
MPS-13	MPS-13L	PG 13.5	0.197 - 0.354	5.0 - 9.0	0.965	0.866	0.866	0.803	0.256	0.394	1.043	cULus
MPS-16R*	MPS-16RL	PG 16	0.236 - 0.472	6.0 - 12.0	0.965	0.866	0.866	0.803	0.256	0.394	1.043	-
MPS-16	MPS-16L	PG 16	0.276 - 0.472	7.0 - 12.0	1.043	0.945	0.945	0.886	0.256	0.394	1.181	cULus
MPS-21R*	MPS-21RL	PG 21	0.394 - 0.551	10.0 - 14.0	1.043	0.945	0.945	0.886	0.256	0.394	1.181	-
MPS-21	MPS-21L	PG 21	0.354 - 0.630	9.0 - 16.0	1.299	1.181	1.181	1.114	0.283	0.472	1.378	cULus
MPS-29R*	MPS-29RL	PG 29	0.512 - 0.709	13.0 - 18.0	1.299	1.181	1.181	1.114	0.283	0.472	1.378	-
MPS-29	MPS-29L	PG 29	0.472 - 0.787	12.0 - 20.0	1.752	1.575	1.575	1.457	0.315	0.472	1.594	cULus
MPS-36R*	MPS-36RL	PG 36	0.709 - 0.984	18.0 - 25.0	1.752	1.575	1.575	1.457	0.315	0.472	1.594	-
MPS-36	MPS-36L	PG 36	0.787 - 1.024	20.0 - 26.0	2.185	1.969	1.969	1.850	0.354	0.551	1.969	cULus
MPS-42R*	MPS-42RL	PG 42	0.866 - 1.260	22.0 - 32.0	2.185	1.969	1.969	1.850	0.354	0.551	1.969	-
MPS-42	MPS-42L	PG 42	0.984 - 1.220	25.0 - 31.0	2.520	2.283	2.283	2.126	0.472	0.630	2.008	cULus
MPS-48R*	MPS-48RL	PG 48	1.181 - 1.496	30.0 - 38.0	2.520	2.283	2.283	2.126	0.472	0.630	2.008	-
MPS-48	MPS-48L	PG 48	1.142 - 1.378	29.0 - 35.0	2.756	2.520	2.520	2.335	0.551	0.709	2.146	cULus

* R versions are not NEMA 4X rated

Locknuts need to be purchased separately, see page 17

Metal Cable Glands

CG 300 NPT

Nickel plated brass cord grip

NPT Thread

Impact resistant, suitable for industrial applications, water tight, corrosion resistant.



Technical data:	
Material:	Brass, Nickel Plated
Clamping Insert:	Polyamide 6
Seal:	Chloroprene (CR)
O-Ring:	Neoprene (NBR)
Protection type:	IP 68 - 5 Bar NEMA 4X
Temperature range:	permanent: -20°C to +100°C intermittent: -40°C to +150°C
Flammability:	V2 (according to UL 94)
Approvals:	cURus, cULus, DNV-GL, CE



Part Number	Thread Type	Clamping Range Ø min-max		Outer Diameter (D) inches	Wrenching Flats		Thread Diameter (TD) inches	Thread Length (TL) inches	Max. Height (H) inches	UL
		inches	mm		Cap (SW1) inches	Body (SW2) inches				
NPT										
MNS-3/8R	NPT 3/8	0.079 - 0.236	2.0 - 6.0	0.827	0.669	0.748	0.675	0.453	1.004	-
MNS-3/8RC	NPT 3/8	0.118 - 0.276	3.0 - 7.0	0.866	0.787	0.787	0.675	0.453	1.240	-
MNS-3/8*	NPT 3/8	0.157 - 0.315	4.0 - 8.0	0.827	0.669	0.748	0.675	0.453	1.004	cURus
MNS-3/8C*	NPT 3/8	0.197 - 0.394	5.0 - 10.0	0.866	0.787	0.787	0.675	0.453	1.240	cURus
MNS-1/2R	NPT 1/2	0.197 - 0.354	5.0 - 9.0	0.965	0.866	0.866	0.840	0.512	1.083	-
MNS-1/2*	NPT 1/2	0.236 - 0.472	6.0 - 12.0	0.965	0.866	0.866	0.840	0.512	1.083	cULus
MNS-1/2RC	NPT 1/2	0.276 - 0.472	7.0 - 12.0	1.055	0.945	0.945	0.840	0.512	1.181	-
MNS-1/2C*	NPT 1/2	0.394 - 0.551	10.0 - 14.0	1.055	0.945	0.945	0.840	0.512	1.181	cULus
MNS-3/4R	NPT 3/4	0.354 - 0.630	9.0 - 16.0	1.299	1.181	1.181	1.050	0.512	1.496	-
MNS-3/4*	NPT 3/4	0.512 - 0.709	13.0 - 18.0	1.299	1.181	1.181	1.050	0.512	1.496	cULus
MNS-1R	NPT 1	0.472 - 0.787	12.0 - 20.0	1.909	1.575	1.693	1.315	0.512	1.791	-
MNS-1*	NPT 1	0.709 - 0.984	18.0 - 25.0	1.909	1.575	1.693	1.315	0.512	1.791	cULus
MNS-1 1/4	NPT 1 1/4	0.866 - 1.260	22.0 - 32.0	2.185	1.969	1.969	1.660	1.008	1.969	cULus
MNS-1 1/2	NPT 1 1/2	1.181 - 1.496	30.0 - 38.0	2.520	2.283	2.283	1.902	1.024	2.008	cULus
MNS-2	NPT-2	1.339 - 1.732	34.0 - 44.0	2.756	2.520	2.520	2.375	1.063	2.165	-

* NEMA 4X rated

Locknuts need to be purchased separately, see page 17

CG 325 Metric & PG Metal Flex Glands

Metal gland with spiral top for bending support - Metric or PG threads

Strain relief gland offers maximum protection against conductor fatigue caused by flexing



Technical Data:

- **Material:** Nickel Plated Brass
- **Clamping Insert:** Polyamide 6
- **Seal:** Chloroprene (CR)
- **Bending Spiral:** Stainless steel (AISI 301)
- **O-Ring:** Neoprene (NBR)
- **Protection type:** IP 68 - 5 bar
- **Temperature range:**
permanent: -20°C to +100°C
intermittent: -40°C to +150°C
- **Flammability:**
V2 (according to UL 94)

EMC Grounding Cable Glands

CG 350 Metric / PG / NPT

Stainless steel cord grip, SS303 or SS316

Metric, PG, & NPT Thread

Impact resistant, suitable for industrial and food and beverage applications, water tight, corrosion resistant.



Technical data:

Material:	Stainless steel (AISI 303) or AISI (316L)
Clamping Insert:	Polyamide 6
Seal:	Chloroprene (CR)
O-Ring:	Neoprene (NBR)
Protection type:	IP 68 - 5 Bar NEMA 4X
Temperature range:	<i>permanent:</i> -20°C to +100°C <i>intermittent:</i> -40°C to +150°C
Flammability:	V2 (according to UL 94)
Approvals:	cURus, cULus, VDE, DNV-GL, CE



Part Number	Thread Type	Clamping Range Ø min-max		Outer Diameter (D) inches	Wrenching Flats		Thread Diameter (TD) inches	Thread Length (TL) inches	Long Thread Length (TL) inches	Max. Height (H) inches	UL	
		(CR) inches	mm		Cap (SW1) inches	Body (SW2) inches						
Metric												
SM3-12	SM6-12	M12x1.5	0.118 - 0.256	3.0 - 6.5	0.610	0.551	0.551	0.472	0.236	0.472	0.945	cURus
SM3-16	SM6-16	M16x1.5	0.157 - 0.315	4.0 - 8.0	0.827	0.669	0.748	0.630	0.276	0.472	1.004	cURus
SM3-20	SM6-20	M20x1.5	0.236 - 0.472	6.0 - 12.0	0.965	0.866	0.866	0.787	0.315	0.472	1.043	cULus
SM3-25	SM6-25	M25x1.5	0.394 - 0.551	10.0 - 14.0	1.181	0.945	1.063	0.984	0.315	0.472	1.181	cULus
SM3-32	SM6-32	M32x1.5	0.512 - 0.709	13.0 - 18.0	1.567	1.181	1.417	1.260	0.354	0.591	1.378	cULus
SM3-40	SM6-40	M40x1.5	0.709 - 0.984	18.0 - 25.0	2.024	1.614	1.811	1.575	0.354	0.591	1.594	cULus
SM3-50	SM6-50	M50x1.5	0.866 - 1.260	22.0 - 32.0	2.402	1.969	2.165	1.969	0.354	0.591	1.969	cULus
SM3-63	SM6-63	M63x1.5	1.339 - 1.732	34.0 - 44.0	3.031	2.559	2.756	2.480	0.551	0.709	2.165	cULus
PG¹												
SP3-7	SP6-7	PG 7	0.118 - 0.256	3.0 - 6.5	0.610	0.551	0.551	0.492	0.236	-	0.945	cURus
SP3-9	SP6-9	PG 9	0.157 - 0.315	4.0 - 8.0	0.827	0.669	0.748	0.598	0.236	-	1.004	cURus
SP3-11	SP6-11	PG 11	0.197 - 0.394	5.0 - 10.0	0.945	0.866	0.866	0.732	0.236	-	1.083	cURus
SP3-13	SP6-13	PG 13.5	0.236 - 0.472	6.0 - 12.0	0.945	0.866	0.866	0.803	0.256	-	1.024	cULus
SP3-16	SP6-16	PG 16	0.394 - 0.551	10.0 - 14.0	1.043	0.945	0.945	0.886	0.256	-	1.181	cULus
SP3-21	SP6-21	PG 21	0.512 - 0.709	13.0 - 18.0	1.299	1.181	1.181	1.114	0.283	-	1.378	cULus
SP3-29	SP6-29	PG 29	0.709 - 0.984	18.0 - 25.0	1.791	1.614	1.614	1.457	0.315	-	1.594	cULus
SP3-36	SP6-36	PG 36	0.866 - 1.260	22.0 - 32.0	2.185	1.969	1.969	1.850	0.354	-	1.969	cULus
SP3-42	SP6-42	PG 42	1.181 - 1.496	30.0 - 38.0	2.618	2.362	2.362	2.126	0.472	-	2.008	cULus
SP3-48	SP6-48	PG 48	1.339 - 1.732	34.0 - 44.0	2.835	2.559	2.559	2.335	0.551	-	2.146	-
NPT¹												
SN3-3/8	SN6-3/8	NPT 3/8	0.157 - 0.315	4.0 - 8.0	0.827	0.669	0.748	0.675	0.453	-	1.004	cURus
SN3-3/8C	SN6-3/8C	NPT 3/8	0.197 - 0.394	5.0 - 10.0	0.945	0.866	0.787	0.675	0.453	-	1.240	cURus
SN3-1/2	SN6-1/2	NPT 1/2	0.236 - 0.472	6.0 - 12.0	1.181	0.866	1.063	0.840	0.512	-	1.220	cULus
SN3-1/2C	SN6-1/2C	NPT 1/2	0.394 - 0.551	10.0 - 14.0	1.043	0.945	0.945	0.840	0.512	-	1.181	cULus
SN3-3/4	SN6-3/4	NPT 3/4	0.512 - 0.709	13.0 - 18.0	1.299	1.181	1.181	1.050	0.512	-	1.496	cULus
SN3-1	SN6-1	NPT 1	0.709 - 0.984	18.0 - 25.0	1.791	1.614	1.614	1.315	0.512	-	1.791	cULus
SN3-1 1/2	SN6-1 1/2	NPT 1 1/2	1.181 - 1.496	30.0 - 38.0	2.618	2.362	2.362	1.900	1.024	-	1.969	-
SN3-2	SN6-2	NPT 2	1.339 - 1.732	34.0 - 44.0	2.835	2.559	2.559	2.375	1.063	-	2.165	-

¹ PG & NPT is not VDE approved
Stainless steel locknut available upon request
More clamping ranges available

EMC Grounding Cable Glands

CG EMC-2 & CG EMC-4

Overview

The EMC cable glands combine several advantages into one product. With the EMC gland, you get the same clamping range as a normal brass gland with a protection class of IP 68 and the added feature of EMC grounding springs to quickly ground a shielded cable to a metal enclosure or motor. To create the ground path, remove 5-10 mm of the jacket to expose the braid and position the gland on the cable. The large surface of the fingers come in contact with the braid to provide a completed grounding connection. Furthermore, the EMC design will give you a low impedance electrical contact between the body and the cable braid without having to open the gland. The shielding for electromagnetic purposes will be perfect by just tightening the gland delivered in a ready to use assembly.

CG EMC-2



CG EMC-4



- Optimal grounding of shielded cable
- One direction installation
- Impact resistant
- Suitable for the highest demands of today's technology
- Easy installation
- Easy handling
- High corrosion resistance
- Water tight
- Strain relief

- Optimal grounding of shielded cable
- Bi-directional installation
- Impact resistant
- Free radial and axial movement of the cable without any damage to the braid
- Easy installation
- Large contact surface of the fingers allowing low contact resistance
- High contact performance under vibrating conditions
- Water tight
- Strain relief

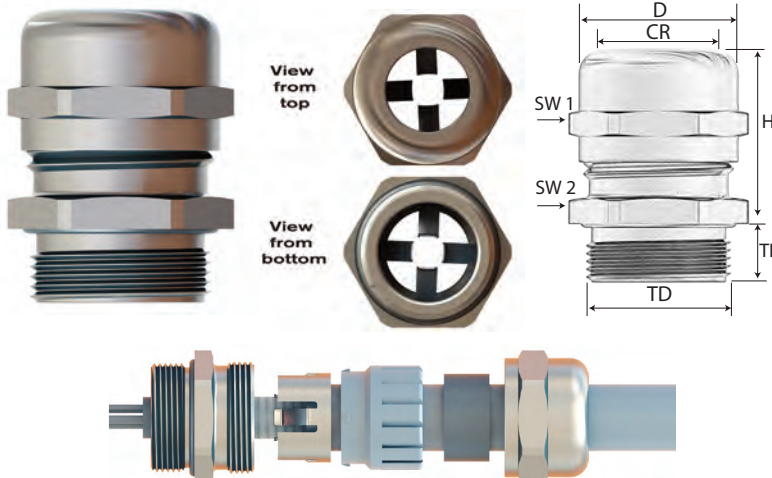
EMC Grounding Cable Glands

CG EMC-2 Metric

Nickel plated brass EMC cable gland, standard & longer thread

Metric Thread

Optimal grounding of shielded cable, easy installation, water tight, impact resistant.



Technical data:

Material:	Brass, Nickel Plated
Contact spring:	Special Copper Alloy
Clamping Insert:	Polyamide 6
Seal:	Chloroprene (CR)
O-Ring:	Neoprene (NBR)
Protection type:	IP 68 - 5 Bar NEMA 4X
Temperature range:	
<i>permanent:</i>	-20°C to +100°C
<i>intermittent:</i>	-40°C to +150°C
Flammability:	V2 (according to UL 94)
Approvals:	cURus, cULus, VDE, DNV-GL, CE



Part Number	Thread Type	Clamping Range Ø min-max (CR)		Outer Ø (D)	Shield Diameter (Ø min)		Wrenching Flats		Thread Diameter (TD)	Thread Length (TL)	Max. Height (H)	UL
		inches	mm		inches	mm	Cap (SW1)	Body (SW2)				
Metric												
EM2-12	M12x1.5	0.118 - 0.256	3.0 - 6.5	0.610	0.098	2.5	0.551	0.551	0.472	0.236	0.945	cURus
EM2-16	M16x1.5	0.157 - 0.315	4.0 - 8.0	0.787	0.138	3.5	0.669	0.709	0.630	0.276	1.004	cURus
EM2-16C	M16x1.5	0.197 - 0.394	5.0 - 10.0	0.866	0.157	4.0	0.787	0.787	0.630	0.256	1.240	cURus
EM2-20	M20x1.5	0.236 - 0.472	6.0 - 12.0	0.965	0.197	5.0	0.866	0.866	0.787	0.315	1.043	cURus
EM2-25	M25x1.5	0.394 - 0.551	10.0 - 14.0	1.181	0.335	8.5	0.945	1.063	0.984	0.315	1.181	cULus
EM2-25C	M25x1.5	0.512 - 0.709	13.0 - 18.0	1.299	0.433	11	1.181	1.181	0.984	0.315	1.575	cULus
EM2-32	M32x1.5	0.512 - 0.709	13.0 - 18.0	1.476	0.433	11	1.181	1.339	1.260	0.354	1.378	cULus
EM2-32C	M32x1.5	0.709 - 0.984	18.0 - 25.0	1.752	0.630	16	1.575	1.575	1.260	0.354	1.811	cULus
EM2-40	M40x1.5	0.709 - 0.984	18.0 - 25.0	1.909	0.630	16	1.575	1.693	1.575	0.354	1.594	cULus
EM2-40C	M40x1.5	0.866 - 1.260	22.0 - 32.0	2.185	0.787	20	1.969	1.969	1.575	0.354	2.146	cULus
EM2-50	M50x1.5	0.866 - 1.260	22.0 - 32.0	2.402	0.787	20	1.969	2.165	1.969	0.354	1.969	cULus
EM2-50C	M50x1.5	1.063 - 1.732	27.0 - 44.0	2.165	1.024	26	1.969	2.165	1.969	0.354	1.969	-
EM2-63	M63x1.5	1.339 - 1.732	34.0 - 44.0	2.953	1.220	31	2.520	2.677	2.480	0.551	2.165	cULus
Metric with Long Thread *												
EM2-12L	M12x1.5	0.118 - 0.256	3.0 - 6.5	0.610	0.098	2.5	0.551	0.551	0.472	0.472	0.945	-
EM2-16L	M16x1.5	0.157 - 0.315	4.0 - 8.0	0.787	0.138	3.5	0.669	0.709	0.630	0.472	1.004	-
EM2-20L	M20x1.5	0.236 - 0.472	6.0 - 12.0	0.965	0.197	5.0	0.866	0.866	0.787	0.472	1.043	-
EM2-25L	M25x1.5	0.394 - 0.551	10.0 - 14.0	1.181	0.335	8.5	0.945	1.063	0.984	0.472	1.181	-
EM2-32L	M32x1.5	0.512 - 0.709	13.0 - 18.0	1.476	0.433	11	1.181	1.339	1.260	0.591	1.378	-
EM2-40L	M40x1.5	0.709 - 0.984	18.0 - 25.0	1.909	0.630	16	1.575	1.693	1.575	0.591	1.594	-
EM2-50L	M50x1.5	0.866 - 1.260	22.0 - 32.0	2.402	0.787	20	1.969	2.165	1.969	0.591	1.969	-
EM2-63L	M63x1.5	1.339 - 1.732	34.0 - 44.0	2.953	1.220	31	2.520	2.677	2.480	0.709	2.165	-

* Long thread version is not NEMA 4X rated

Locknuts need to be purchased separately, see page 17

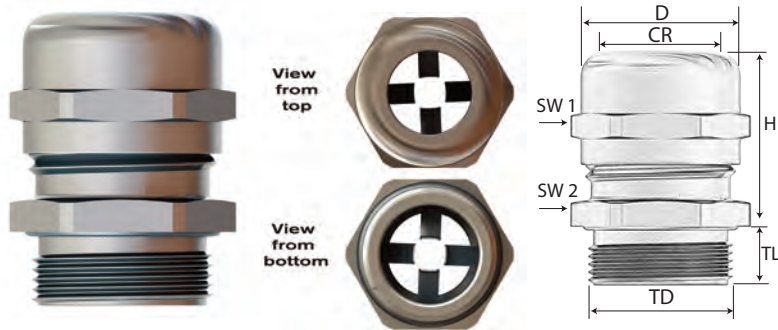
EMC Grounding Cable Glands

CG EMC-2 PG / CG EMC-2 NPT

Nickel plated brass EMC cable gland, standard & longer thread

PG & NPT
Thread

Optimal grounding of shielded cable, easy installation, water tight, impact resistant.



Technical data:

Material:	Brass, Nickel Plated
Contact spring:	Special Copper Alloy
Clamping Insert:	Polyamide 6
Seal:	Chloroprene (CR)
O-Ring:	Neoprene (NBR)
Protection type:	IP 68 - 5 Bar NEMA 4X
Temperature range:	<i>permanent:</i> -20°C to +100°C <i>intermittent:</i> -40°C to +150°C
Flammability:	V2 (according to UL 94)
Approvals:	cURus, cULus, DNV-GL, CE



Part Number	Thread Type	Clamping Range Ø min-max (CR)		Outer Ø (D) inches	Shield Diameter (Ø min)		Wrenching Flats		Thread Diameter (TD) inches	Thread Length (TL) inches	Max. Height (H) inches	UL
		inches	mm		inches	mm	Cap (SW1) inches	Body (SW2) inches				
PG												
EP2-7	PG 7	0.118 - 0.256	3.0 - 6.5	0.610	0.098	2.5	0.551	0.551	0.492	0.236	0.945	-
EP2-9	PG 9	0.157 - 0.315	4.0 - 8.0	0.744	0.138	3.5	0.669	0.669	0.598	0.236	1.004	cURus
EP2-11	PG 11	0.197 - 0.394	5.0 - 10.0	0.866	0.157	4.0	0.787	0.787	0.732	0.236	1.102	cURus
EP2-13	PG 13.5	0.236 - 0.472	6.0 - 12.0	0.965	0.197	5.0	0.866	0.866	0.803	0.256	1.043	cURus
EP2-16	PG 16	0.394 - 0.551	10.0 - 14.0	1.043	0.335	8.5	0.945	0.945	0.886	0.256	1.181	cULus
EP2-21	PG 21	0.512 - 0.709	13.0 - 18.0	1.299	0.433	11	1.181	1.181	1.114	0.283	1.378	cULus
EP2-29	PG 29	0.709 - 0.984	18.0 - 25.0	1.752	0.630	16	1.575	1.575	1.457	0.315	1.594	cULus
EP2-36	PG 36	0.866 - 1.26	22.0 - 32.0	2.185	0.787	20	1.969	1.969	1.850	0.354	1.969	cULus
EP2-42	PG 42	1.181 - 1.496	30.0 - 38.0	2.520	1.102	28	2.283	2.283	2.126	0.472	2.008	cULus
EP2-48	PG 48	1.339 - 1.732	34.0 - 44.0	2.756	1.220	31	2.520	2.520	2.335	0.551	2.165	cULus
PG with Long Thread*												
EP2-7L	PG 7	0.118 - 0.256	3.0 - 6.5	0.610	0.098	2.5	0.551	0.551	0.492	0.394	0.945	-
EP2-9L	PG 9	0.157 - 0.315	4.0 - 8.0	0.744	0.138	3.5	0.669	0.669	0.598	0.394	1.004	-
EP2-11L	PG 11	0.197 - 0.394	5.0 - 10.0	0.866	0.157	4.0	0.787	0.787	0.732	0.394	1.102	-
EP2-13L	PG 13.5	0.236 - 0.472	6.0 - 12.0	0.965	0.197	5.0	0.866	0.866	0.803	0.394	1.043	-
EP2-16L	PG 16	0.394 - 0.551	10.0 - 14.0	1.043	0.335	8.5	0.945	0.945	0.886	0.394	1.181	-
EP2-21L	PG 21	0.512 - 0.709	13.0 - 18.0	1.299	0.433	11	1.181	1.181	1.114	0.472	1.378	-
EP2-29L	PG 29	0.709 - 0.984	18.0 - 25.0	1.752	0.630	16	1.575	1.575	1.457	0.472	1.594	-
EP2-36L	PG 36	0.866 - 1.26	22.0 - 32.0	2.185	0.787	20	1.969	1.969	1.850	0.551	1.969	-
EP2-42L	PG 42	1.181 - 1.496	30.0 - 38.0	2.520	1.102	28	2.283	2.283	2.126	0.630	2.008	-
EP2-48L	PG 48	1.339 - 1.732	34.0 - 44.0	2.756	1.220	31	2.520	2.520	2.335	0.709	2.165	-
NPT												
EN2-3/8	NPT 3/8	0.197 - 0.394	5.0 - 10.0	0.866	0.157	4.0	0.787	0.787	0.675	0.453	1.240	cURus
EN2-1/2	NPT 1/2	0.236 - 0.472	6.0 - 12.0	0.965	0.197	5.0	0.866	0.866	0.840	0.512	1.083	cULus
EN2-3/4R*	NPT 3/4	0.354 - 0.630	9.0 - 16.0	1.299	0.335	8.5	1.181	1.181	1.050	0.512	1.496	cULus
EN2-3/4	NPT 3/4	0.512 - 0.709	13.0 - 18.0	1.299	0.433	11	1.181	1.181	1.050	0.512	1.496	cULus
EN2-1	NPT 1	0.709 - 0.984	18.0 - 25.0	1.909	0.630	16	1.575	1.693	1.315	0.512	1.791	cURus

* PG version and EN2-3/4R are not NEMA 4X rated

Locknuts need to be purchased separately, see page 17

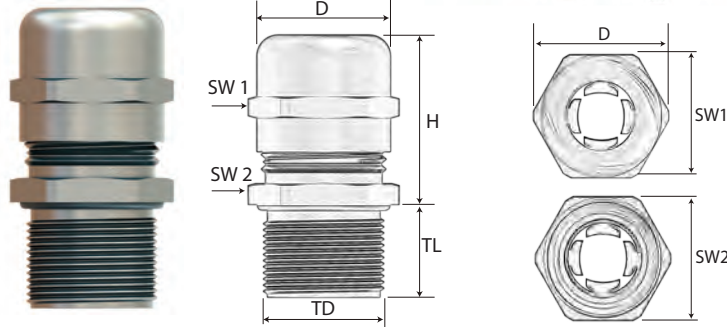
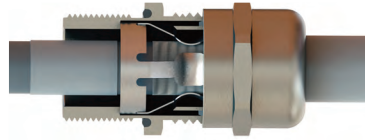
EMC Grounding Cable Glands

CG EMC-4 Metric / CG EMC-4 PG / CG EMC-4 NPT

Nickel plated brass EMC cable gland, vibration proof

Metric, PG, & NPT Thread

Optimal grounding of shielded cable, bi-directional cable installation, impact resistant.



Technical data:

Material:	Brass, Nickel Plated
Contact spring:	Special Copper Alloy
Clamping Insert:	Polyamide 6
Seal:	Chloroprene (CR)
O-Ring:	Neoprene (NBR)
Protection type:	IP 68 - 5 Bar NEMA 4X
Temperature range:	<i>permanent:</i> -20°C to +100°C <i>intermittent:</i> -40°C to +150°C
Flammability:	V2 (according to UL 94)
Approvals:	cURus, cULus, VDE, DNV-GL, CE



Part Number	Thread Type	Clamping Range Ø min-max (CR)		Outer Ø (D) inches	Shield Diameter (Ø min)		Wrenching Flats		Thread Diameter (TD) inches	Thread Length (TL) inches	Max. Height (H) inches	UL
		inches	mm		inches	mm	Cap (SW1) inches	Body (SW2) inches				
Metric												
EM4-12	M12x1.5	0.118 - 0.256	3.0 - 6.5	0.610	0.079	2.0	0.551	0.551	0.472	0.236	1.181	cURus
EM4-16	M16x1.5	0.197 - 0.394	5.0 - 10.0	0.866	0.138	3.5	0.787	0.787	0.630	0.236	1.378	cURus
EM4-20	M20x1.5	0.236 - 0.472	6.0 - 12.0	0.965	0.177	4.5	0.866	0.866	0.787	0.236	1.319	cULus
EM4-20C	M20x1.5	0.295 - 0.551	7.5 - 14.0	1.055	0.217	5.5	0.945	0.945	0.787	0.315	1.634	cULus
EM4-25	M25x1.5	0.394 - 0.709	10.0 - 18.0	1.299	0.276	7.0	1.181	1.181	0.984	0.315	1.752	cULus
EM4-32	M32x1.5	0.630 - 0.984	16.0 - 25.0	1.752	0.472	12	1.575	1.575	1.260	0.354	2.165	cULus
EM4-40	M40x1.5	0.866 - 1.260	22.0 - 32.0	2.185	0.709	18	1.969	1.969	1.575	0.354	2.461	cULus
EM4-50	M50x1.5	1.181 - 1.496	30.0 - 38.0	2.520	1.024	26	2.283	2.283	1.969	0.354	2.913	cULus
EM4-63	M63x1.5	1.339 - 1.732	34.0 - 44.0	2.953	1.181	30	2.520	2.677	2.480	0.551	2.362	cULus
EM4-63C	M63x1.5	1.457 - 2.087	37.0 - 53.0	3.268	1.299	33	2.953	2.953	2.480	0.394	2.953	cULus
PG^{1*}												
EP4-7	PG 7	0.118 - 0.256	3.0 - 6.5	0.650	0.079	2.0	0.551	0.591	0.492	0.236	1.181	-
EP4-11	PG 11	0.197 - 0.394	5.0 - 10.0	0.906	0.138	3.5	0.787	0.827	0.732	0.236	1.378	-
EP4-13	PG 13.5	0.236 - 0.472	6.0 - 12.0	0.965	0.177	4.5	0.866	0.866	0.803	0.256	1.319	-
EP4-16	PG 16	0.295 - 0.551	7.5 - 14.0	1.083	0.217	5.5	0.945	0.984	0.886	0.256	1.634	-
EP4-21	PG 21	0.394 - 0.709	10.0 - 18.0	1.398	0.276	7.0	1.181	1.260	1.114	0.276	1.752	-
EP4-29	PG 29	0.630 - 0.984	16.0 - 25.0	1.752	0.472	12	1.575	1.575	1.457	0.354	2.165	-
EP4-36	PG 36	0.866 - 1.26	22.0 - 32.0	2.185	0.709	18	1.969	1.969	1.850	0.354	2.441	-
EP4-42	PG 42	1.181 - 1.496	30.0 - 38.0	2.618	1.024	26	2.283	2.362	2.126	0.472	2.933	-
EP4-48	PG 48	1.339 - 1.732	34.0 - 44.0	2.953	1.181	30	2.520	2.677	2.335	0.551	2.382	-
NPT^{2*}												
EN4-1/4	NPT 1/4	0.118 - 0.256	3.0 - 6.5	0.650	0.079	2.0	0.551	0.591	0.540	0.453	1.181	-
EN4-3/8	NPT 3/8	0.197 - 0.394	5.0 - 10.0	0.866	0.138	3.5	0.787	0.787	0.675	0.453	1.378	-
EN4-1/2	NPT 1/2	0.236 - 0.472	6.0 - 12.0	0.965	0.177	4.5	0.866	0.866	0.840	0.591	1.555	cULus
EN4-1/2C	NPT 1/2	0.295 - 0.551	7.5 - 14.0	1.055	0.217	5.5	0.945	0.945	0.840	0.591	1.634	cULus
EN4-1/2C-2	NPT 1/2	0.295 - 0.551	7.5 - 14.0	1.055	0.217	5.5	0.945	0.945	0.840	0.314	1.634	cULus
EN4-3/4	NPT 3/4	0.394 - 0.709	10.0 - 18.0	1.299	0.276	7.0	1.181	1.181	1.050	0.591	1.713	cULus
EN4-1	NPT 1	0.630 - 0.984	16.0 - 25.0	1.752	0.472	12	1.575	1.575	1.315	0.787	2.126	cULus
EN4-1 1/4	NPT 1 1/4	0.866 - 1.260	22.0 - 32.0	2.185	0.709	18	1.969	1.969	1.660	0.787	2.480	cULus
EN4-1 1/2	NPT 1 1/2	1.181 - 1.496	30.0 - 38.0	2.520	1.024	26	2.283	2.283	1.900	0.866	2.874	cULus
EN4-2	NPT 2	1.339 - 1.732	34.0 - 44.0	2.953	1.181	30	2.520	2.677	2.375	0.866	0.866	cULus

¹ PG - DNV-GL & CE only
² NPT - cULus, DNV-GL & CE only
 * PG & NPT are not NEMA 4X rated

Locknuts need to be purchased separately, see page 17

Metal Locknuts / Metal EMC Locknuts

Nickel plated brass locknuts / Nickel plated brass locknuts with grounding teeth

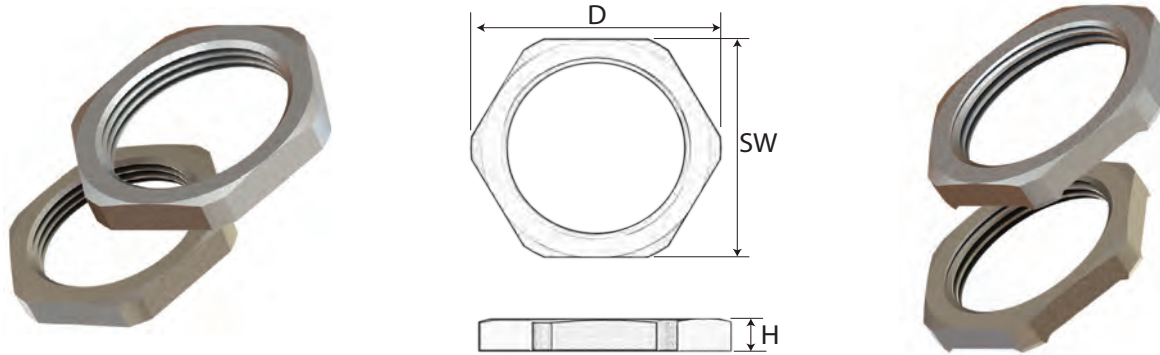
Metric, PG, & NPT
Thread

EMC locknut has grounding teeth to make connection to metal panels or control boxes.

Material:

Technical data:

Brass, Nickel Plated



Part Number	Thread Type	Height (H) inches	Diameter (D) inches	Wrenching Flats (SW) inches
Metric-Standard				
LMM-12	M12x1.5	0.110	0.654	0.591
LMM-16	M16x1.5	0.118	0.827	0.748
LMM-20	M20x1.5	0.138	1.043	0.945
LMM-25	M25x1.5	0.157	1.299	1.181
LMM-32	M32x1.5	0.197	1.555	1.417
LMM-40	M40x1.5	0.197	2.008	1.811
LMM-50	M50x1.5	0.197	2.598	2.362
LMM-63	M63x1.5	0.236	3.031	2.756
LMM-75	M75x2.0	0.276	3.528	3.150
LMM-80	M80x2.0	0.315	3.937	3.543
LMM-85	M85x2.0	0.315	4.181	3.740
LMM-90	M90x2.0	0.315	4.409	3.937
PG-Standard				
LPM-7	PG 7	0.110	0.654	0.591
LPM-9	PG 9	0.110	0.787	0.709
LPM-11	PG 11	0.118	0.925	0.827
LPM-13	PG 13.5	0.118	1.004	0.906
LPM-16	PG 16	0.118	1.142	1.024
LPM-21	PG 21	0.138	1.398	1.260
LPM-29	PG 29	0.157	1.772	1.614
LPM-36	PG 36	0.197	2.205	2.008
LPM-42	PG 42	0.197	2.598	2.362
LPM-48	PG 48	0.217	2.776	2.520
NPT-Standard				
LNM-3/8	NPT 3/8	0.197	0.965	0.866
LNM-1/2	NPT 1/2	0.197	1.181	1.063
LNM-3/4	NPT 3/4	0.197	1.437	1.299
LNM-1	NPT 1	0.197	1.831	1.693
LNM-1 1/4	NPT 1 1/4"	0.197	2.087	1.890
LNM-1 1/2	NPT 1 1/2"	0.197	2.402	2.165
LNM-2	NPT 2"	0.217	2.776	2.520

Part Number	Thread Type	Height (H) inches	Diameter (D) inches	Wrenching Flats (SW) inches
Metric-EMC				
LME-12	M12x1.5	0.130	0.650	0.591
LME-16	M16x1.5	0.138	0.827	0.748
LME-20	M20x1.5	0.146	1.043	0.945
LME-25	M25x1.5	0.146	1.299	1.181
LME-32	M32x1.5	0.157	1.555	1.417
LME-40	M40x1.5	0.181	2.008	1.811
LME-50	M50x1.5	0.220	2.598	2.362
LME-63	M63x1.5	0.264	3.031	2.756
PG-EMC				
LPE-7	PG 7	0.130	0.650	0.591
LPE-9	PG 9	0.130	0.787	0.709
LPE-11	PG 11	0.138	0.925	0.827
LPE-13	PG 13.5	0.138	1.004	0.906
LPE-16	PG 16	0.138	1.142	1.024
LPE-21	PG 21	0.157	1.398	1.260
LPE-29	PG 29	0.181	1.772	1.614
LPE-36	PG 36	0.220	2.205	2.008
LPE-42	PG 42	0.220	2.598	2.362
LPE-48	PG 48	0.240	2.776	2.520
NPT-EMC				
LNE-1/4	NPT 1/4"	0.217	0.740	0.669
LNE-3/8	NPT 3/8"	0.224	0.945	0.866
LNE-1/2	NPT 1/2"	0.264	1.043	0.945
LNE-3/4	NPT 3/4"	0.256	1.299	1.181
LNE-1	NPT 1"	0.299	1.752	1.575
LNE-1 1/4	NPT 1 1/4"	0.299	2.185	1.969
LNE-1 1/2	NPT 1 1/2"	0.343	2.520	2.283
LNE-2	NPT 2"	0.425	3.071	2.756

Stainless steel locknuts are available upon request

VFD Termination Kit

Grounding kits for larger AWG cables

VFD Termination Kits are used to ground the shield of VFD cables to a metal enclosure. It is an effective way to remove noise associated with VFD motors and drives. Improve the effectiveness by also using a SAB EMC grounding gland where the cable enters the enclosure.



Kit P/N	Kit Components	Quantity
VFD GRD KIT 14-1	1/4" flat tinned copper braid	2 x 3ft
	3/4" Copper tape	2 x 1ft
	Bolt assembly (see parts below)	1 bag
	Rubber splicing tape	1 roll
	Low profile tie wrap 7"	2 pcs
	Metal sand paper 3" x 3"	1 pc
	Alcohol wipes	2 pcs
VFD GRD KIT 1-4/0	3/4" flat tinned copper braid	2 x 3ft
	3/4" Copper tape	2 x 2ft
	Bolt assembly (see parts below)	1 bag
	Rubber splicing tape	1 roll
	Low profile tie wrap 7"	2 pcs
	Metal sand paper 3" x 3"	1 pc
	Alcohol wipes	2 pcs
VFD GRD KIT 250-500	1/4" flat tinned copper braid	2 x 3ft
	3/4" Copper tape	2 x 1ft
	Bolt assembly (see parts below)	1 bag
	Rubber splicing tape	1 roll
	Low profile tie wrap 7"	2 pcs
	Metal sand paper 3" x 3"	1 pc
	Alcohol wipes	2 pcs
Bolt assembly		
	brass bolt 1/4"-20 x 1-1/4"	2 pcs
	brass nut 1/4"-20	2 pcs
	bronze locking washer 1/4"-20	2 pcs
	brass washer 1/4"-20 x 9/16" OD	2 pcs
	brass washer 1/4"-20 x 1 1/4" OD	2 pcs



Installation Prep



Attach to Enclosure

Multi-Hole Bushings

Chloroprene multi-hole bushing

Fits SAB
Metric, PG, or NPT
Cord Grips



Multi-hole bushings are ideal for when there is limited space on a control cabinet or when you have multiple smaller cables that need to be secured. They are made of black chloroprene and, when used with a SAB cord grip, will provide an excellent seal.

Technical data:

Material: Chloroprene (CR)
Color: Black



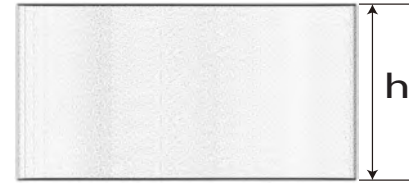
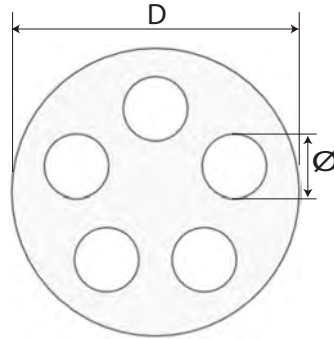
Part Number	Clamping Range		CG 100 Plastic Cord Grip			CG 300 Metal Cord Grip			Hole Quantity	Hole Diameter Ø inches	Outer Dia. D inches	Height h inches
	inches	mm	PG	Metric	NPT	PG	Metric	NPT				
MHB-02	0.157 - 0.315	4 - 8	PG 9	M16C	-	PG 9	M16	NPT 3/8"	2	0.118	0.429	0.276
MHB-01	0.157 - 0.315	4 - 8	PG 9	M16C	-	PG 9	M16	NPT 3/8"	2	0.157	0.429	0.276
MHB-03	0.157 - 0.315	4 - 8	PG 9	M16C	-	PG 9	M16	NPT 3/8"	4	0.118	0.429	0.276
MHB-07	0.197 - 0.394	5 - 10	PG 11	M16	NPT 3/8"	PG 11	M16C	NPT 3/8"C	2	0.118	0.539	0.409
MHB-04	0.197 - 0.394	5 - 10	PG 11	M16	NPT 3/8"	PG 11	M16C	NPT 3/8"C	2	0.157	0.539	0.409
MHB-05	0.197 - 0.394	5 - 10	PG 11	M16	NPT 3/8"	PG 11	M16C	NPT 3/8"C	2	0.177	0.539	0.409
MHB-08	0.197 - 0.394	5 - 10	PG 11	M16	NPT 3/8"	PG 11	M16C	NPT 3/8"C	2	0.197	0.539	0.409
MHB-09	0.197 - 0.394	5 - 10	PG 11	M16	NPT 3/8"	PG 11	M16C	NPT 3/8"C	3	0.157	0.539	0.409
MHB-14	0.236 - 0.472	6 - 12	PG 13.5	M20	NPT 1/2"	PG 13.5	M20	NPT 1/2"	2	0.197	0.630	0.331
MHB-10	0.236 - 0.472	6 - 12	PG 13.5	M20	NPT 1/2"	PG 13.5	M20	NPT 1/2"	2	0.236	0.630	0.331
MHB-11	0.236 - 0.472	6 - 12	PG 13.5	M20	NPT 1/2"	PG 13.5	M20	NPT 1/2"	3	0.157	0.630	0.331
MHB-12	0.236 - 0.472	6 - 12	PG 13.5	M20	NPT 1/2"	PG 13.5	M20	NPT 1/2"	3	0.197	0.630	0.331
MHB-13	0.236 - 0.472	6 - 12	PG 13.5	M20	NPT 1/2"	PG 13.5	M20	NPT 1/2"	4	0.118	0.630	0.331
MHB-15	0.236 - 0.472	6 - 12	PG 13.5	M20	NPT 1/2"	PG 13.5	M20	NPT 1/2"	4	0.157	0.630	0.331
MHB-19	0.394 - 0.551	10 - 14	PG 16	M20C	NPT 1/2"C	PG 16	M20C	NPT 1/2"C	2	0.157	0.709	0.366
MHB-16	0.394 - 0.551	10 - 14	PG 16	M20C	NPT 1/2"C	PG 16	M20C	NPT 1/2"C	2	0.236	0.709	0.366
MHB-76	0.394 - 0.551	10 - 14	PG 16	M20C	NPT 1/2"C	PG 16	M20C	NPT 1/2"C	2	0.256	0.709	0.366
MHB-17	0.394 - 0.551	10 - 14	PG 16	M20C	NPT 1/2"C	PG 16	M20C	NPT 1/2"C	2	0.276	0.709	0.366
MHB-18	0.394 - 0.551	10 - 14	PG 16	M20C	NPT 1/2"C	PG 16	M20C	NPT 1/2"C	3	0.157	0.709	0.366
MHB-77	0.394 - 0.551	10 - 14	PG 16	M20C	NPT 1/2"C	PG 16	M20C	NPT 1/2"C	3	0.220	0.709	0.366
MHB-78	0.394 - 0.551	10 - 14	PG 16	M20C	NPT 1/2"C	PG 16	M20C	NPT 1/2"C	3	0.236	0.709	0.366
MHB-20	0.394 - 0.551	10 - 14	PG 16	M20C	NPT 1/2"C	PG 16	M20C	NPT 1/2"C	4	0.197	0.709	0.366
MHB-79	0.394 - 0.551	10 - 14	PG 16	M20C	NPT 1/2"C	PG 16	M20C	NPT 1/2"C	4	0.236	0.709	0.366
MHB-23	0.394 - 0.551	10 - 14	PG 16	M20C	NPT 1/2"C	PG 16	M20C	NPT 1/2"C	5	0.157	0.709	0.366
MHB-80	0.394 - 0.551	10 - 14	PG 16	M20C	NPT 1/2"C	PG 16	M20C	NPT 1/2"C	6	0.157	0.709	0.366
MHB-35	0.433 - 0.669	11 - 17	-	M25C	-	-	M25RC	-	2	0.236	0.803	0.421
MHB-37	0.433 - 0.669	11 - 17	-	M25C	-	-	M25RC	-	3	0.197	0.803	0.421
MHB-36	0.433 - 0.669	11 - 17	-	M25C	-	-	M25RC	-	3	0.236	0.803	0.421
MHB-38	0.433 - 0.669	11 - 17	-	M25C	-	-	M25RC	-	3	0.276	0.803	0.421
MHB-39	0.433 - 0.669	11 - 17	-	M25C	-	-	M25RC	-	4	0.197	0.803	0.421
MHB-40	0.433 - 0.669	11 - 17	-	M25C	-	-	M25RC	-	5	0.157	0.803	0.421
MHB-41	0.433 - 0.669	11 - 17	-	M25C	-	-	M25RC	-	6	0.157	0.803	0.421
MHB-42	0.433 - 0.669	11 - 17	-	M25C	-	-	M25RC	-	7	0.118	0.803	0.421
MHB-25	0.512 - 0.709	13 - 18	PG 21	M25	NPT 3/4"	PG 21	M25C, M32	NPT 3/4"	2	0.260	0.902	0.480
MHB-26	0.512 - 0.709	13 - 18	PG 21	M25	NPT 3/4"	PG 21	M25C, M32	NPT 3/4"	2	0.276	0.902	0.480
MHB-27	0.512 - 0.709	13 - 18	PG 21	M25	NPT 3/4"	PG 21	M25C, M32	NPT 3/4"	2	0.315	0.902	0.480
MHB-28	0.512 - 0.709	13 - 18	PG 21	M25	NPT 3/4"	PG 21	M25C, M32	NPT 3/4"	2	0.354	0.902	0.480
MHB-29	0.512 - 0.709	13 - 18	PG 21	M25	NPT 3/4"	PG 21	M25C, M32	NPT 3/4"	3	0.260	0.902	0.480
MHB-81	0.512 - 0.709	13 - 18	PG 21	M25	NPT 3/4"	PG 21	M25C, M32	NPT 3/4"	3	0.276	0.902	0.480

Contact SAB, if you have a different SAB gland than above.

Multi-Hole Bushings

Chloroprene multi-hole bushing

Fits SAB
Metric, PG, or NPT
cord grips



Part Number	Clamping Range		CG 100 Plastic Cord Grip			CG 300 Metal Cord Grip			Hole Quantity	Hole Diameter Ø inches	Outer Dia. D inches	Height h inches
	inches	mm	PG	Metric	NPT	PG	Metric	NPT				
MHB-30	0.512 - 0.709	13 - 18	PG 21	M25	NPT 3/4"	PG 21	M25C, M32	NPT 3/4"	3	0.315	0.902	0.480
MHB-32	0.512 - 0.709	13 - 18	PG 21	M25	NPT 3/4"	PG 21	M25C, M32	NPT 3/4"	4	0.260	0.902	0.480
MHB-33	0.512 - 0.709	13 - 18	PG 21	M25	NPT 3/4"	PG 21	M25C, M32	NPT 3/4"	4	0.276	0.902	0.480
MHB-54	0.591 - 0.826	15 - 21	-	M32C	-	-	M32RC	-	2	0.276	1.000	0.559
MHB-52	0.591 - 0.826	15 - 21	-	M32C	-	-	M32RC	-	2	0.315	1.000	0.559
MHB-55	0.591 - 0.826	15 - 21	-	M32C	-	-	M32RC	-	2	0.354	1.000	0.559
MHB-53	0.591 - 0.826	15 - 21	-	M32C	-	-	M32RC	-	3	0.315	1.000	0.559
MHB-58	0.591 - 0.826	15 - 21	-	M32C	-	-	M32RC	-	4	0.236	1.000	0.559
MHB-59	0.591 - 0.826	15 - 21	-	M32C	-	-	M32RC	-	4	0.276	1.000	0.559
MHB-56	0.591 - 0.826	15 - 21	-	M32C	-	-	M32RC	-	4	0.315	1.000	0.559
MHB-57	0.591 - 0.826	15 - 21	-	M32C	-	-	M32RC	-	5	0.236	1.000	0.559
MHB-60	0.591 - 0.826	15 - 21	-	M32C	-	-	M32RC	-	6	0.197	1.000	0.559
MHB-61	0.591 - 0.826	15 - 21	-	M32C	-	-	M32RC	-	6	0.236	1.000	0.559
MHB-63	0.591 - 0.826	15 - 21	-	M32C	-	-	M32RC	-	8	0.157	1.000	0.559
MHB-64	0.591 - 0.826	15 - 21	-	M32C	-	-	M32RC	-	8	0.197	1.000	0.559
MHB-62	0.591 - 0.826	15 - 21	-	M32C	-	-	M32RC	-	9	0.118	1.000	0.559
MHB-65	0.591 - 0.826	15 - 21	-	M32C	-	-	M32RC	-	9	0.157	1.000	0.559
MHB-43	0.709 - 0.984	18 - 25	PG 29	M32	NPT 1"	PG 29	M32C, M40	NPT 1"	2	0.315	1.197	0.551
MHB-44	0.709 - 0.984	18 - 25	PG 29	M32	NPT 1"	PG 29	M32C, M40	NPT 1"	2	0.354	1.197	0.551
MHB-45	0.709 - 0.984	18 - 25	PG 29	M32	NPT 1"	PG 29	M32C, M40	NPT 1"	3	0.295	1.197	0.551
MHB-47	0.709 - 0.984	18 - 25	PG 29	M32	NPT 1"	PG 29	M32C, M40	NPT 1"	4	0.315	1.197	0.551
MHB-48	0.709 - 0.984	18 - 25	PG 29	M32	NPT 1"	PG 29	M32C, M40	NPT 1"	5	0.335	1.197	0.551
MHB-49	0.709 - 0.984	18 - 25	PG 29	M32	NPT 1"	PG 29	M32C, M40	NPT 1"	6	0.236	1.197	0.551
MHB-50	0.709 - 0.984	18 - 25	PG 29	M32	NPT 1"	PG 29	M32C, M40	NPT 1"	6	0.295	1.197	0.551
MHB-51	0.709 - 0.984	18 - 25	PG 29	M32	NPT 1"	PG 29	M32C, M40	NPT 1"	6	0.197	1.197	0.551
MHB-66	0.748 - 1.102	19 - 28	-	M40C	-	-	M40RC	-	2	0.394	1.315	0.669
MHB-67	0.748 - 1.102	19 - 28	-	M40C	-	-	M40RC	-	3	0.394	1.315	0.669
MHB-68	0.748 - 1.102	19 - 28	-	M40C	-	-	M40RC	-	4	0.315	1.315	0.669
MHB-69	0.748 - 1.102	19 - 28	-	M40C	-	-	M40RC	-	5	0.315	1.315	0.669
MHB-70	0.748 - 1.102	19 - 28	-	M40C	-	-	M40RC	-	5	0.354	1.315	0.669
MHB-71	0.748 - 1.102	19 - 28	-	M40C	-	-	M40RC	-	6	0.276	1.315	0.669
MHB-72	0.748 - 1.102	19 - 28	-	M40C	-	-	M40RC	-	8	0.236	1.315	0.669
MHB-73	0.748 - 1.102	19 - 28	-	M40C	-	-	M40RC	-	9	0.276	1.315	0.669
MHB-74	0.748 - 1.102	19 - 28	-	M40C	-	-	M40RC	-	10	0.236	1.315	0.669
MHB-75	0.748 - 1.102	19 - 28	-	M40C	-	-	M40RC	-	12	0.209	1.315	0.669
MHB-82	0.866 - 1.260	22 - 32	PG 36	M40	-	PG 36	M40C, M50	NPT 1 1/4"	5	0.354	1.575	0.661
MHB-83	0.866 - 1.260	22 - 32	PG 36	M40	-	PG 36	M40C, M50	NPT 1 1/4"	8	0.315	1.575	0.661

Contact SAB, if you have a different SAB gland then above.

Explosion Proof Glands

EX 100 Metric & NPT

Polyamide 6 EX e and EX i dome cap glands - Metric or NPT Threads



EX e



EX i

- For applications in explosive environments
- For Group II & III (Gas & Dust)
- Can be used with intrinsically safe circuits
- With blue dome for use with Ex-i circuits (intrinsically safe)
- High quality strain relief and sealing, reliable performance for standard hazardous area applications
- Up-to-date international approvals



EX 150 Metric

High Impact Polyamide 6 EX e dome cap glands - Metric Threads



Double Seal



Single Seal



- For applications in explosive environments
- Can be used for 7J high impact applications
- Special design
- High quality strain relief and sealing, reliable performance for standard hazardous area applications
- Up-to-date international approvals



EX 300 Metric / EX 300 NPT

Nickel Plated Brass EX e & EX d dome cap glands for Non-armored cables - Metric or NPT Threads

Triple Seal:



- For applications in explosive environments.
- For Group II & III (Gas & Dust) - Ex-d and Ex-e.
- High quality strain relief and sealing, reliable performance for standard hazardous area applications
- Up-to-date international approvals



EX EMC-2 Metric & NPT

Nickel Plated Brass EX e & EX d dome cap glands for shielded cables - Metric or NPT Threads



View from top



View from bottom

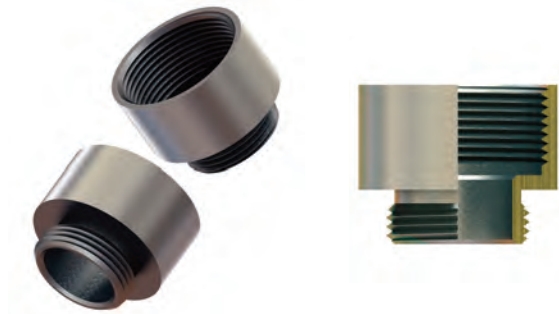


- For applications in explosive environments.
- For Group II & III (Gas & Dust)
- For EMC applications
- High quality strain relief and sealing, reliable performance for standard hazardous area applications
- Up-to-date international approvals



Metal Enlargers

Nickel plated brass fittings



Enlargers are ideal when a threaded hole exists and you need to secure a larger thread or different style of thread. Made of nickel plated brass, SAB's enlargers are very durable.

- PG to PG threads
- PG to Metric threads
- Metric to PG threads
- Metric to Metric threads
- Metric to NPT threads

Metal Reducers

Nickel plated brass fittings



Reducers are ideal when a threaded hole exists and you need to secure a smaller thread or different style of thread. Made of nickel plated brass, SAB's reducers are very durable.

- PG to PG threads
- Metric to PG threads
- Metric to Metric threads

Hole Plugs

Round or Hex shaped Polyamide hole plug for sealing threaded holes - Metric or PG Threads

Hole plugs are used where a pre-existing threaded hole exists with no cable that needs to be closed and protected. SAB offers a round and hex top Polyamide 6 product in gray or black & PG and metric thread.



Technical Data:

- **Material:** Polyamide 6
- **Temperature range:**
permanent: -20°C to +100°C
intermittent: -30°C to +150°C
- **Flammability:**
V2 (according to UL 94)

Dome Plugs

Sealing plug for cable glands based on clamping range

Dome Plugs are used for sealing cable glands when no cable is being used.



Technical Data:

- **Material:** Polyamide 6
- **Temperature range:**
permanent: -20°C to +100°C
intermittent: -30°C to +150°C
- **Flammability:**
V2 (according to UL 94)

Metal Round Hole Plugs

Hole plug for sealing threaded holes- Metric or PG Threads

Nickel plated brass hole plugs are used where a pre-existing threaded hole exists with no cable that needs to be closed and protected. SAB offers a round nickel plated brass hole plug with PG and metric thread.



Technical Data:

- **Material:** Nickel Plated Brass
- **Temperature range:**
-30°C to +100°C
- **Protection:** IP 65, 5 Bar

Ventilation Glands

VG Vent PA6 / NPB

Polyamide vent gland, black or gray / Nickel plated brass vent gland



Vent glands are used to secure a cable and balance the pressure in an enclosure to protect electronic connections from condensation. They are UL approved and chemical resistant. The vent plugs come in black or gray polyamide or nickel plated brass with different air flow ratings.

Technical Data:

- **Vent element:** PTFE
- **Seal:** Chloroprene (CR)
- **Washer:** Neoprene (NBR)
- **Protection type:** IP 66/67
- **Temperature range:**
permanent: -20°C to +100°C
intermittent: -30°C to +150°C
- **Flammability:**
V2 (according to UL 94)

VP Vent PA6

Polyamide vent plug, black or gray - Metric threads or Quick Fit

Style A



Style E



Style B



Style F



Vent plugs are used to balance the pressure in an enclosure to protect electronic connections from condensation. They are UL approved and chemical resistant. The vent plugs come in black or gray polyamide with different air flow ratings.

- Balances pressure difference between inner housing and the outside environment.
- Prevents damage according to pressure differences.
- Prevents the formation of water condensation in tightly-sealed standard housing.
- Membrane properties: hydrophobic, oleophobic.

Technical Data:

- **Body & Cap:** Polyamide 6
- **Vent element:** Acrylic Co-Polymer on Nylon Support
- **Seal:** Chloroprene (CR)
- **Washer:** Neoprene (NBR)
- **Protection type:** IP 66/67 (for water intrusion pressure oil bar)
- **Temperature range:**
permanent: -40°C to +100°C
intermittent: -45°C to +150°

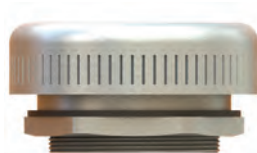
VP Vent Plug Metal

Stainless steel vent plug - Metric or PG Threads

Style C



Style D



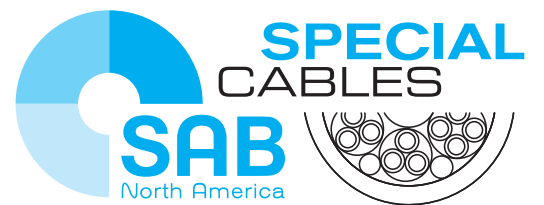
Style G



Vent plugs are used to balance the pressure in an enclosure to protect electronic connections from condensation. They are UL approved and chemical resistant. The vent plugs are stainless steel AISI 303 and come with different air flow ratings.

Technical Data:

- **Body & Cap:** Stainless steel AISI 303
- **Vent element:** Acrylic Co-Polymer on Nylon Support
- **Seal:** Chloroprene (CR)
- **Washer:** Neoprene (NBR)
- **Protection type:** IP 66/67 (for water intrusion pressure oil bar)
- **Temperature range:**
permanent: -40°C to +100°C
intermittent: -45°C to +150°



344 Kaplan Drive
Fairfield, NJ 07004
Toll Free: 866-722-2974
www.sabcable.com
info@sabcable.com