

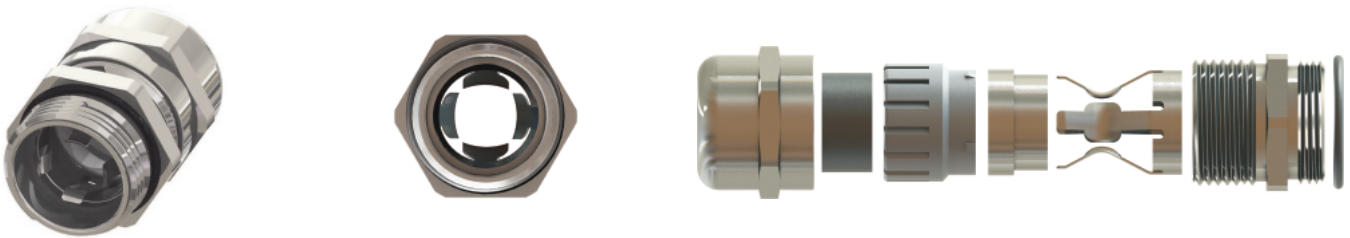
EMC Grounding Gland Installation Guide

SAB's EMC grounding glands are designed to create a path to ground and remove EMI from the cable shield at the enclosure and eventually to earth ground. We offer two designs, CG EMC-2 and CG EMC-4. SAB's EMC glands work perfectly with VFD cables. CG EMC-2 is a more cost-effective solution for permanent installation. CG EMC-4 is designed to withstand high vibration applications and multiple reinstallations of the cable. The cable can be installed in either direction when using the EMC-4 style but must be installed from the dome end for the CG EMC-2 style.

■ EMC-2



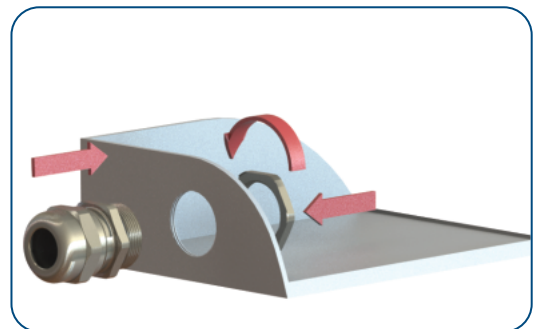
■ EMC-4



Steps For Installation

■ Step 1:

Install the EMC cable gland on the enclosure. Use our EMC locknut for optimal contact with the enclosure. If enclosure hole is threaded, refer to the Torque Value Tables for recommended tightening torques for cap, body, and locknut.

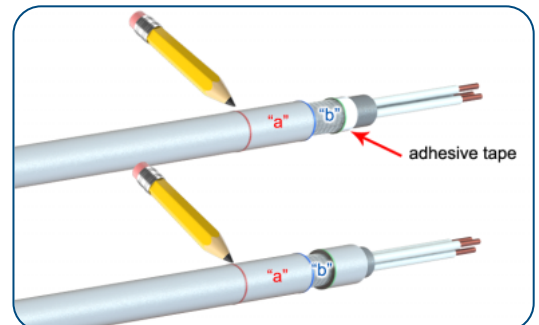


■ Step 2:

Prepare the cable shield for connection. Determine the spot where the cable will enter the enclosure and mark the jacket. From that first mark, measure out from the direction leaving the enclosure with "b" then "a" using the sizing chart on the next page.

Option 1: Remove the complete jacket and trim the braid beyond the connection to the gland. Use adhesive tape to secure the end of the shield to avoid fraying.

Option 2: Leave the jacket on the cable exposing only section "b", so contact is made with the shield. If the jacket moves during installation, gently move it back into position.



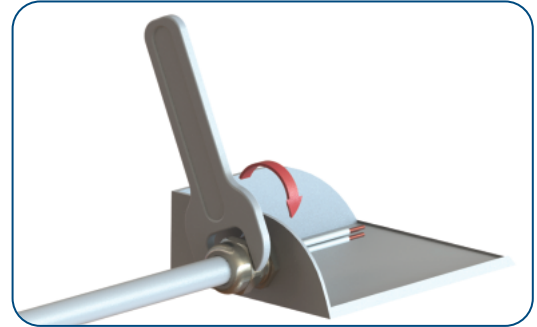
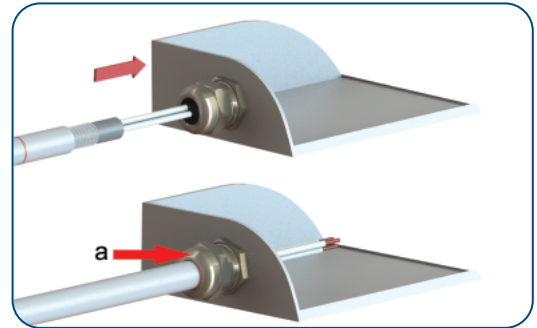
Technical Data - Cord Grips & Accessories

EMC Grounding Gland Installation Guide

■ Step 3:

Insert cable through gland aligning mark "a" with top of gland. Make sure the gland's grounding springs are in contact with the shield of the cable.

- For CG-EMC-2, do not try to rotate or pull out the cable.
- For CG-EMC-4, the cable can be moved to ensure best position



■ Step 4:

Tighten the cap. Refer to Torque Values Tables for proper tightening. Once the gland is secured, do not pull or rotate the cable because this could damage the cable.

■ CG EMC-2

Metric	PG	NPT	Marking "a"		Exposed Shield "b"	
			inch	mm	inch	mm
EM2-12	EP2-7	-	0.591	15.0	0.492	12.5
EM2-16	EP2-9	-	0.709	18.0	0.433	11.0
EM2-16C	EP2-11	EN2-3/8	0.748	19.0	0.512	13.0
EM2-20	EP2-13	EN2-1/2	0.728	18.5	0.492	12.5
EM2-25	EP2-16	-	0.807	20.5	0.531	13.5
EM2-25C, EM2-32	EP2-21	EN2-3/4	0.945	24.0	0.591	15.0
EM2-32C, EM2-40	EP2-29	EN2-1	1.142	29.0	0.650	16.5
EM2-40C, EM2-50	EM2-50	-	1.378	35.0	0.827	21.0
EM2-50C	EP2-42	-	1.260	32.0	0.906	23.0
EM2-63	EP2-48	-	1.339	34.0	1.280	32.5

■ CG EMC-4

Metric	PG	NPT	Marking "a"		Exposed Shield "b"	
			inch	mm	inch	mm
EM4-12	EP4-7	EN4-1/4	0.413	10.5	0.551	14.0
EM4-16	EP4-11	EN4-3/8	0.591	15.0	0.551	14.0
EM4-20	EP4-13	EN4-1/2	0.551	14.0	0.748	19.0
EM4-20C	EP4-16	EN4-1/2C	0.591	15.0	0.748	19.0
EM4-25	EP4-21	EN4-3/4	0.748	19.0	0.787	20.0
EM4-32	EP4-29	EN4-1	0.827	21.0	1.024	26.0
EM4-40	EP4-36	EN4-1 1/4	1.024	26.0	1.102	28.0
EM4-50	EP4-42	EN4-1 1/2	1.024	26.0	1.575	40.0
EM4-63	EP4-48	EN4-2	1.083	27.5	1.378	35.0
EM4-63C	-	-	1.220	31.0	1.378	35.0