

# SAB Grounding Solutions for VFD Cable

## EMC-2

EMC-2 is a nickel plated brass strain relief with integral grounding springs in the gland. It has an IP 68 protection class for excellent protection against dust and water spray. EMC-2 comes in metric, PG and NPT thread.

### Features:

- One Direction Installation
- Affordable
- Nickel Plated Brass with Tinned Copper Springs



### TECHNICAL DATA:

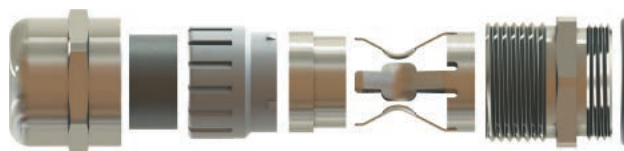
<b>Material:</b>	Brass, Nickel Plated
<b>Contact spring:</b>	Special Copper Alloy
<b>Clamping insert:</b>	Polyamide 6 V2
<b>Seal:</b>	Chloroprene (CR)
<b>O-Ring:</b>	Neoprene (NBR)
<b>Protection class:</b>	IP 68 - 5 Bar
<b>Temperature range</b>	
<i>permanent:</i>	-20°C to +100°C
<i>intermittent:</i>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

## EMC-4

EMC-4 is a nickel plated brass strain relief with integral grounding springs in the gland that will allow the cable to move without damage to the shield. A cable can be installed from either direction as well. It has an IP 68 protection class for excellent protection against dust and water spray.

### Features:

- Bi-directional Installation
- Great Anti-Vibration Mechanisms
- Nickel Plated Brass with Tinned Copper Springs



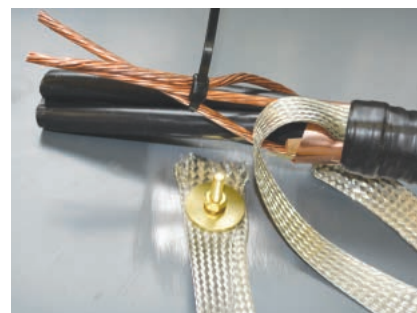
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## VFD TERMINATION KITS



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.



# SAB Grounding Solutions for SAB VFD Cable

## Recommended Grounding Connectors and Shielding Kit

Part Number	AWG	OD (in)	Metric Thread		PG Thread		NPT Thread		VFD Kit
			EMC-2	EMC-4	EMC-2	EMC-4	EMC-2	EMC-4	
<b>VFD XLPE TR</b>									
35681604	16/4c	0.477	EM2-25	EM4-20C	EP2-16	EP4-16	EN2-3/4	EN4-1/2C	-
35681404	14/4c	0.522	EM2-25	EM4-20C	EP2-16	EP4-16	EN2-3/4	EN4-1/2C	VFD GRD KIT 14-1
35681204	12/4c	0.592	EM2-25C	EM4-25	EP2-21	EP4-21	EN2-3/4	EN4-3/4	VFD GRD KIT 14-1
35681004	10/4c	0.680	EM2-25C	EM4-25	EP2-21	EP4-21	EN2-3/4	EN4-3/4	VFD GRD KIT 14-1
35680804	8/4c	0.886	EM2-32C	EM4-32	EP2-29	EP4-29	EN2-1	EN4-1	VFD GRD KIT 14-1
35680604	6/4c	0.968	EM2-40C	EM4-40	EP2-36	EP4-36	EN2-1	EN4-1 1/4	VFD GRD KIT 14-1
35680404	4/4c	1.090	EM2-40C	EM4-40	EP2-36	EP4-36	-	EN4-1 1/4	VFD GRD KIT 14-1
35680204	2/4c	1.247	EM2-50C	EM4-50	EP2-42	EP4-42	-	EN4-1 1/2	VFD GRD KIT 14-1
<b>VFD COMBO XLPE</b>									
35691614	16/4c (18/1pr)	0.573	EM2-25C	EM4-25	EP2-21	EP4-21	EN2-3/4	EN4-3/4	-
35691624D	16/4c (16/1pr)	0.580	EM2-25C	EM4-25	EP2-21	EP4-21	EN2-3/4	EN4-3/4	-
35691414	14/4c (18/1pr)	0.616	EM2-25C	EM4-25	EP2-21	EP4-21	EN2-3/4	EN4-3/4	VFD GRD KIT 14-1
35691464	14/4c (18/2pr)	0.662	EM2-25C	EM4-25	EP2-21	EP4-21	EN2-3/4	EN4-3/4	VFD GRD KIT 14-1
35691424D	14/4c (16/1pr)	0.626	EM2-25C	EM4-25	EP2-21	EP4-21	EN2-3/4	EN4-3/4	VFD GRD KIT 14-1
35691404	14/4c (14/1pr)	0.628	EM2-25C	EM4-25	EP2-21	EP4-21	EN2-3/4	EN4-3/4	VFD GRD KIT 14-1
35691214	12/4c (18/1pr)	0.654	EM2-25C	EM4-25	EP2-21	EP4-21	EN2-3/4	EN4-3/4	VFD GRD KIT 14-1
35691264	12/4c (18/2pr)	0.698	EM2-25C	EM4-25	EP2-21	EP4-21	EN2-3/4	EN4-3/4	VFD GRD KIT 14-1
35691224D	12/4c (16/1pr)	0.673	EM2-25C	EM4-25	EP2-21	EP4-21	EN2-3/4	EN4-3/4	VFD GRD KIT 14-1
35691204	12/4c (14/1pr)	0.667	EM2-25C	EM4-25	EP2-21	EP4-21	EN2-3/4	EN4-3/4	VFD GRD KIT 14-1
35691064	10/4c (18/2pr)	0.762	EM2-32C	EM4-32	EP2-29	EP4-29	EN2-1	EN4-1	VFD GRD KIT 14-1
35691024D	10/4c (16/1pr)	0.755	EM2-32C	EM4-32	EP2-29	EP4-29	EN2-1	EN4-1	VFD GRD KIT 14-1
35691004	10/4c (14/1pr)	0.736	EM2-32C	EM4-32	EP2-29	EP4-29	EN2-1	EN4-1	VFD GRD KIT 14-1
35690864	8/4c (18/2pr)	0.961	EM2-40C	EM4-40	EP2-36	EP4-36	EN2-1	EN4-1 1/4	VFD GRD KIT 14-1
35690804	8/4c (14/1pr)	0.960	EM2-40C	EM4-40	EP2-36	EP4-36	EN2-1	EN4-1 1/4	VFD GRD KIT 14-1
35690664	6/4c (16/2pr)	1.032	EM2-40C	EM4-40	EP2-36	EP4-36	-	EN4-1 1/4	VFD GRD KIT 14-1
35690604	6/4c (14/1pr)	1.030	EM2-40C	EM4-40	EP2-36	EP4-36	-	EN4-1 1/4	VFD GRD KIT 14-1
35690404	4/4c (14/1pr)	1.140	EM2-40C	EM4-40	EP2-36	EP4-36	-	EN4-1 1/4	VFD GRD KIT 14-1
35690204	2/4c (14/1pr)	1.280	EM2-50C	EM4-50	EP2-42	EP4-42	-	EN4-1 1/2	VFD GRD KIT 14-1
<b>VFD SYMMETRICAL XLPE</b>									
35681403	14/3c	0.501	EM2-25	EM4-20C	EP2-16	EP4-16	EN2-3/4	EN4-1/2C	VFD GRD KIT 14-1
35681203	12/3c	0.570	EM2-25C	EM4-25	EP2-21	EP4-21	EN2-3/4	EN4-3/4	VFD GRD KIT 14-1
35681003	10/3c	0.642	EM2-25C	EM4-25	EP2-21	EP4-21	EN2-3/4	EN4-3/4	VFD GRD KIT 14-1
35680803	8/3c	0.811	EM2-32C	EM4-32	EP2-29	EP4-29	EN2-1	EN4-1	VFD GRD KIT 14-1
35680603	6/3c	0.954	EM2-32C	EM4-32	EP2-29	EP4-29	EN2-1	EN4-1	VFD GRD KIT 14-1
35680403	4/3c	1.062	EM2-40C	EM4-40	EP2-36	EP4-36	-	EN4-1 1/4	VFD GRD KIT 14-1
35680203	2/3c	1.226	EM2-50C	EM4-50	EP2-42	EP4-42	-	EN4-1 1/2	VFD GRD KIT 14-1
<b>VFD XLPE AUTO</b>									
35781404	14/4c	0.569	EM2-25C	EM4-25	EP2-21	EP4-21	EN2-3/4	EN4-3/4	VFD GRD KIT 14-1
35781204	12/4c	0.646	EM2-25C	EM4-25	EP2-21	EP4-21	EN2-3/4	EN4-3/4	VFD GRD KIT 14-1
35781004	10/4	0.704	EM2-32C	EM4-32	EP2-29	EP4-29	EN2-1	EN4-1	VFD GRD KIT 14-1

Last 2 digits in the part number designates the thread size.

