

## EMC CABLE GLANDS



EMC Cable Glands from Siemens are the perfect complement to PROTOFLEX-EMV screen cables providing an efficient shield connection that meets the requirements of both AS/NZS CISPR-11 and EN 55011.

Consisting of a few components they are quick and easy to install. Tightening the pressure nut causes the insert to press against two taper rings which, in turn, press on an endless spring washer, making its diameter taper, thus permanently bonding the screen braid of the threaded cable. The result is a low resistance connection between the cable screen and the housing of the electrical equipment via the gland body.

In order to conform with the radio interference suppression requirements set forth in EN 55011, the shield must be connected around its entire circumference and over an ample surface area at both ends of the cable.

### ADVANTAGES

- Easily assembled
- 360° bonding on screen
- Large sealing ranges
- IP68
- High attenuation
- Sheath can still be continued on into the equipment housing

### THE EARTHING PROBLEM

The paint on cubicles and equipment housings has to be removed so the metal gland body is in direct contact with the bare metal of the equipment to ensure the earth bonding circuit is compliant.

### THE SOLUTION

The 6 teeth of the lock nut are for equipotential bonding and scrape into the insulating layers of paint or powder to create a vibration-resistant contact.

- No surface corrosion
- Very low-ohm transition; gland/housing
- No need to clean contact surface
- Increases the installed vibration-resistance through frictional connection

## EMC CABLE GLANDS

Cable cross section	Cable part No.	Nominal cable diameter	Approx. diameter over screen	Glands part No.
mm <sup>2</sup>		mm	mm	
4 x 1.5	5EMC 4015	11.20	9.70	100210999
4 x 2.5	5EMC 4025	13.30	10.90	100210999
4 x 4	5EMC 4040	15.50	12.25	100210738
3 x 6 + 3 x 1.5	5EMC 4060	17.50	14.00	100206872
3 x 10 + 3 x 1.5	5EMC 4100	19.60	15.80	100206872
3 x 16 + 3 x 2.5	5EMC 4160	23.00	18.80	100206246
3 x 25 + 3 x 4	5EMC 4250	26.00	22.00	100207312
4 x 1.5	5DE6 600	11.00	8.40	100210368
4 x 2.5	5DE6 601	12.50	9.40	100210999
4 x 4	5DE6 602	15.50	11.60	100210738
4 x 6	5DE6 603	17.50	12.80	100210738
4 x 10	5DE6 604	19.50	15.30	100206872
3 x 16 + 3 x 2.5	5DE6 605	21.00	16.20	100206246
3 x 25 + 3 x 4	5DE6 606	24.50	19.80	100207312
3 x 35 + 3 x 6	5DE6 607	28.00	22.50	100208193
3 x 50 + 3 x 10	5DE6 608	33.00	26.70	100208574
3 x 70 + 3 x 10	5DE6 610	37.00	30.60	100209510
3 x 95 + 3 x 16	5DE6 611	42.00	35.10	100209202
3 x 120 + 3 x 16	5DE6 612	46.50	39.60	100209598
3 x 150 + 3 x 25	5DE6 613	51.50	44.30	100209276
3 x 185 + 3 x 35	5DE6 614	57.00	48.90	100210042
3 x 240 + 3 x 42.5	5DE6 615	64.50	55.80	100200893

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Connection thread / length	Sealing range		Screen diameter range		Lock nut part No.
	mm	Max	Min	Max	Min
M 25 x 1.5	14.00	10.00	13.50	8.00	100204211
M 25 x 1.5	14.00	10.00	13.50	8.00	100204211
M 25 x 1.5	18.00	14.00	16.50	9.50	100204211
M 25 x 1.5	20.00	17.00	17.50	12.50	100204211
M 25 x 1.5	20.00	17.00	17.50	12.50	100204211
M 32 x 1.5	23.00	19.00	21.00	15.00	100206391
M 32 x 1.5	26.00	22.00	21.00	15.00	100206391
M 20 x 1.5	11.00	8.00	8.50	4.00	100203808
M 25 x 1.5	14.00	10.00	11.50	6.50	100204211
M 25 x 1.5	18.00	14.00	16.50	9.50	100204211
M 25 x 1.5	18.00	14.00	16.50	9.50	100204211
M 25 x 1.5	20.00	17.00	17.50	12.50	100204211
M 32 x 1.5	23.00	19.00	21.00	15.00	100206391
M 32 x 1.5	26.00	22.00	21.00	15.00	100206391
M 40 x 1.5	29.00	25.00	25.00	22.00	100207739
M 40 x 1.5	35.00	30.00	30.50	24.00	100207739
M 50 x 1.5	41.00	37.00	33.00	29.00	100209917
M 63 x 1.5	45.00	40.00	42.00	34.00	100210718
M 63 x 1.5	51.00	45.00	48.00	40.00	100210718
M 75 x 1.5	55.00	51.00	48.00	42.00	100210735
M 75 x 1.5	58.00	54.00	54.00	47.00	100211073
M 80 x 2.0	70.00	63.00	56.00	47.00	100200894