

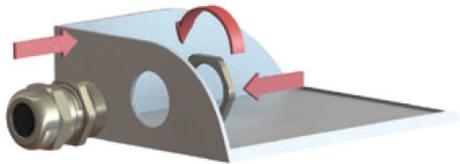


EMC CABLE GLANDS INSTALLATION GUIDE

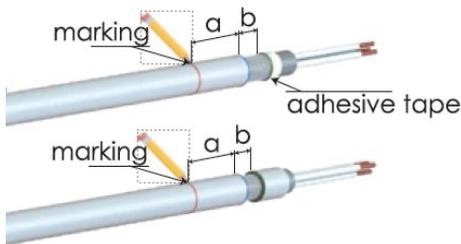
● CABLE GLAND TYPE EMC 2

In order to avoid electromagnetic interference, EMC cable glands include a special EMC component that enlarges the contact with the cable shield. Assembly must be done by trained people only. Under clamping pressure, the outer sheath of a cable can shrink. We recommend choosing cable glands in which the lower clamping range is sufficiently smaller than the cable's outer dimension.

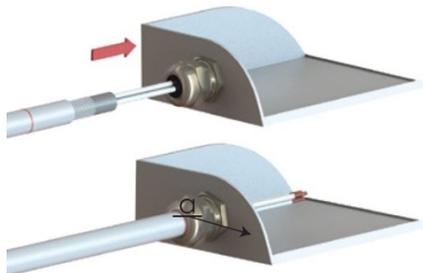
- 1. Install cable gland to the enclosure with the indicated "torque body". In order to increase contact quality, EMC locknut utilization is recommended.



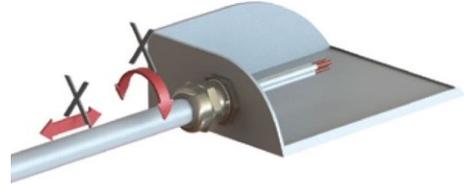
- 2. A. Remove the outer sheath of the cable carefully and don't cut into the shielding (braiding).
B. Use adhesive tape (preferred: adhesive copper band with conductive adhesive) or part of the outer sheath to protect the end part of the wires. See diagram below.
C. For required exposed length of shielding "b", please see diagram and table below.
D. Mark dimension "a" on outer sheath accordingly. See table.



- 3. Insert cable into cable gland until marking "a" aligns with cap. EMC component will contact shielding .



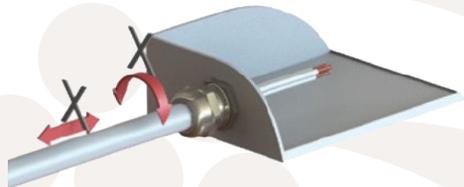
- 4. Do not pull or rotate cable after insertion. In doing so, cable gland and shielding will be damaged.



- 5. Tighten and torque cap.



- 6. Do not pull or rotate cable after cap has been tightened. It will damage cable gland and shielding.



CLAMPING RANGE MIN-MAX (mm)	SHIELD DIAMETER MIN-MAX (mm)	MARKING a (mm)	EXPOSED SHIELD b (mm)
3,0 - 6,5	2,5 - 4,5	15,0	12,5
4,0 - 8,0	3,0 - 6,0	18,0	11,0
4,5 - 10,0	4,0 - 8,0	19,0	13,0
5,0 - 10,0		18,5	12,50
6,0 - 12,0	5,0 - 10,0	20,5	13,5
10,0 - 14,0	8,5 - 11,5	24,0	15,0
13,0 - 18,0	11,0 - 14,0	29,0	16,5
18,0 - 25,0	16,0 - 20,0	35,0	21,0
22,0 - 32,0	20,0 - 27,0	32,0	23,0
27,0 - 44,0	28,0 - 34,0	34,0	32,5
34,0 - 44,0	31,0 - 40,0		

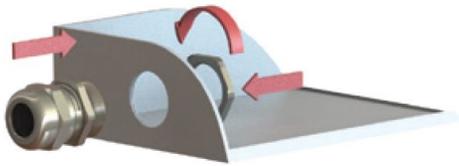
EMC CABLE GLANDS

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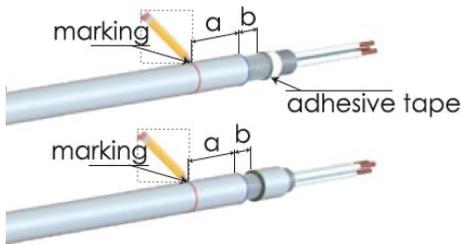
● CABLE GLAND TYPE EMC 3

In order to avoid electromagnetic interference, EMC cable glands include a special EMC component that enlarges the contact with the cable shield. Assembly must be done by trained people only. Under clamping pressure, the outer sheath of a cable can shrink. We recommend choosing cable glands in which the lower clamping range is sufficiently smaller than the cable's outer dimension. The shield diameter must fit.

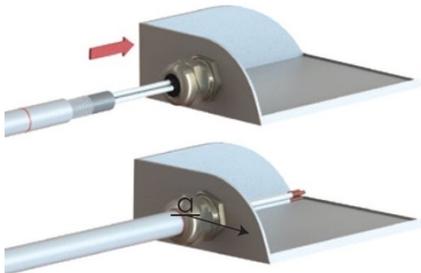
1. Install cable gland to the enclosure with the indicated "torque body". In order to increase contact quality, EMC locknut utilization is recommended.



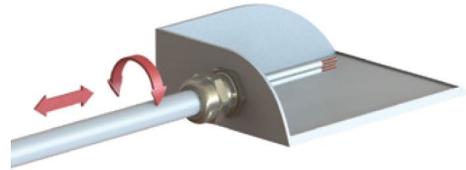
2. A. Remove the outer sheath of the cable carefully and don't cut into the shielding (braiding).
 B. Use adhesive tape (preferred: adhesive copper band with conductive adhesive) or part of the outer sheath to protect the end part of the wires. See diagram below.
 C. For required exposed length of shielding "b", please see diagram and table below.
 D. Mark dimension "a" on outer sheath accordingly. See table.



3. Insert cable into conductive cable gland until marking "a" aligns with cap.



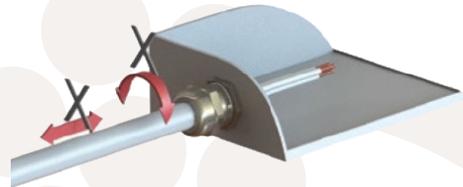
4. Do not pull or rotate cable after insertion if no adhesive copper tape is used (2b). Otherwise, cable gland and shielding could be damaged.



5. Tighten and torque cap. EMC component will contact shielding.



6. Do not pull or rotate cable after cap has been tightened. It will damage cable gland and shielding.



CLAMPING RANGE MIN-MAX (mm)	SHIELD DIAMETER MIN-MAX (mm)	MARKING a (mm)	EXPOSED SHIELD b (mm)
3,0 - 6,5	2,5 - 4,5	15,0	12,5
5,0 - 10,0	4,0 - 8,0	18,5	17,0
6,0 - 12,0	5,0 - 10,0	18,5	17,0
11,0 - 17,0	9,5 - 15,0	21,0	19,0
15,0 - 21,0	13,5 - 19,0	27,0	19,0
19,0 - 28,0	17,0 - 25,0	32,0	22,0
27,0 - 38,0	25,0 - 35,0	32,5	30,0
34,0 - 44,0	31,0 - 41,0	34,0	36,0

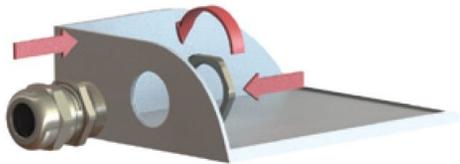
EMC CABLE GLANDS

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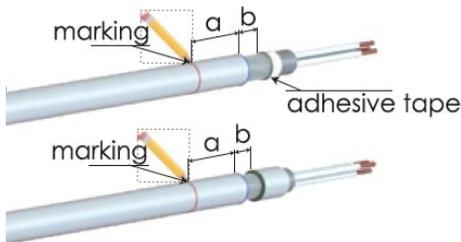
● CABLE GLAND TYPE EMC 4

In order to avoid electromagnetic interference, EMC cable glands include a special EMC component that enlarges the contact with the cable shield. Assembly must be done by trained people only. Under clamping pressure, the outer sheath of a cable can shrink. We recommend choosing cable glands in which the lower clamping range is sufficiently smaller than the cable's outer dimension. The shield diameter must fit.

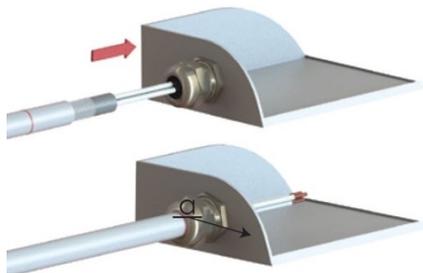
1. Install cable gland to the enclosure with the indicated "torque body". In order to increase contact quality, EMC locknut utilization is recommended.



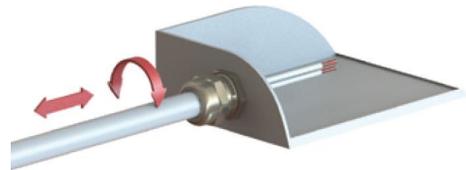
2. A. Remove the outer sheath of the cable carefully and don't cut into the shielding (braiding).
 B. Use adhesive tape (preferred: adhesive copper band with conductive adhesive) or part of the outer sheath to protect the end part of the wires. See diagram below.
 C. For required exposed length of shielding "b", please see diagram and table below.
 D. Mark dimension "a" on outer sheath accordingly. See table.



3. Insert cable into cable gland until marking "a" aligns with cap.



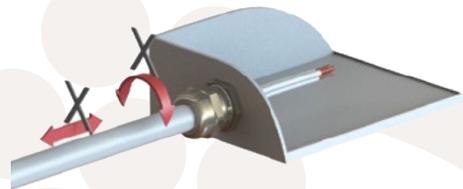
4. As long as the cap is not tightened, you can easily pull, push, or rotate the cable.



5. Tighten and torque cap. EMC component will contact shielding.



6. Do not pull or rotate cable after cap has been tightened. It will damage cable gland and shielding.



CLAMPING RANGE MIN-MAX (mm)	SHIELD DIAMETER MIN-MAX (mm)	MARKING a (mm)	EXPOSED SHIELD b (mm)
3,0 - 6,5	2,0 - 5,0	10,5	14,0
5,0 - 10,0	3,5 - 8,0	15,0	14,0
6,0 - 12,0	4,5 - 10,0	14,0	19,0
7,5 - 14,0	5,5 - 11,5	15,0	19,0
10,0 - 18,0	7,0 - 14,0	19,0	20,0
16,0 - 25,0	12,0 - 20,0	21,0	26,0
22,0 - 32,0	18,0 - 27,0	26,0	28,0
30,0 - 38,0	26,0 - 34,0	26,0	40,0
34,0 - 44,0	30,0 - 40,0	27,5	35,0
37,0 - 53,0	33,0 - 49,0	31,0	35,0