

Cable Kit ASKD02-T

Supplementary sheet

Variant: flipConnect®



Mounting instructions

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Revision history

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0	04.02 2026	S.Heinz	Compilation of the document	

1 Content of the Cable Kit



Abb. 1.1 – Content of the Cable Kit

- ✓ ASKD02-T System Cable Digital (a)
- ✓ 1 x Ex e/d ADE4F M25x1.5 (b)
- ✓ 5 ml Loctite threadlock (c)
- ✓ 2 x CAT6 RJ45 industrial plug pro (d)
- ✓ 40 cm shrinking tube green-yellow 3.2mm (e)
- ✓ 5 cm shrinking tube black 12.7mm (e)
- ✓ 1 x flat gasket EATON M25 (f)
- ✓ 1 x wire end ferrule
- ✓ 1 x documentation

2 Field Connection (Ex-d)

2.1 Technical Data of the Cable Gland

Manufacturer: COOPER CAPRI SAS, 36-40 rue d. Fontenils, 41600 Nouan-le-Fuzelier, FRANCE

Type: ADE-4F, M25x1,5, Kappe Nr. 6

Manufacturer Article Number: CAP846774 V1

Device labeling according to Directive 2014/34/EU:

Ex II 2 GD / Ex db IIC / Ex eb IIC / Ex tb IIIC / Ex IM2 / Ex db I / Ex eb I

Protection class according to EN 60529: IP 66/68 (10bar)

Permissible ambient temperature: ADE 1/4/5... -60°C...+140°C

EC type-examination certificate: INERIS 12 ATEX 0032X

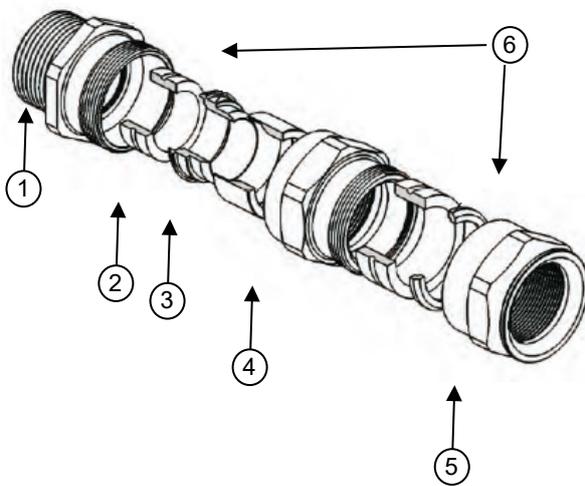
IECEX type examination certificate: IECEX INE 12.0025x

Thread: M25x1,5

ADE-4F - for armoured cable
Hazardous area cable glands



Figure 2.1 – Cable Gland



1. Screw Connection 1 Insertion component
2. Removable cone
3. Clamp ring
4. Corpus
5. Outer sealing nut
6. Screw Connection 2 Insertion component

Figure 2.2 – Structure of the Cable Gland ADE4F

For more detailed information on the approval, please refer to:

[KLE ADE Usermanual and EU Declaration of Conformity](#)

<https://www.samcon.eu/fileadmin/documents/de/60-Montage%26Installation/KLE-ADE-Betriebsanleitung.pdf>



[KLE ADE ATEX](#)

<https://www.samcon.eu/fileadmin/documents/de/60-Montage%26Installation/KLE-ADE-12ATEX0032X.pdf>



2.2 Insertion the Cable Gland

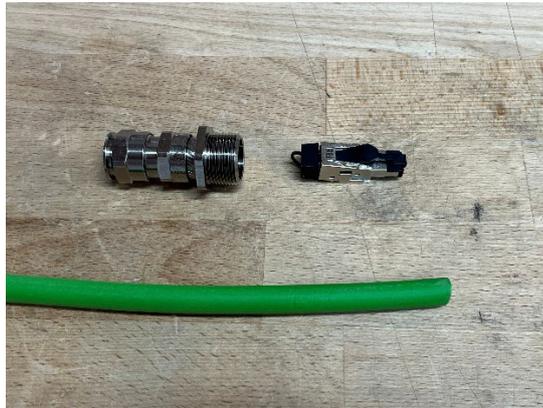


Figure 2.3 – RJ45, Cable Gland ADE4F, ASKD02-T

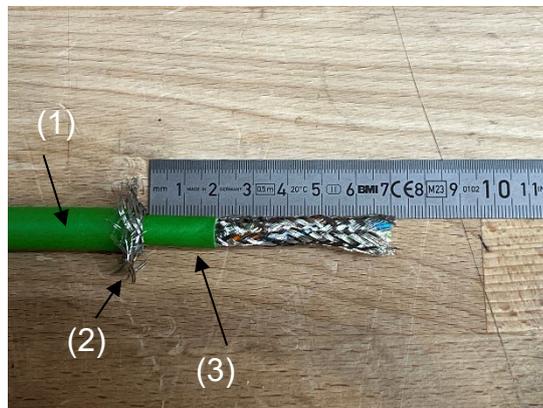


Figure 2.4 – ASKD02-T

Remove the wire sheath (green jacket):

7 cm of the outer sealing jacket (1), 6 cm of the steel braid (2) and 5 cm of the inner sealing jacket (3).

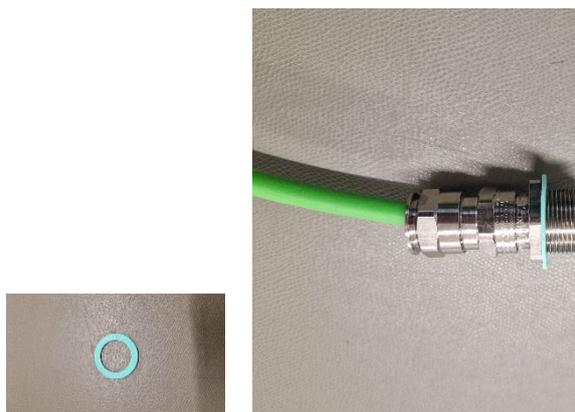


Figure 2.5 – Cable Gland ADE4F and flat gasket on ASKD02-T

The Cable Gland (Ex e/d ADE4F M25x1.5), as well as the enclosed flat gasket must be routed via the ASKD02-T before the RJ45 plug is fitted (the plug cannot be fed through!). The RJ45 plug is then installed.

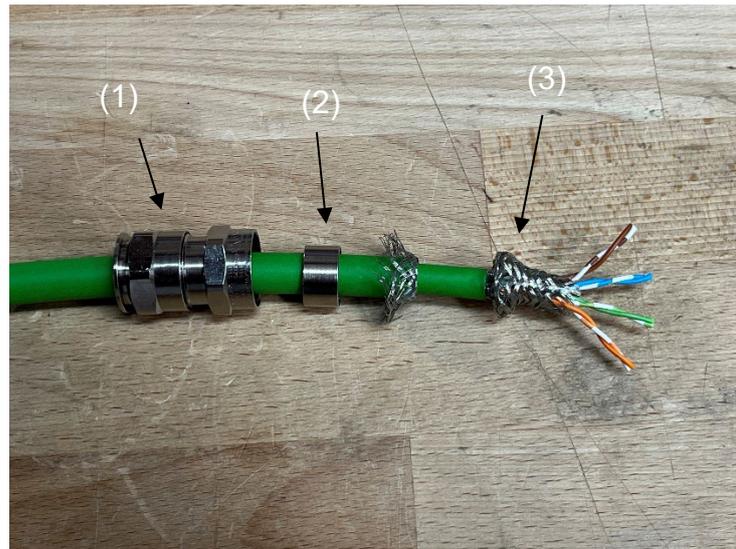


Figure 2.6 – Cable Gland on ASKD02-T

Screw the insertion component (1) and the cone (2) of the cable entry (Ex e/d ADE4F M25x1.5) over the armouring.

Push the braided shield (3) back over the inner sealing jacket. Remove the blank shielding wire, the twisted pair foil and the transparent shielding foil.

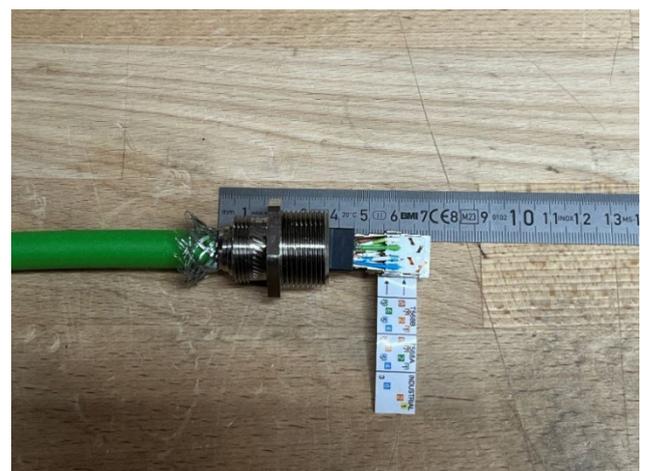
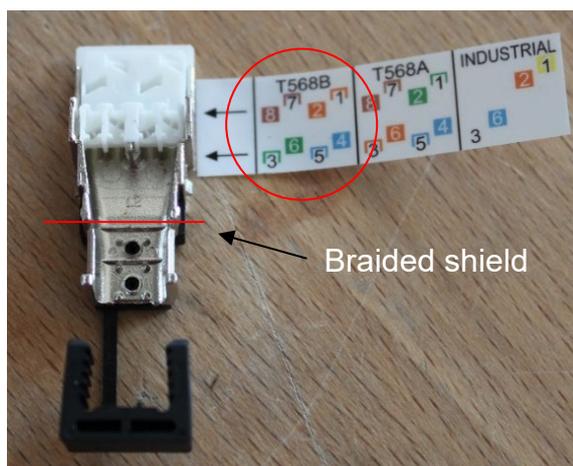


Figure 2.7 – Connecting the RJ45 plug

Use the braided shield up to the mark after application.



With a gripper, press together the plug until it snaps.

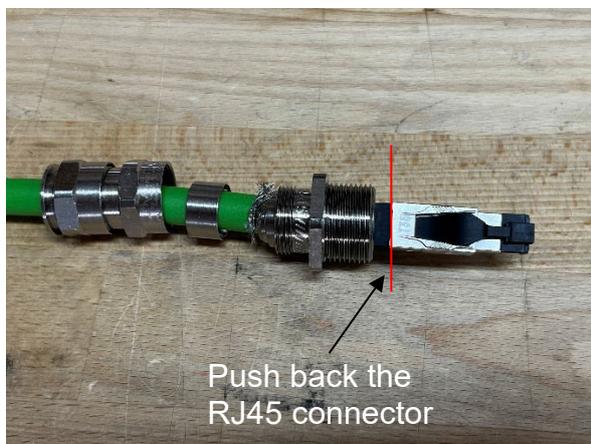


Figure 2.8 – RJ45 in Cable gland



Attention! Push the RJ45 connector back into the cable gland entry until the black strain relief disappears.

Detailed instructions on how to connect a RJ45 plug are available in our video tutorial: “SAMCON 03 Mounting and installing the RJ45 jack to SAMCON cables”

<https://go.samcon.eu/v03>





Figure 2.9 – Loctite on the insertion component

Insert the prepared cable with the RJ45 plug into the flipConnect® entry.



Attention! The flipConnect® can only be finally locked into place by screwing the cable entry in place!

Apply Loctite to the screw connection of the insertion component and tighten it with a torque wrench (30Nm).

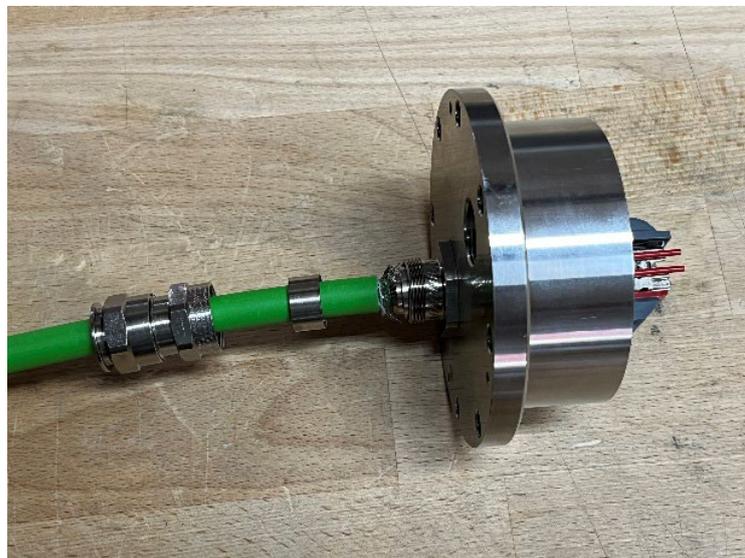


Figure 2.10 – Screw connection on the insertion component



Figure 2.11 – Loctite on the outer sealing nut

Apply Loctite to the screw connection (cap no. 6) of the outer sealing nut and tighten it with a torque wrench (20Nm).



Figure 2.12 – Screw connection on the outer sealing nut

We show the procedures of electrical connection via flipConnect in the following Video-Tutorial: “Plug & Play Cable Connection via flipConnect”

<https://go.samcon.eu/flipconnect>





Attention!

The electrical connection of the equipment must be executed by qualified personnel only!



Attention!

Please observe the national regulations regarding security, installation, and accident prevention (e.g. IEC 60079-14)!



Attention!

When stripping the isolation, no inner cores must be damaged!



Attention!

IEC/EN 60079-14 and all national and system-specific requirements must be complied with when connecting into the safe area!



Attention!

No measures are necessary to prevent zone entrainment through the cable. The cable meets the requirements for cables in hazardous areas to avoid inter-zone gas-transfer.



Attention!

Avoid damage to the cable sheath!

3 Cabinet Connection

Please refer to the installation instructions for the opposite side in the CableKit.

4 Support / Contact

If you have any questions or need our support, please contact us:

Mail: support@samcon.eu

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