MegaLine® Connect45 Pro RJ45-jack for field termination, Category 6A
Mounting instruction

KERPEN DATACOM

Package contents / scope of delivery
RG45-jack for field termination Cat. 6A with copper tape and dust protection cap.

Connectors capable for wire-dimensions:
- AWG 22/1 up to 26/1 (solid horizontal cable)
- AWG 23/7 up to 26/7 (flexible cable)

1

Required tools:
- suitable stripping tool
- electronic side cutter

2
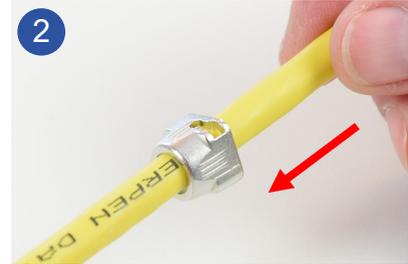
Slide the closure cap over the open end of the cable as shown (square side facing outward).

3
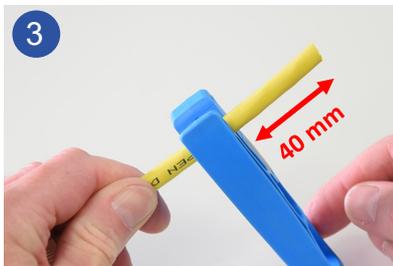
40 mm

Using an appropriate stripping tool, remove approximately 40 mm of the cable jacket from the data cable.

4

Push the cable braid back over the outer cable sheath.

5
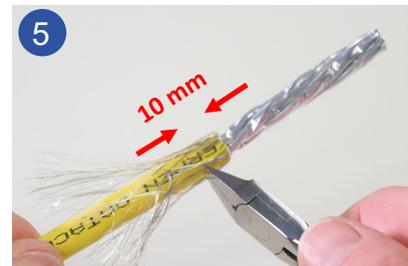
10 mm

Use an electronic side cutter to cut the cable braid around the outer sheath down to 10 mm.

6

Detach the paper strip from the adhesive side of the copper tape.

7
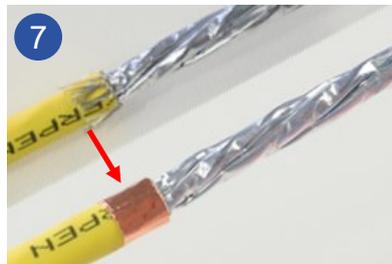
Wrap the copper foil around the braid once, snugly against the cable jacket.

Ensure that the copper foil aligns flush with the end of the cable jacket

8

Wire manager   TIA 568 A   TIA 568 B
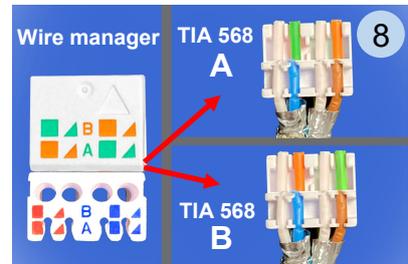
Select the intended coding of the pin assignment according to TIA 568 A or B.

Make sure that the assignment is the same on both sides of the cable.

9

Cross out a maximum of two pairs of wires per cable end against each other in order to connect the selected coding to the wire manager (Fig. 8).

10
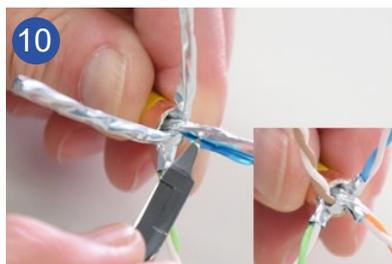
Cut all pair-shield tapes with a side cutter down to 5 mm.

Make sure that all tapes remain closed.

11
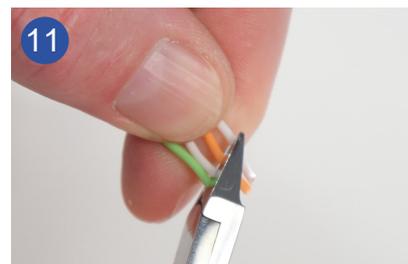
Cut the orange and green wire pairs at an angle and insert the wire pairs into the four holes in the wire manager according to the color coding (Fig. 8).

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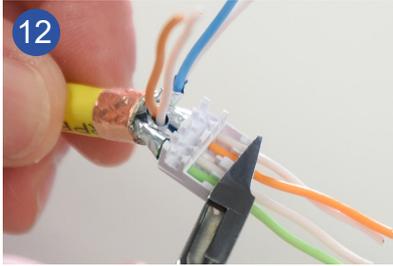
12

Slide the wire manager flush with the pair screen tapes and then cut the protruding wires flush with the wire manager.

(The illustration shows an assignment according to TIA 568 B)
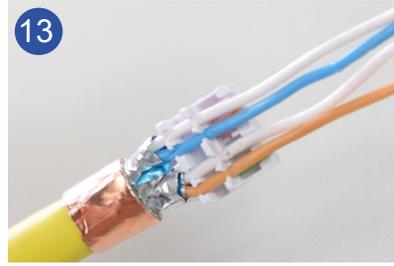

13

Verify the color coding and insert the blue and brown wire pairs into the guides on the wire manager according to the color designation.

(The illustration shows a configuration following TIA 568-B.)
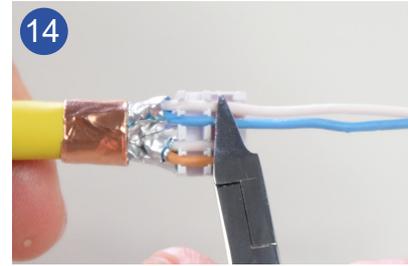
14

Trim the protruding wires flush with the wire manager.
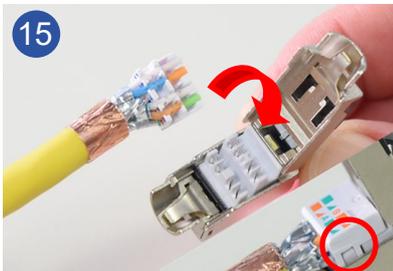
15

Insert the wire manager with the open side facing upward into the groove and tongue guide on the connector housing.
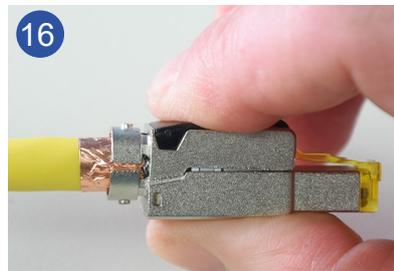

16

Closing the housing cover will crimp the wire manager, automatically making contact between the wires and the piercing contacts in the connector housing.
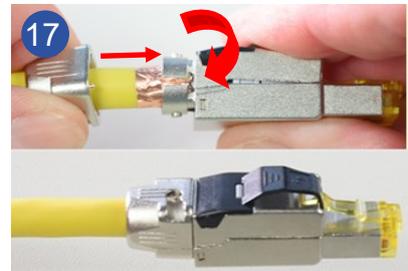
17

Slide the closure cap into the bayonet lock on the connector housing.

Lock the housing by rotating the closure cap 45° clockwise.

Product view

Dust protection cap is scope of delivery

Mounting instruction

Installation instruction
Montageanleitung
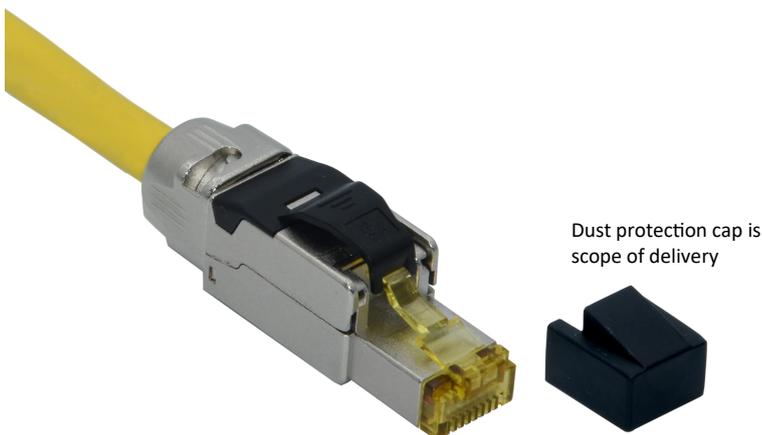
www.kerpen-data.com/fieldtermination-service/

Installation videos and further information about the product, accessories and our solutions.

Dimensions: 13.9 x 17.9 x 50.4 mm (W x H x D)