

Instructions for mounting a connector 9054

9054

The correct mounting of 9054 connector on a coaxial cable is crucial for a measurement of high accuracy.

- The electrical connection is perfectly realized through a special low noise cable (ref. 9060 or 9061)
- Optimal insulation must be insured between the central wire and the shield, especially in a humid environment.

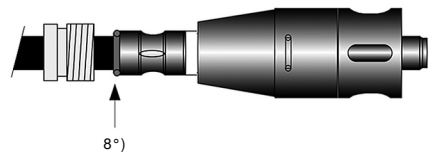
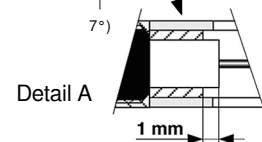
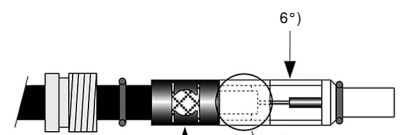
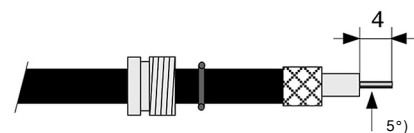
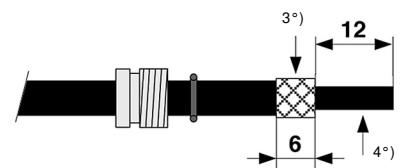
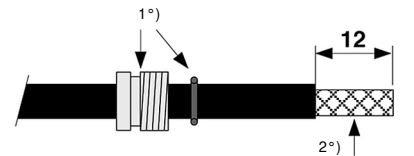
Note: A defective insulation (or a short circuit) causes an indication of pH 7.

Preparing the 9060 Cable

- 1/ Slide the white nut and the o-ring onto the cable
- 2/ Remove the outer insulation by 12 mm
- 3/ Fold back the shield (copper mesh), trim it, leaving 6 mm for electrical contact
- 4/ Remove the black layer by 12 mm (it is a magnetic insulator, it should never be in contact with the central wire)
- 5/ Trim back the inner insulation in order to expose 4 mm of central wire
- 6/ Tin the core of the connector, then present it facing the central wire of the cable and deposit a good quality tin solder, to ensure the best connection
- 7/ Clamp with pliers to block the shield

Detail A: To preserve the insulation of the central wire and avoid conductivity trouble (linked to humidity), the white insulator must imperatively be visible over a length of 1 mm.

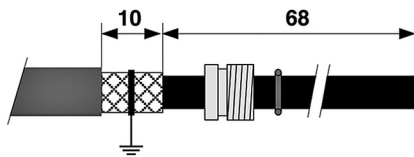
- 8/ Place the O-ring seal as indicated (none of the shield wires may protude), then close the connector.



Preparing the 9061 Tri-axial cable

This cable has additional shield and sheath; These two elements must remain outside the connector; The external shield must be connected to ground on the pH meter side.

The other layers of this cable must be prepared and connected in the same way as those of cable 9060 (Steps 1 to 8).



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15-10-2021

M-160.01-EN-AA

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