

9054 pH connector Mounting instruction

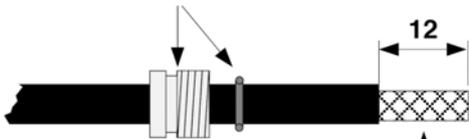
A good care installing the cable and connectors is a warranty for a long life and reliable service of your pH system monitoring. Please respect all steps.

The specific cables 9060 (coaxial) and 9061 (tri-axial) for pH or ORP measurements have a high insulation resistance. This means all the system needs a high electric isolation between the centre wire and the shield; any humidity presence will disqualify the measurement.

Please note that a short circuit will induce a display of pH 7 (potential 0 mV).

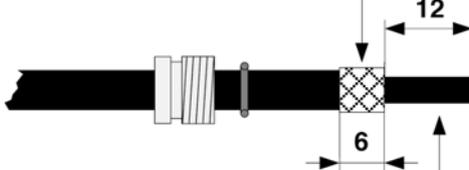
9060 coaxial cable preparation

1) Slide the white threaded nut and the o-ring onto the cable.

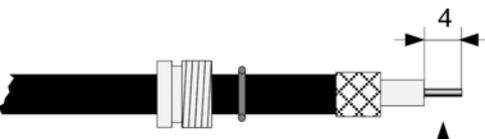


2) Remove the outer insulation by 12 mm.

3) Fold back the shield (copper mesh), trim it, leaving 6 mm for electrical contact.

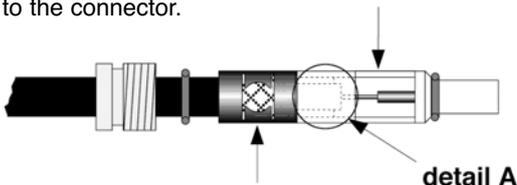


4) Remove the black layer by 12 mm (it is a magnetic insulator, it should never be in contact with the internal connector).



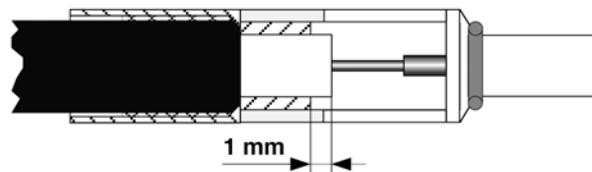
5) Trim back the inner insulation in order to expose 4 mm of core copper wire.

6) Apply solder on the core wire and solder it to the connector.



7) To insure a high insulation resistance and prevent problems due to humidity, it is necessary to leave 1 mm of the inner insulation visible.

Detail A



To assure a high insulation resistance and prevent troubles due to humidity, it is necessary to let 1 mm of the inner insulation visible.



8) Set up the o-ring: no mesh from the shield should be visible. Screw the white thread nut on to the connector housing.

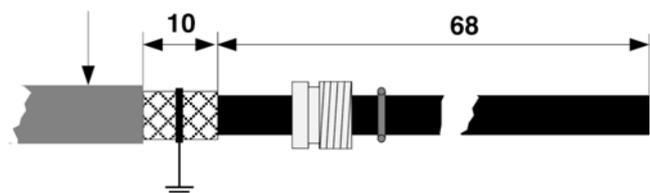
9061 tri-axial cable preparation

Prepare this cable as above.

The difference between 9060 and 9061 is a supplementary shield with an external insulation.

They should keep outside the connector.

The external shield should be connected to ground by side the pH metre.



BAMO MESURES

22, Rue de la Voie des Bans - Z.I. de la Gare - 95100 ARGENTEUIL

Tél : (+33) 01 30 25 83 20 - Web : www.bamo.fr

Fax : (+33) 01 34 10 16 05 - E-mail : info@bamo.fr

**9054
pH Connector**

28-07-2008

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