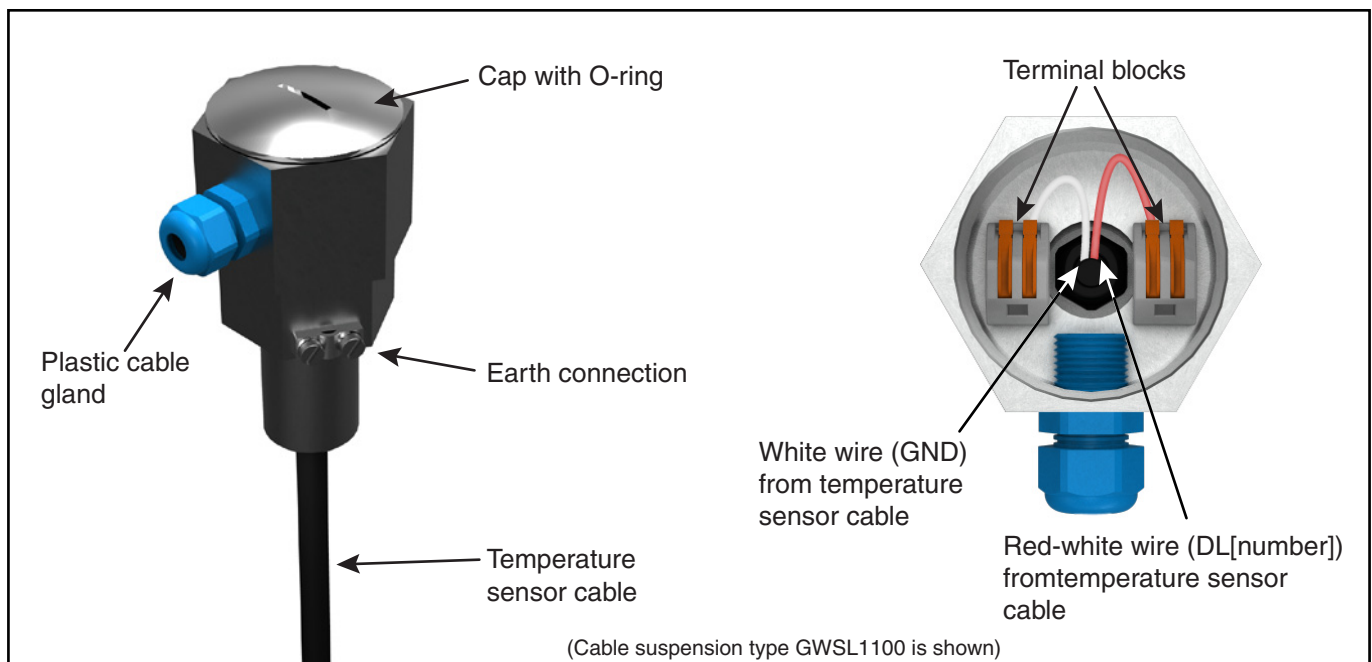


1. Component overview and description of the temperature sensor cable

The cable suspension allows the temperature sensor cable to be mounted in the ceiling or on the roof of concrete silos and steel bins, in hooks, floor moulds or pipe sockets. The temperature sensor cable is connected to the screened 2-wire cable from the GWNET11 via two cables inside the cable suspension, which in turn sends the measurement values to the GWAB11 communication module.

Suitable tools: wire stripper, cable cutter, 15 and 19 mm spanners/wrenches, 3 mm hex key/Allen key, large and small flat-tip screwdrivers, sharp knife and a flashlight.



ATTENTION

All cabling (from temperature sensor cable to GWAB11) must be done according to the standards for intrinsically safe systems.

Store the temperature sensor cables in a dry place before they are installed. Moisture may otherwise enter through the open lid or cable entry.

The power must always be turned off before you do any work on wiring or components.

Follow the color coding on the cables during installation (White = GND, red-white or brown = DL/DNET). *The system will not work if the polarity is switched.*

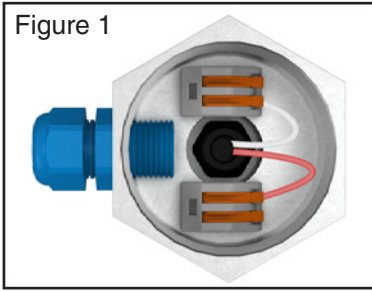
The screen of the 2-wire cable to the GWNET11 must *not* be connected to the ground connection of the cable suspension.

The cable suspension must be grounded in the earth connection with 4 mm² or 2 x 1.5 mm² wire.

Be sure to use enough cable between the temperature sensor cable and GWNET11. Leave enough cable so the temperature sensor cable can move freely.

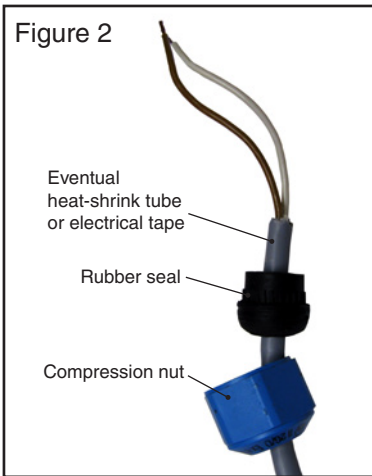
2. Connecting the screened 2-wire cable to the temperature sensor cable

Figure 1



Remove the cap on the temperature sensor cable suspension, according to *Figure 1*.

Figure 2

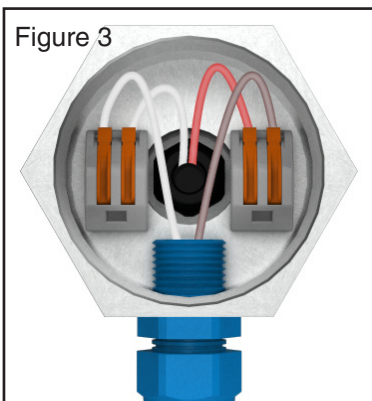


Strip off circa 50 mm (2") of the cable outer sheath. Carefully remove the braided screen, plastic foil and cotton thread. Remove as much as possible of the braided screen. *The screen and surrounding conductive components must withstand a dielectric strength test of 500 volts.* Heat-shrink tubing (or electrical tape) is not necessary if the outer sheet of the cable does not protrude outside the gland.

Remove the compression nut and rubber seal on the cable gland. Thread the cable through the compression nut and rubber seal, according to *Figure 2*.

Strip the two inner conductors circa 10 mm (3/8").

Figure 3



Insulate the screen ends by making sure the outer cable sheet does protrude from the (insulating) plastic cable gland, according to *Figure 3*. Otherwise, heat-shrink tubing or electrical tape must be used.

Fasten the compression nut tightly.

Connect the wires in the terminal blocks:

White to white = GND

Brown to red-white = DL[number]

Figure 4



Screw cable suspension cap back on. Make sure the O-ring sits in its groove on the base of the cap, according to *Figure 4*. Tighten the cap until you feel that the O-ring closes between the cap and cable suspension.

Tighten the cap with a torque of 20 Nm.