

Communication Cables


Article no. series 11.11.48.00 - 11.11.48.08

DDC optical 1-eye PUR cable for Mini/Micro/Cera/CTD- en Baro-Divers, length 1 up to and including 200 m. Suitable for monitoring wells from 1 inch. Connector on the Diver side is IP- 68 (prolonged submersion at 10 bar), the contra plug (= TOP connector) is IP-67 (temporary submersion 30 min. @1 mH₂O) with properly mounted protective cap. 2 years guarantee, when properly used.


Article no. series 11.11.50.01 - 11.11.53.00

MDC optical 1-eye PUR cable for Mini/Micro/Cera/CTD Divers, length 1 m up to and including 300 m, with connection to Diver-DXT/ monitoring well/ Global Data Transmitter Multiple. Suitable for monitoring wells from 1 inch. Connector on the Diver side is IP-68 (prolonged submersion at 10 bar), the contra plug (= straight M12 connection) is IP-67 (temporary submersion 30 min. @1 mH₂O) when correctly mounted to DXT or with screwed cap. 2 years guarantee, when properly used.


Article no. series 11.32.60.01 - 11.32.62.00

GDT 1-eye PUR cable for connecting Divers to the Global Data Transmitter Multiple, length 1 up to and including 200 m. Connector on the Diver side is IP-68 (prolonged submersion at 10 bar), the contra plug (= squared M12 connector) is IP-67 (temporary submersion 30 min. @ 1 mH₂O) when correctly mounted to Global Data Transmitter Multiple or correctly mounted with screwed cap. Cable plug (art. 11.11.46.nn) is available for suspension in monitoring well. 2 years guarantee, when properly used.


Article no. series 11.32.70.01 - 11.32.72.00

GDT 2-eye PUR cable for connecting an e+ sensor to the Global Data Transmitter Multiple, length 1 up to and including 200 m. Connector on the e+ side is IP-68 (prolonged submersion at 10 bar), the contra plug (= squared M12 connector) is IP-67 (temporary submersion 0min.@1mH₂O) when correctly mounted to Global Data Transmitter Multiple or correctly mounted with screwed cap. 2 years guarantee, when properly used.


Article no. series 11.11.47.01

Communication cable to connect DDC-cable with PC, with moulded USB connector to PC.


Article no. series 11.11.47.02

Communication cable to connect DDC-cable with e+CONTROL or GDT- M, length 1.5m.


Article no. series 11.11.47.03

Communication cable to connect e-SENSE or MDC-CABLE WITH PC, WITH MOULDED USB CONNECTOR.

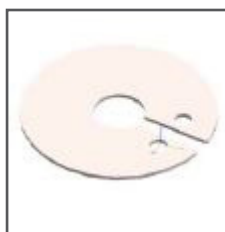
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Installation:

- Work clean! Prevent sand, dirt, etc. from coming into contact with parts that have to be installed, resulting in damage and/or leakages.
- Do not unnecessarily expose the cable to high temperatures and/or sunlight.
- The cable is only suitable for permanent diver load. Do not apply other load or expose it to temporary loads > 8 kg.
- Protect the cable sheath against damages at all times. A cut in the cable sheath or damage to the cable sheath may lead to leakage, in which case the guarantee expires. Prevent a cable chafing over a sharp edge of a monitoring well or other object, resulting in cuts. Make sure the cable hangs free, for example by using:



1111.11.46.02 - 11.11.46.12:
Stopper for installation of
Diver communication cable



11.46.20: Suspension Ø 65mm for
monitoring well modem cable
11.46.21: Suspension Ø 65mm for
top-connector

1. Remove the protective cap from the Diver or the e+ sensor.
2. Assemble the connector.
 - * Mount the optical 1-eye connector to the Diver by screwing the Diver straight onto the connector.
 - * Mount the optical 2-eye connector to the e+ sensor by aligning the connector to the e+ sensor with the alignment pin and securing it by tightening the connector nut.
3. Assembling the contra plug:
 - * Provide top connector with protective cap, tighten clockwise till hand-tight using thumb and index finger.
 - * Connect the M12 connector to Diver-DXT; 'monitoring well modem'; 'Global Data Transmitter' or provided with a protective cap. Tighten clockwise till hand-tight using thumb and index finger.
- Protect contra plugs against moisture! This especially is a point of interest when placing below ground level; placing in river forelands, etc.
4. You might mount a 'Diver cable plug' or a 'Suspension ring'; see illustration on page 1.

Maintenance / cleaning:

Under normal circumstances, cables generally do not require maintenance. In aggressive environments; when communication problems are identified; replacement or exchange of a Diver or e+ sensor; manually reading etc., maintenance/ cleaning may be necessary.

1. Before dismantling parts, clean a dirty cable assembly, if necessary. Use clean water, if required in combination with gentle soap and gentle devices.

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2. Inspect, insofar possible, the entire cable assembly for damages/ defects.
3. When dismantling the Diver/ e+ sensor/ installation cap or screw cap, a specific check of the connector is required.
 - Damages may lead to penetration of moisture or communication problems and irreparable damage.
 - If necessary, clean the connector at the Diver or e+ side with clean water, if required in combination with gentle soap and gentle devices.
 - Sand may cause scratches and irreparable damage. Scratches on the lenses (Diver and connector on the Diver side) may lead to communication problems; damage to the O-rings and/or to the inside of the plastic sensor connector may lead to leakage! In which case the guarantee expires.
 - Protect contra plugs (TOP connector/DXT connection/M12 connector) against moisture! Ensure that the protective caps are at all times mounted on the TOP connector and a DXT connection/M12 connector that are not connected.
4. Specific visual check of the O-rings:
These shall at all times be undamaged, clean and not porous
 - * Diver O-ring;
 - * If applicable, the TOP connector O-rings.
5. Replace the cable when damages or defects are permanent. Remarks:
 - * In exceptional cases it may occur that a cable sheath, in a heavily contaminated environment, swells or dissolves. In such situations there is no point in replacing them (you may choose another way of suspension).
 - * Should you have any questions, please contact our service department on 01428 661 660 or email service@vanwalt.com.