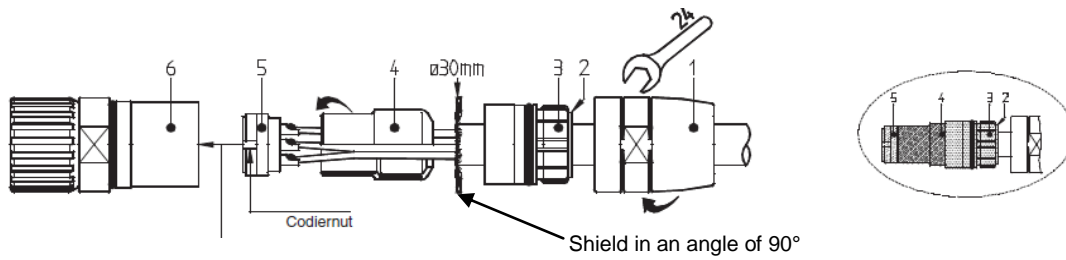


# Assembling and connection of the uSonic-3 Sci standard cable

## Assembling of the connector



- Fit adapter (1) und seal (2+3) on the cable
- Cut 30mm of outer isolation
- Shield in an angle of 90° to the cable and cut to 30mm
- Cut inside isolation and foil
- Cut isolation of wires 3,5mm, drill and tin
- Solder wires to the contacts (5)
- Fit distance tube (4)
- Fit contacts (5), distance tube (4) and seal (2+3) into sleeve (6). Have a look at the code slot (remove if necessary) of the contacts (5) and adjust/ fit the code slot to the code pin of the sleeve (6)
- Screw tightly adapter (1)

## Pin- assignment of the connector

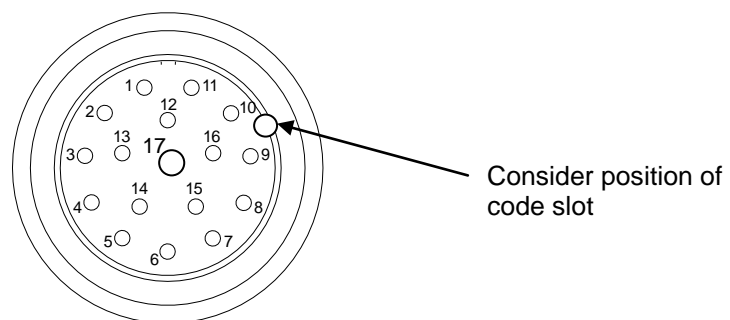


Illustration: Cable connector (female), view at contact sockets

**Data/Power cable 24VDC/RS422**

Coninvers cable connector 17 pol. Female Code Slot: Pin 9/10	Cable SUPER PAAR TRONIC C-PUR 5x2x0,5	Remark/Function
Pin	color	
1	WH	RS422 USA-1 RX+ / RS485 Bus +
2	BN	RS422 USA-1 RX- / RS485 Bus -
3	GN	RS422 USA-1 TX+ / RS485 Bus +
4	YE	RS422 USA-1 TX- / RS485 Bus -
5-8		not connected
9	GY	DC Power uSonic-3 GND Electronic
10	PK	DC Power uSonic-3 +24V Electronic
11	BU / BK	DC Power uSonic-3 GND Heater
12	RD / VT	DC Power uSonic-3 +24V Heater
13-17		not connected

**Remark:**

**At uSonic-3 without separated DC power electronic/heater (standard) the DC power electronic – heater is connected internally.**