OAG Optronic AG

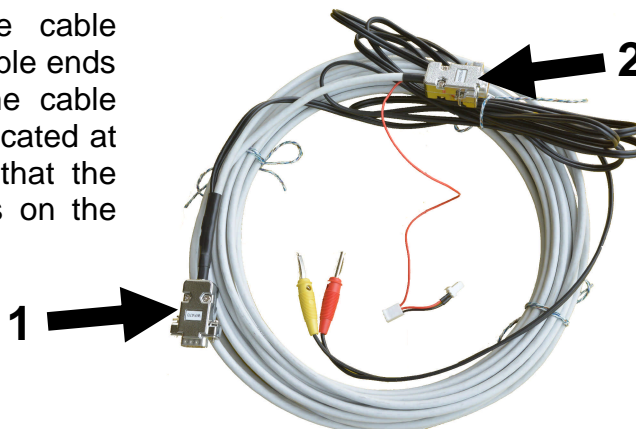# Active Video Cable For OP500 Monitor Unit FSU202

The optionally available active video cable is used to connect the FSU202 to a SIEMENS WF470. It enables good video quality, also with high electromagnetic disturbance near the installation.

The necessary electronics is integrated into the two plug housings. Power is supplied to the sender electronics at the WF470 over the power supply of the CNC D150. Therefore, a black double-pole cable is lead out of the plug housing, which has two banana plugs at the end, that must be connected to the power supply of the CNC D150. To supply power to the receiver electronics located at the FSU202, a red single-pole cable is led out of the plug housing. It has an adaptor plug at the end, that must be connected to the main circuit board of the FSU202.
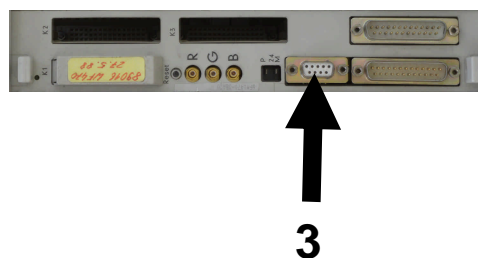
Proceed as follows to connect the cable:

1. If present, remove an already installed video cable. Therefore, unscrew and remove the plug at socket X6 of the WF470, and also the plug at the video socket of the FSU202. Inside the OP500, cut or unsolder the now on one side loose cable from the terminal block and remove it. Pull the long connection cable out of the cable channel und unscrew it from the terminal block.
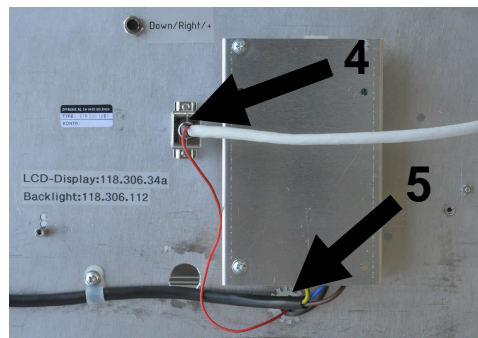
2. Feed the new cable into the cable channel. The two plugs at the cable ends are labeled. Make sure that the cable end labeled with WF470 (1) is located at the side of the controller, and that the one labeled with FSU202 (2) is on the side of the OP500.
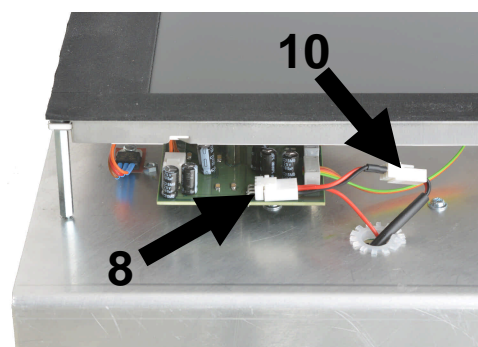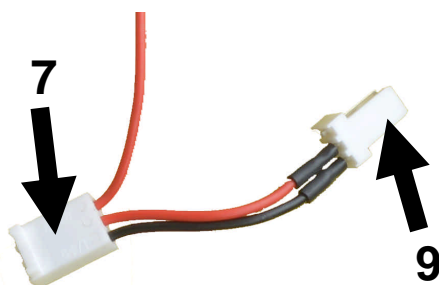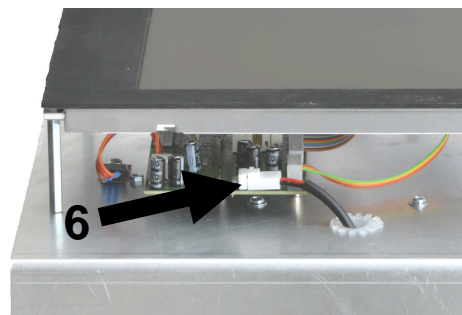

3. Mount and tighten the plug of the active video cable that is labeled with WF470 at socket X6 (3) of the WF470.

4. Mount and tighten the plug labeled with FSU202 at the video socket of the FSU202 (4). Lead the red single-pole cable through the hole below the power supply (5).

5. Pull the three-pin socket (6) from the main circuit board.
   Instead, connect the three-pin socket at the end of the red cable (7) to the main circuit board (8).
   Connect the three-pole plug (9) to the previously pulled three-pole socket (6) (10).

6. Plug the yellow banana plug into the yellow socket at the power supply of the CNC D150 (11).
   Plug the red banana plug into the red socket at the power supply of the CNC D150 (12).