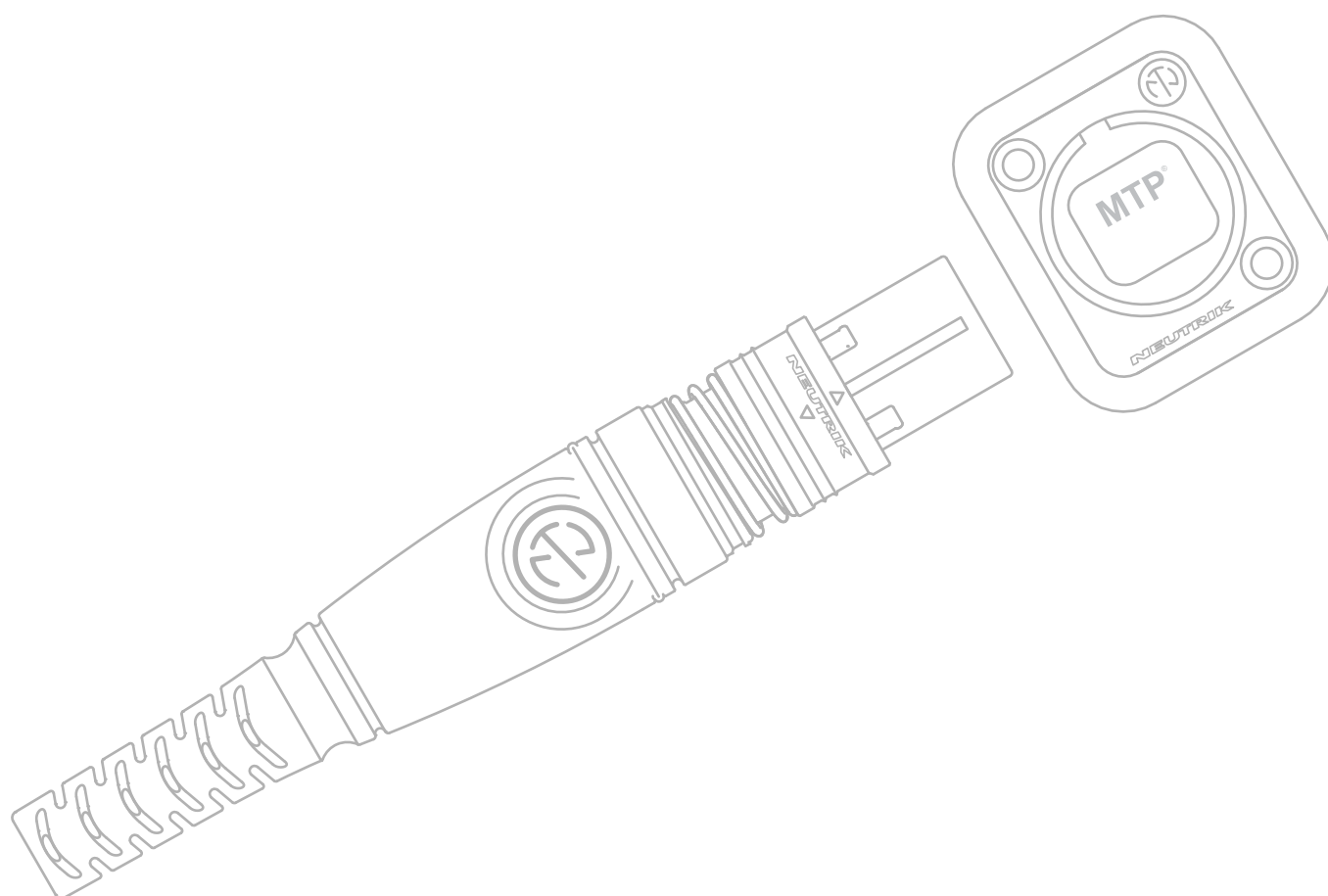




HANDLING INSTRUCTION

opticalCON® MTP® | Maintenance





CAUTION: Laser radiation, do not look directly into beam of light!

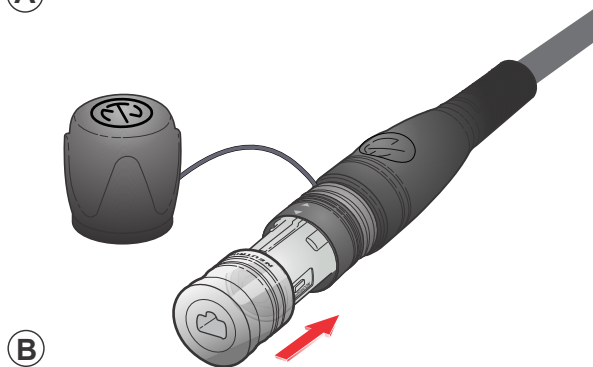
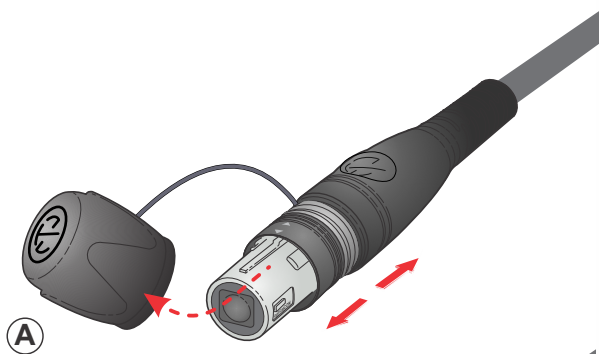
The sealing shutter mechanism of the opticalCON® avoids contamination of the MTP® ferrule locked inside. The dust-proof design reduces maintenance intervals to a minimum; if nevertheless necessary, follows the maintenance procedure below to avoid damages on the due to inproper cleaning.

A. Connector Cleaning / Inspection

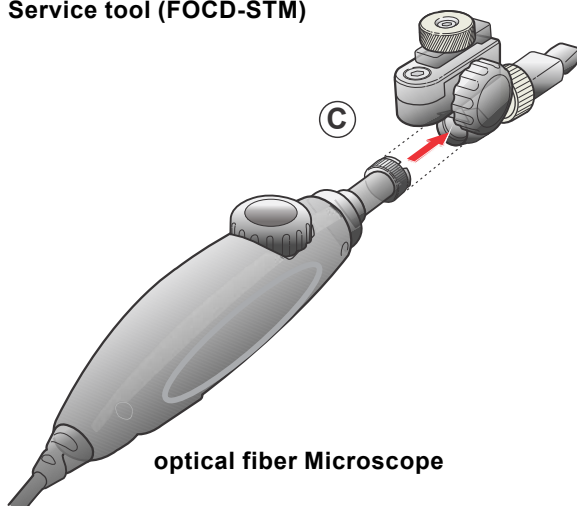
Intervall: every 500 matings recommended

Tools:

- NEUTRIK® MTP® service Tool (FOCD-STM)
- Dry Cleaner MPO/MTP® (FOCD-DCM)
- optical fiber video probe



Service tool (FOCD-STM)



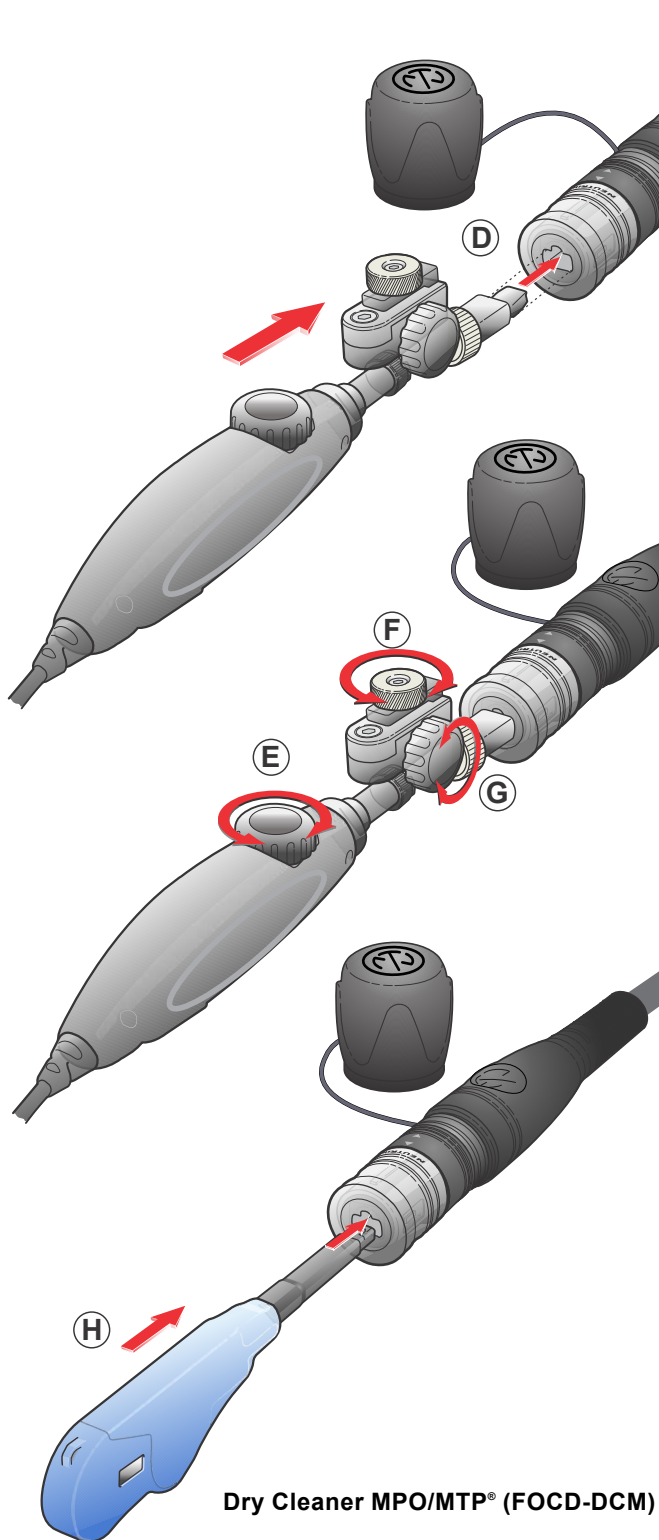
optical fiber Microscope

1. Disconnect both cable ends for safety reasons. Invisible laser radiation may be emitted from disconnected fibers or connectors. Do not stare into beams or view directly with optical instruments.

2. Remove dust cap from the connector (A) and mount NEUTRIK FOCD-STM inspection tool on it until it is locked (B).

3. Prepare the optical fiber video probe with the correlate singlemode or multimode tip (C). Under the following QR-code you can find a list with appropriate video probs and tips.





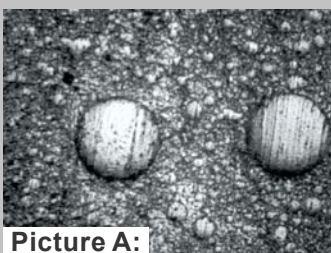
4. Insert the video probe tool into our NEUTRIK FOCD-ST service tool (D).

5. To inspect the MTP® ferrule surface focus the video probe by rotating the focus wheel (E) and to switch (F) or move to the next ferrule rotate the wheels on the tip (G).

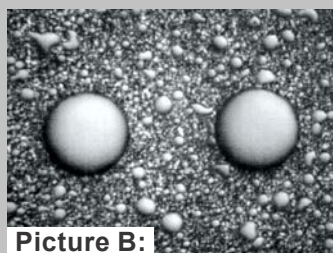
6. Clean the MTP® surface with the Dry Cleaner over the NEUTRIK MTP® service tool.

7. Push back and forth the dry cleaner to start the cleaning procedure (H). An endless lint free tape removes dust particle on the ferrule surface of the MTP® connector.

8. Check the condition of the MTP® ferrule surface again and if necessary repeat step 7.

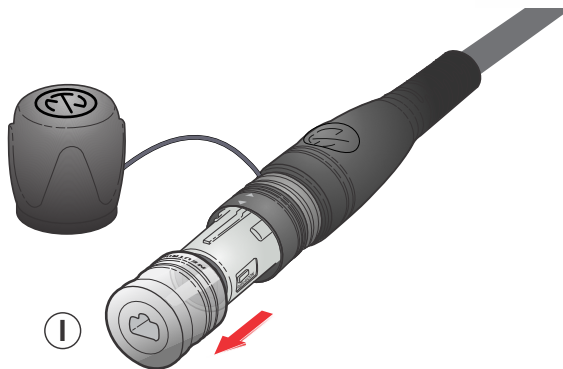


Picture A:



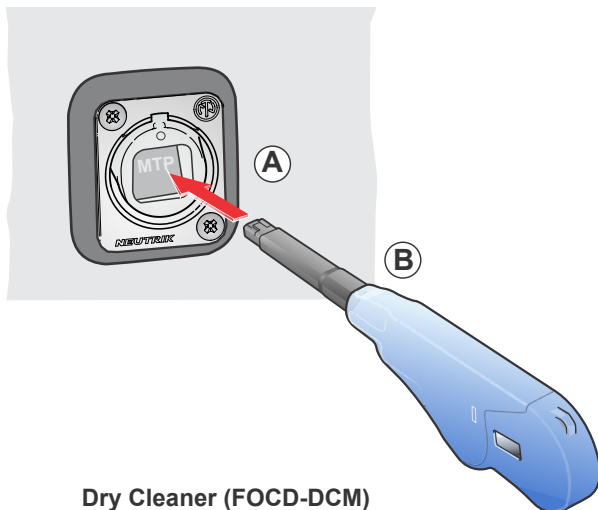
Picture B:

During inspection procedure, make sure that each ferrule is completely free of dust. As a reference the ferrule has to look as illustrated on Picture B.



9. After the cleaning procedure unlock the NEUTRIK inspection tool (I).

B. Chassis Cleaning



Dry Cleaner (FOCD-DCM)

Dry cleaning using FOCD-DCM

1. Remove dust cap and insert the tip of the dry cleaning cleaner.
2. Guide the tip to the dry cleaner into the chassis housing (A).
3. Push back and forth the dry cleaner to start the cleaning procedure (B). An endless lint free tape removes dust particle on the ferrule surface of the MTP® connector.
4. After cleaning procedure, remove dry cleaner and covers the tip with the dust cap.



Find more details of opticalCON on www.neutrik.com.

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