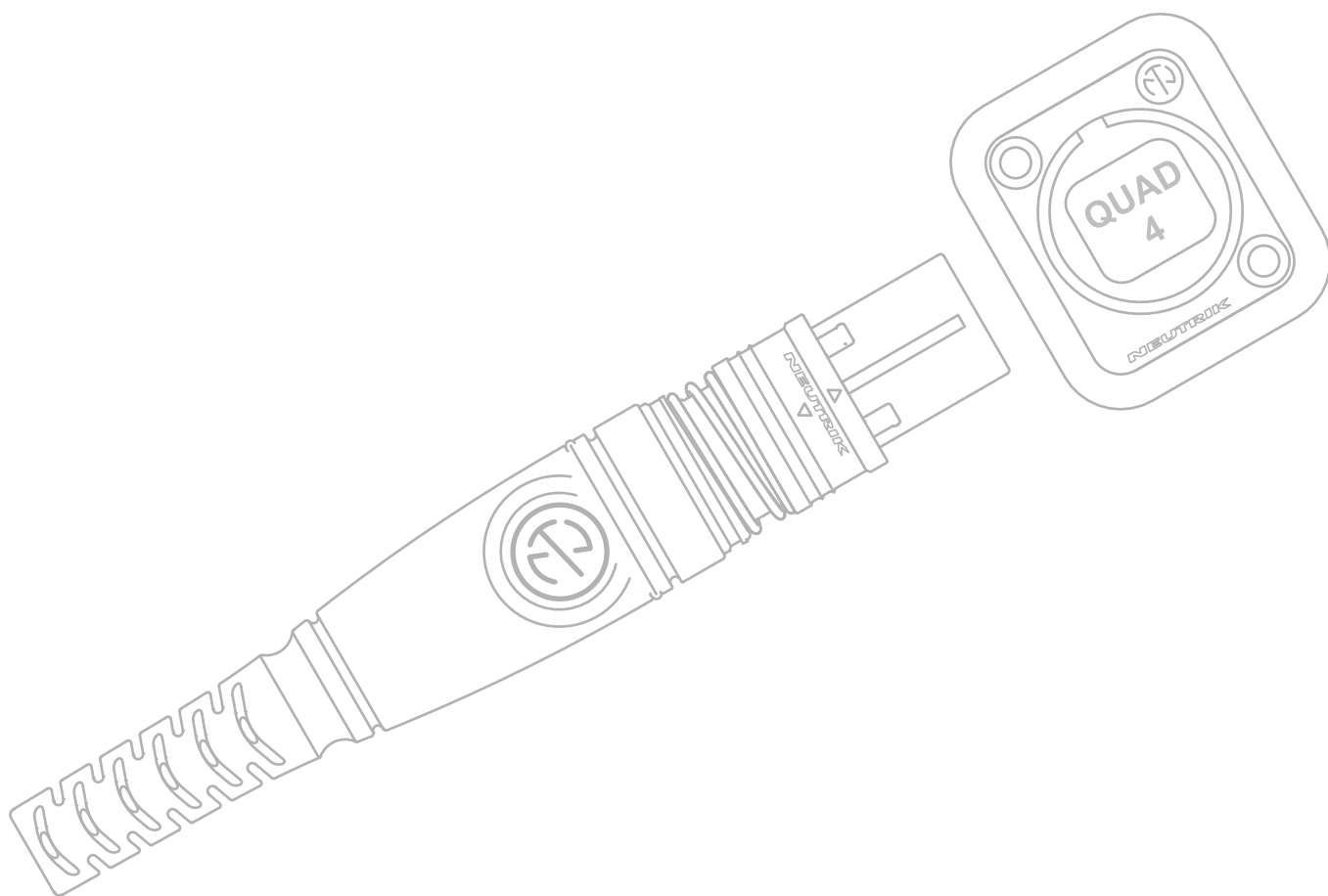




®

HANDLING INSTRUCTION

opticalCON® QUAD | Maintenance





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

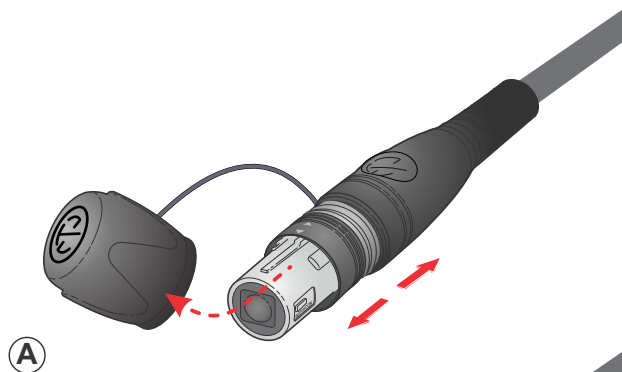
The sealing shutter mechanism of the opticalCON® avoids contamination of the LC ferrule locked inside. The dust-proof design reduces maintenance intervals to a minimum; if nevertheless necessary, follows the maintenance procedure below to avoid damages on the due to inproper cleaning.

A. Connector Cleaning / Inspection

Intervall: every 500 matings recommended

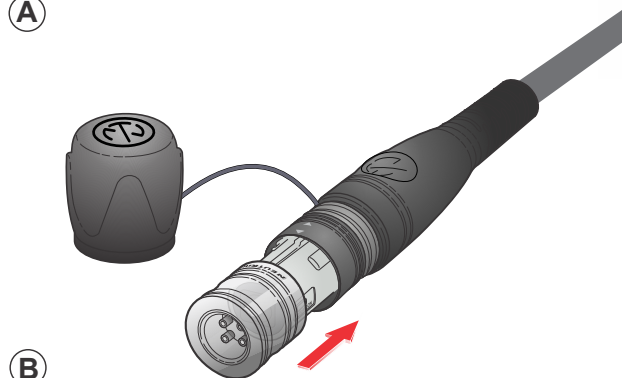
Tools:

- NEUTRIK® QUAD service Tool (FOCD-STQ)
- Dry Cleaner 1.25 mm (FOCD-DC125)
- optical fiber video probe



(A)

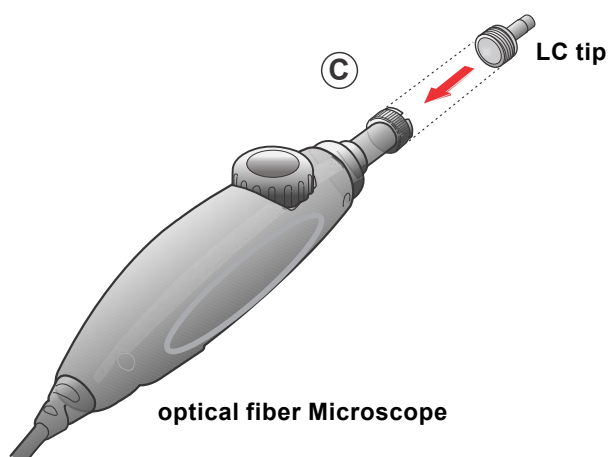
1. Disconnect both cable ends for safety reasons. Invisible laser radiation may be emitted from disconnected fibers or connectors. Do not stare into beams or view directly with optical instruments.



(B)

Service tool (FOCD-STQ)

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

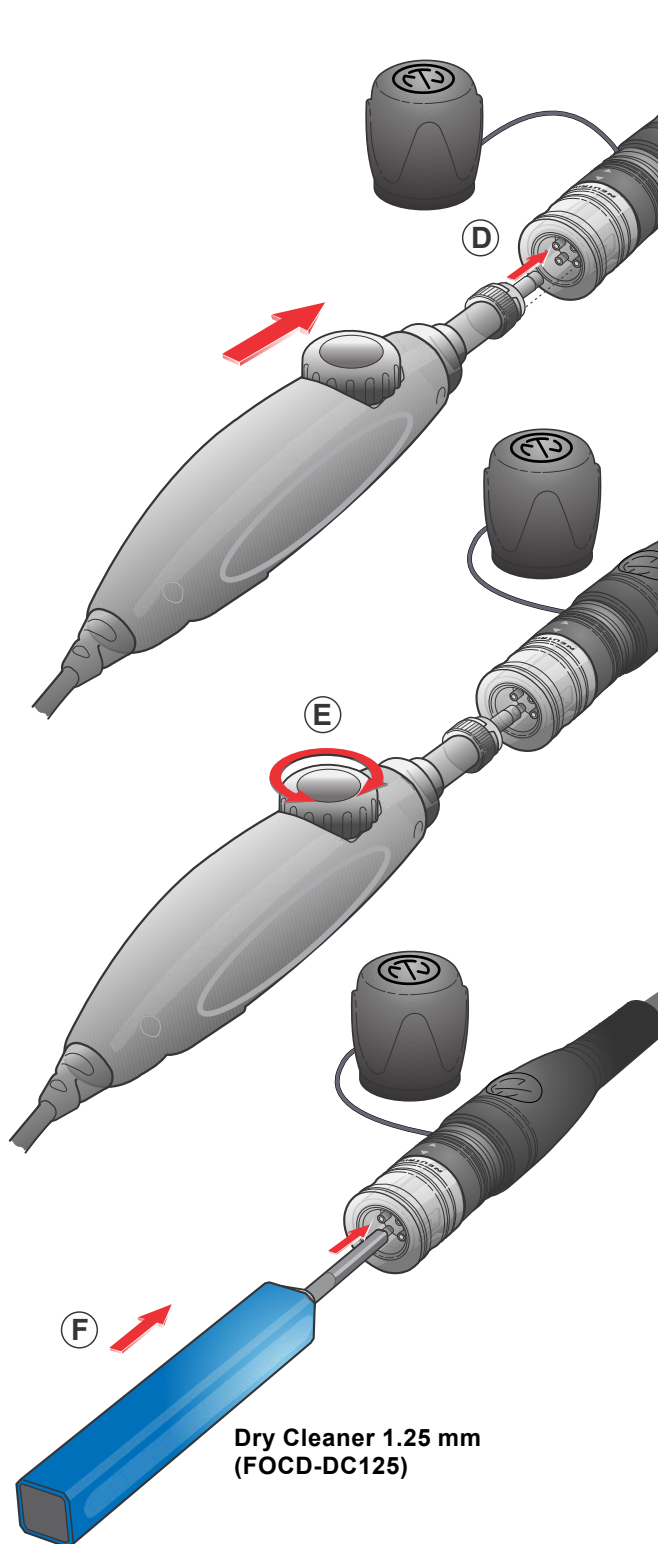


(C)

optical fiber Microscope

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





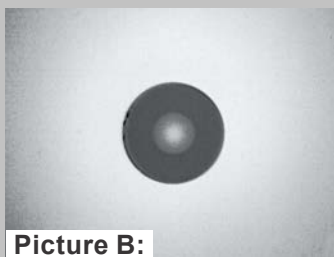
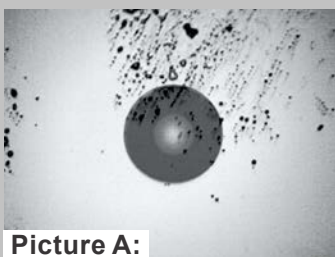
4. Insert the video probe tool into our NEUTRIK FOCD-STQ service tool (D).

5. To inspect the LC ferrule surface focus the video probe by rotating the focus wheel (E).

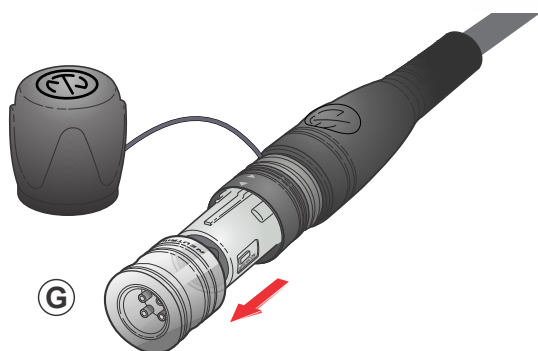
6. Clean the LC surface with the Dry Cleaner 1.25 mm over the NEUTRIK QUAD service tool.

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

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

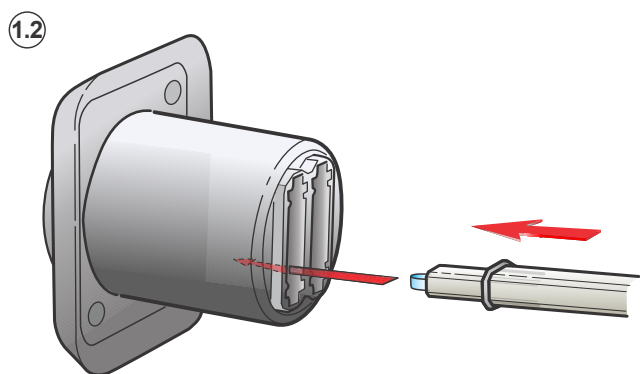
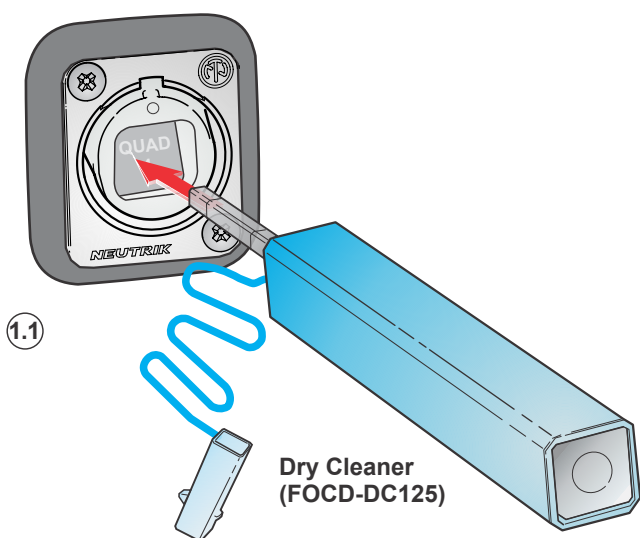


During inspection procedure, make sure that each ferrule is completely free of dust. As a reference the ferrule has to look as illustrated on Picture B.



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

B. Chassis Cleaning



- Tools:**
- Dry Cleaner 1.25 mm (FOCD-DC125)
 - 99% isopropyl alcohol (IPA) or cleaning fluid (FOCD-CF)
 - Lint free wipes (FOCD-DW)
 - Video probe (CAS-FOCD)

1. Dry cleaning using FOCD-DC125

- 1.1 Remove Dust cap. Insert the stick of the cleaning device.
- 1.2 Make sure that the insertion position is on the bottom of the LC connector hole in order to hit the sealing shutter release bar.
- 1.3 Push the outer shell to start cleaning the LC connector end face.
A "pop" sound indicates end of cleaning process.
- 1.4 Remove the cleaning device and put dust cap over the stick.

2. Wet cleaning using lint-free wipes

- 2.1 Inspect the LC connectors with a fiberscope (CAS-FOCD)
- 2.2 Fold a lint-free wipe FOCD-DW into a square.
- 2.3 Moisten one section of the wipe with one drop of the alcohol. Be sure that a portion of the wipe remains dry.
- 2.4 Wipe lightly the ferrule tip in the alcohol moistened portion of the wipe.
Immediately repeat this wiping action on the dry section of the wipe to remove any residual alcohol.
Do not scrub the fiber against the wipe, doing so can cause scratches.
- 2.5 Dispose the wipe, NEVER REUSE A WIPE.
- 2.6 Inspect the connector again with a fiberscope (CAS-FOCD).
- 2.7 Repeat the process if necessary.



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

NEUTRIK AG LI T: +423 / 237 24 24 F: +423 / 232 53 93
NEUTRIK USA Inc. USA T: +1 704 / 972 3050 F: +1 704 / 438 9202
NEUTRIK (UK) Ltd. UK T: +44 1983 / 811 441 F: +44 1983 / 811 439
NEUTRIK Vertriebs GmbH DE/NL/AT/DK T: +49 8131 / 280 890 F: +49 8131 / 280 830

NEUTRIK France FR T: +33 1 / 4131 6750 F: +33 1 / 4131 0511
NEUTRIK Tokyo Ltd. JP T: +81 3 / 3663 4733 F: +81 3 / 3663 4796
NEUTRIK Hong Kong Ltd. HK T: +852 / 2687 6055 F: +852 / 2687 6052
NEUTRIK India Pvt. Ltd. IND T: +91 / 982 05 43 424 F: +91 / 22 26163 540

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