



ASSEMBLY INSTRUCTION

opticalCON | Fiber Optic Connection System



CAUTION: Laser radiation, do not stare into beam!

Do not disassemble the OpticalCon® cable connector if not necessary.

The automatic sealing shutter of the OpticalCon® avoids pollution of the inside located LC connectors.

The dust proof design reduces cleaning to a minimum, if nevertheless necessary be aware that improper cleaning can cause damage to the equipment.

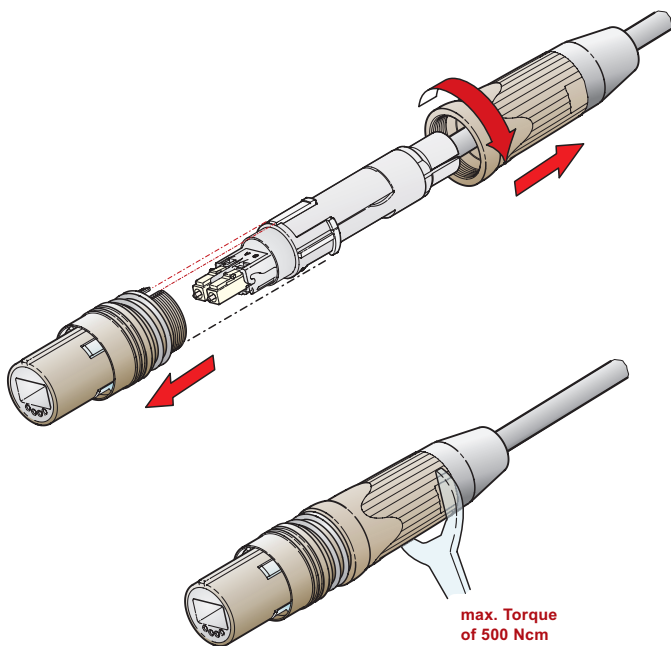
1. Wet cleaning using lint-free wipes:

Tools:

- 99% isopropyl alcohol (IPA)
- Lint-free wipes

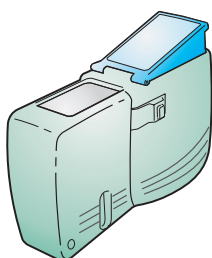
The primary concern with using IPA is that it be removed completely from the LC connector.

If the alcohol is allowed to evaporate slowly of the ferrule, it can leave residual material on the fiber core or cladding.



- 1.1. 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.
- 1.2. Untighten the connector bushing and remove carefully the insert of the connector housing.
- 1.3. Inspect the LC connectors with a fiberscope.
- 1.4. Fold a lint-free wipe into a square (about 4 to 8 layers thick).
- 1.5. Moisten one section of the wipe with one drop of 99% alcohol. Be sure that a portion of the wipe remains dry.
- 1.6. Wipe lightly the ferrule tip in the alcohol moistened portion of the wipe with a figure "8" motion.
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.
- 1.7. Dispose the wipe, NEVER REUSE A WIPE.
- 1.8. Inspect the connector again with a fiberscope.
- 1.9. Repeat the process if necessary.
- 1.10. After the cleaning procedure slide the connector insert back into the connector housing.
Align the key on the insert to the cutout of the metal housing.
- 1.11. Tighten the bushing with a max. Torque of 500 Ncm.

2. Dry cleaning using FOCD-CLETOP-S-B cleaning device



- 2.1. Follow the instructions A. 1.1. to A. 1.3.
- 2.2. Clean LC connectors according cleaning device instructions
- 2.3. Follow the instructions A. 1.8. to A. 1.11.



B. Chassis connector maintenance

1. Wet cleaning using lint-free wipes

Remove LC connectors at the rear of the Opticalcon chassis and follow the instructions A.1.3 to A.1.9

2. Dry cleaning using FOCD-SFM-125

This cleaning device is especially suggested for female - male drums as it avoids to open the drum for cleaning the chassis connector.

- 2.1. Insert the stick of the cleaning device
- 2.2. Make sure that the insertion position is on the bottom of the LC connector hole in order to hit the sealing shutter release bar.
- 2.3. Push the cleaning button when completely inserted
- 2.4. Remove the cleaning device

