



HANDLING INSTRUCTION

opticalCON® Breakoutbox Fiber Optic Connection System

A. Breakoutbox - Cleaning the chassis (front side)

- Tools:
- Cleaning fluid FOCD-CF or 99% isopropyl alcohol (IPA)
 - Lint free dry wipes FOCD-DW for fiber cleaning
 - DRY-Cleaner FOCD-DC125 for opticalCON DUO & QUAD
 - DRY-Cleaner FOCD-DCM for opticalCON MTP®

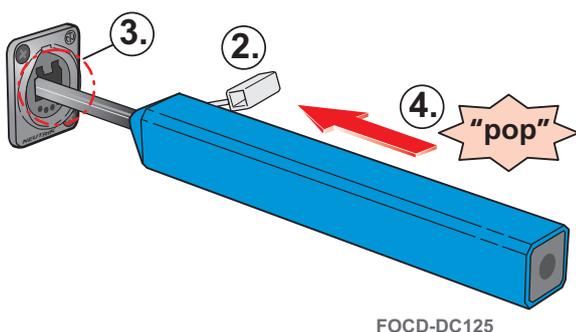
The primary concern with using IPA is that it be removed completely from the LC connector. If the alcohol is allowed to evaporate slowly of the ferrule, it can leave residual material on the fiber core or cladding.



Breakout Box
(Example: NO4SBB4D-PM-A)

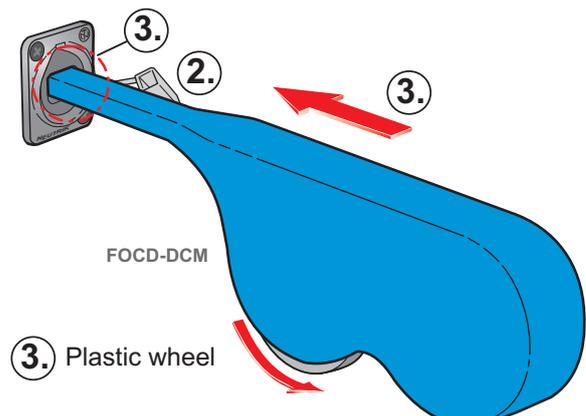
Dry cleaning frontside of DUO & QUAD

1. Open the breakout box and clean the surface with a lint free wipe FOCD-DW.
2. Remove dust cap. Insert the stick of the cleaning device FOCD-DC125.
3. Make sure that the insertion position is on the bottom of the LC connector hole in order to hit the sealing shutter release bar.
4. Push the outer shell to start cleaning the LC connector end face.
5. A "pop" sound indicates end of cleaning process.
6. Remove cleaning device and put dust cap on the stick.



or MTP®

1. Open the breakout box and clean the surface with a lint free wipe FOCD-DW.
2. Remove dust cap and insert the tip of the dry cleaner FOCD-DCM.
3. Guide the tip of the dry cleaner into the chassis housing.
4. Rotate the plastic wheel to start the cleaning procedure. An endless lint free tape removes dust particle on the ferrule surface of the MTP® connector on the rear of the chassis.
5. After cleaning procedure, remove dry cleaner and cover the tip with the dust cap.



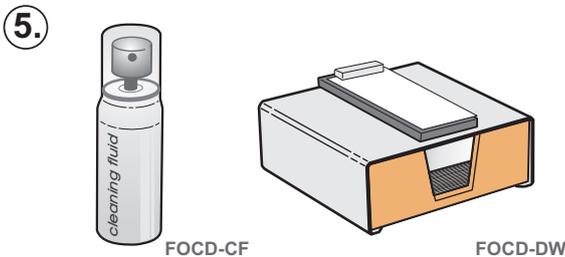


B. Cleaning the chassis (rear side)

- Tools:**
- Hex key No. 2
 - Cleaning fluid FOCD-CF or 99% isopropyl alcohol (IPA)
 - Lint free dry wipes FOCD-DW for fiber cleaning
 - Fiberscope for inspect the connector (CAS-FOCD)



1. Open the breakout box and clean the surface with a lint free wipe FOCD-DW
2. While using a hex key open the 12 allen screws and remove the plate with the connectors.
3. Remove carefully the LC's from the rear side of the chassis connectors separately to avoid any possibly of concisions.
4. Inspect the LC connectors with a fiberscope.
5. Fold a lint-free wipe FOCD-DW into a square.
6. Moisten on section of the wipe with one drop of isopropyl alcohol (IPA).
Be sure that a protion of the wipe remains dry.
7. Whipe lightly with a 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 IPA.
Do not scrub the fiber against the wipe, doing so can cause scratches.
Dispose the wipe, **NEVER REUSE A WIPE.**
8. Inspect the connector again with a fiberscope.
9. Repeat the process if required.
10. After cleaning procedure the LC connector re-connect into the opticalCON.
11. Position the plate into the box again and screw it.



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