This document describes the cleaning process for the E-Light module before connecting an optical patch cord

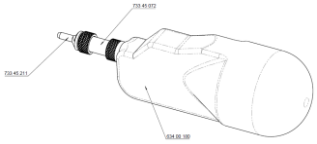
Recommended tools

Cleaning Kit
733 99 401A



USCONEC Part Number : 13964

Inspection Kit
F780 910 003



Microscope
634 00 180

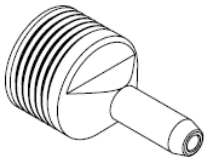


WESTOVER FBP-P5000

Barrel narrow long type for probe
733 45 072A



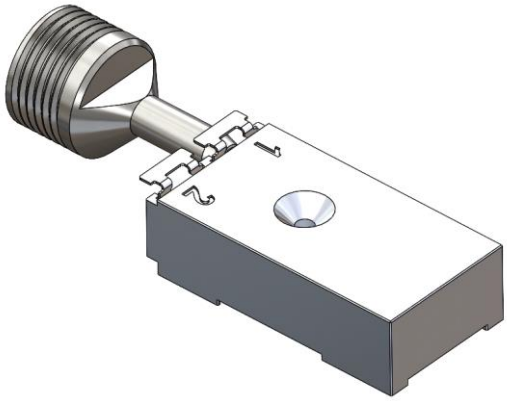
Adaptateur E-Light inspection faces
733 45 211A

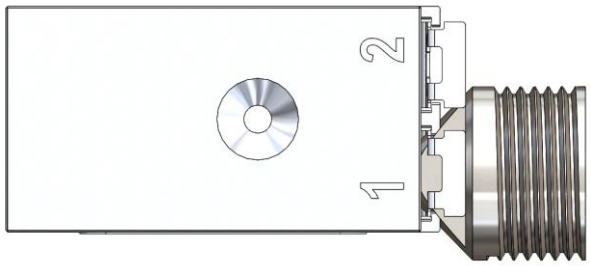


Inspection recommendations

For inspection, you have to use the dedicated adaptator designed for E-Light modules (ref. 733 45 211A) mounted on a fiber check like the WESTOVER FBP-P5000.

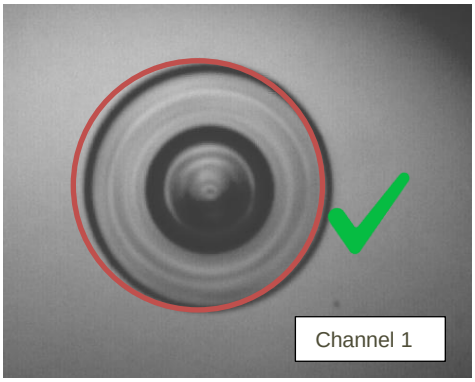
- Insert the tip in the module cavity with the notch facing up and align the clip of the module so the adaptator can fully enter in the cavity.

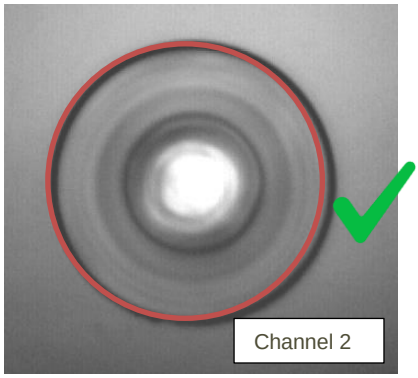




- Observe the interior of the cavity with the microscope.
- Check that there is no contamination present on the connector end face. Refer to In Service Visual inspection criteria (based on ARINC 805-3) presented in the document “LuxCis® ARINC 801 Cleaning & Inspection Procedure 503 08 590E”
- Ascertain if the optical end face meets the visual inspection criteria

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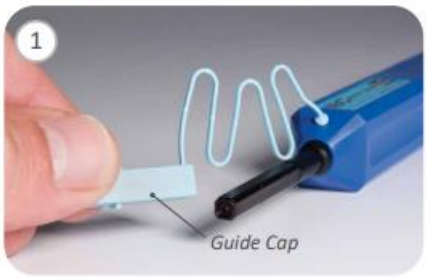


- If the observation is not compliant with the criteria, proceeed to a cleaning of the optical end face
- Then observe again the interior of the cavity with the microscope.
- Repeat the procedure if necessary

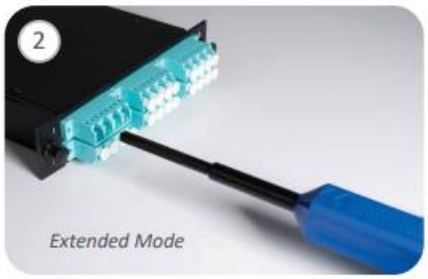
Cleaning recommendations

For cleaning, simply used dedicated tools USCONEC 13964. Insert thinner tips in the stub and push the blue body of the tool until you hear a little clic.

Cleaning cable assemblies in bulkhead adapters:



Remove guide cap from cleaner



Insert tip of cleaner into adapter



Push the cleaner forward inside the adapter until you hear a click, indicating the cleaning process is complete

More details can be found at the following address :
https://www.usconec.com/umbraco/rhythm/protectedfilesapi/download?path=%2ffiles%2fliterature%2fUS_Conec_Cleaners_Catalog.pdf

Document history

Version	Date	Author	Signed-off	Notes
V1.0	2025-03-10	TT	VF	Release of AN- XXX

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