

FIBRE OPTIC CONTACT CLEANING GUIDE



Care guide lines

It is essential for the ferrule end faces of any fibre optic contact to be clean and free from any kind of debris so as to ensure the correct performance and operation of the contact.

Regular inspection of contacts in-situ is strongly recommended using a commercially available viewer.

If an unexpectedly high insertion loss is encountered in general use which results in the system not operating, then all fibre optic contact end faces should be cleaned as described overleaf.



Viewer for inspection of
fibre optic end face



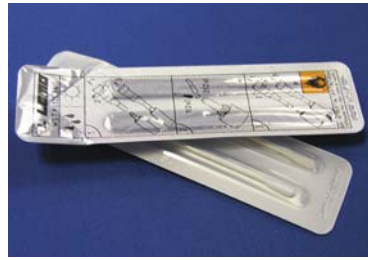
"One Click" cleaner for fast
emergency cleaning

LEMO FIBRE OPTIC CLEANING GUIDE



1. Alignment device extraction tool (DCS.F2.035.PN for F2 contacts and DCS.F7.035.PN for F7 contacts). Double ended tool for removal of alignment sleeves.

For male contacts (no alignment device) follow instructions in section 6 only.



5. Fibre optic cleaning kit (WST.K1.125.34)

Comprises of 2 cotton buds, 1 dry and 1 being soaked in IPA (Isopropyl Alcohol) Used for cleaning the fibre optic contacts.



2. Insert the extraction tool into the fibre contact and turn 5 to 6 times in a clockwise direction, until the alignment device is fully screwed into the tool.



6. Using the (WST.K1.125.34) cleaning kit, remove the damp cotton bud and clean the white contact by wiping across the end face.

Since the alcohol leaves a residue you must use the dry bud to finish the cleaning. Use a cotton bud end once only due to contamination.



3. With the connector and tool held firmly, slowly but firmly pull the tool away from the connector in a straight line to remove the alignment device.



7. Once cleaned, insert the alignment device back into the connector, ensure the tool and device are in alignment with the connector, gently pushing until the device clips (click) in to place.



4. Once the alignment sleeve has been removed from the connector ensure that the device remains on the end of the tool and is kept clean and away from possible dirt and damage.



8. In a counter-clockwise direction carefully unscrew and remove the tool from the connector.

Fibre optic contact alignment sleeve.

The LEMO F2 fibre optic contact alignment sleeve ensures that the two contacts within a connection are precision-aligned to ensure very high optical performance. For cleaning purposes the sleeve can be easily removed, whilst being retained on the extraction tool as indicated above. Periodic replacement of the sleeve is necessary depending on its condition – to order please quote part number:
DCS.F2.035.PN for F2 contacts
DCS.F7.035.PN for F7 contacts



9. To check that the alignment devices have been correctly placed, check that the tip of the device is almost flush to the insulator, and that both devices are level with each other.

Ensure both of the mating pair of connectors are cleaned at the same time, as contamination from contact to contact is probable.

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