

Maintenance of HD fibre links for long life

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, and regular inspection of the contact 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 – see LEMO cleaning leaflet for details.

Inspection

Fibre optic video inspector

A portable fibre optic viewer consisting of handset probe, LCD display, ferrule tips for LEMO and other contacts, USB capture device and software and AC power supply all in a rugged case.



LEMO fibre optic cleaning guide video download:

Part Number	Description
UKT.0000659	Complete video inspector kit
UKT.0000669	Adaptor for LEMO F2 female contact
UKT.0000670	Adaptor for LEMO F2 male contact

Spares are available on request

USB version, and Handset version (for external monitor) also available.

Alignment device extraction tool

An extraction tool is necessary for removal of the fibre contact alignment sleeves on female contacts. This tool is double ended so that you retain both alignment sleeves of one connector avoiding losing them whilst inspecting or cleaning.



Part Number	Description
DCS.F2.035.PN	Alignment device extraction tool

Cleaning of fibre contacts

Contacts should only be cleaned if necessary, and the most effective method is by use of cotton buds and Isopropyl Alcohol, which is readily available and low cost. However, cleaning kits and mechanical cleaners are available for use on site.

IPA cleaning kit F2 contact

Fibre optic cleaning kit of 2 cotton buds, 1 dry and 1 being soaked in IPA (Isopropyl Alcohol) used for cleaning any fibre optic contacts.



One click cleaner M20 for F2 contact

An alternative recommended portable cleaner with cleaning tape mechanism.



Ferrulemate disposable cleaner

A handy portable cleaner—one click passes a cleaning tape over the face of the contact and twists at the same time for reliable dirt removal.



Part Number	Description
WST.KI.125.34	IPA cleaning kit
UKT.0000812	Ferrulemate cleaner
UKT.0001297	One click cleaner

Smart electrical & optical tester for SMPTE HD fibre cables

This cable tester provides a quick and easy means of checking the functionality of HD hybrid fibre cables and cable systems. A laser source checks the fibres giving an indication of the attenuation through the whole cable or cable system, and electrical tests check for continuity of both the power and control conductors.

Part Number	Description
UKT.0000907	HD Cable tester

