PPM &*ViaLite* Fibre Optic Cleaning Kit 72791

Optical Safety

The PPM and ***ViaLite Communications*** range of DC analogue transmitter **singlemode** modules contain laser diode sources operating at 1270nm to 1610nm. These devices are rated at under EN 60825-1 as Class 1 radiation emitting devices.

The PPM and ***ViaLite Communications*** range of DC analogue transmitter **multimode** modules contain laser diode sources operating at 850nm. These devices are rated under EN 60825-1 as Class 1 radiation emitting devices.

When operating the equipment note the following:

- Never look into the end of an optical fibre or connector directly or by reflection either with the naked eye or through an optical instrument.
- Never leave equipment with radiating bare fibres accessible – always cap the connectors.
- Do not remove equipment covers when operating.

Adjustment, maintenance and repair of the equipment should only be carried out by suitably qualified personnel.

Cleaning Procedure

Fibre optic connectors are more sensitive to damage and contamination than electrical connectors. In order to maintain full performance from your fibre optic link system, it is necessary to take care to protect the connectors from damage and to keep them clean. The cable connectors should always be cleaned before they are used, even if they have been protected by dust caps.

When the fibre optic cables are not connected, it is essential that the cable and module connectors are protected by the dust caps provided with the system. Failure to do so may result in damage to the fibre ends, which are critical to the system performance.

ViaLite Communications *products* supports FC/APC. LC/APC, SC/APC and E2000 connectors.

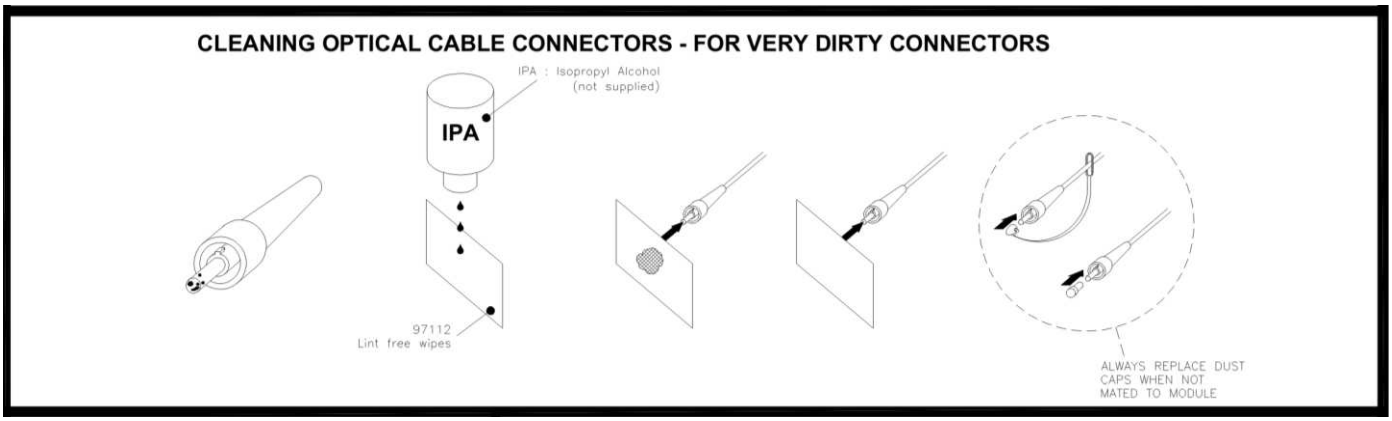
Using cleaning cassette 54030, follow the instructions below:

72791-HB, Issue 5, CR4635

Pulse Power & Measurement Ltd, 65 Shrivenham Hundred Business Park, Watchfield, Swindon, Wiltshire SN68TY, UK
Tel +44 (0)1793 784389 Email sales@ppm.co.uk sales@vialite.com Web www.ppm.co.uk www.vialite.com

The following procedure is for connectors where normal cleaning procedures do not suffice, or where visible dirt is present on the connectors. Cleaning items required:

- Lint free fibre cleaning tissues (normal cosmetic tissues produce dust and are not acceptable)
- Reagent grade isopropyl alcohol (IPA)
- Air duster or **filtered** compressed air line.

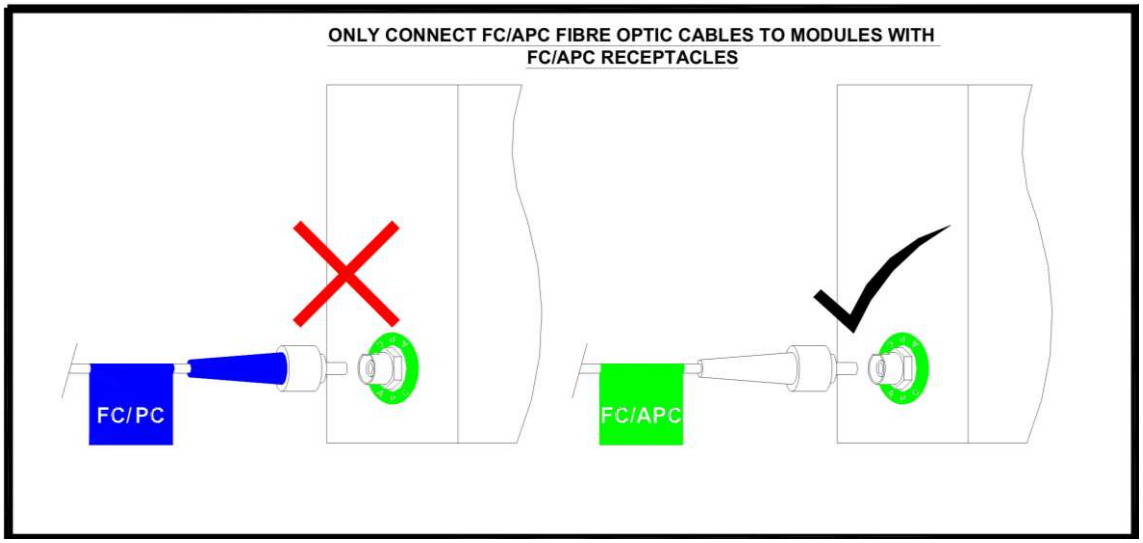


Module female receptacle cleaning (only recommended if problems are being experienced)

1. Twist a cleaning tissue to form a stiff probe, and moisten with IPA. Gently push the probe into the receptacle and twist around several times to dislodge any dirt.
2. Repeat the above process with a dry tissue.
3. Using the air duster, blow away any residue from the receptacle.

Important Notes

- IPA is flammable. Follow appropriate precautions and local guidelines when handling and storing.
- IPA can be harmful if spilt on skin. Use appropriate protection when handling.
- It should only be necessary to clean the female receptacles on the modules if problems are being experienced.
- **Never inspect an optical fibre or connector with the naked eye or an instrument unless you are convinced that there is no optical radiation being emitted by the fibre. Remove all power sources to all modules, and completely disconnect the optical fibres.**
- Ensure cables and connector types match; only connect FC/APC cables to FC/APC connectors. Failure to ensure compatible connectors could result in damage to cables or modules.



72791-HB, Issue 5, CR4635

Pulse Power & Measurement Ltd, 65 Shrivenham Hundred Business Park, Watchfield, Swindon, Wiltshire SN68TY, UK
Tel +44 (0)1793 784389 Email sales@ppm.co.uk sales@vialite.com Web www.ppm.co.uk www.vialite.com