

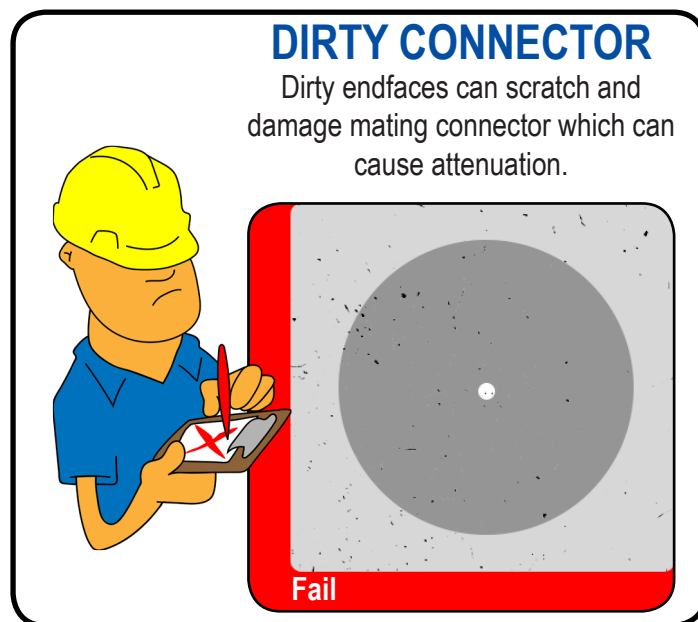
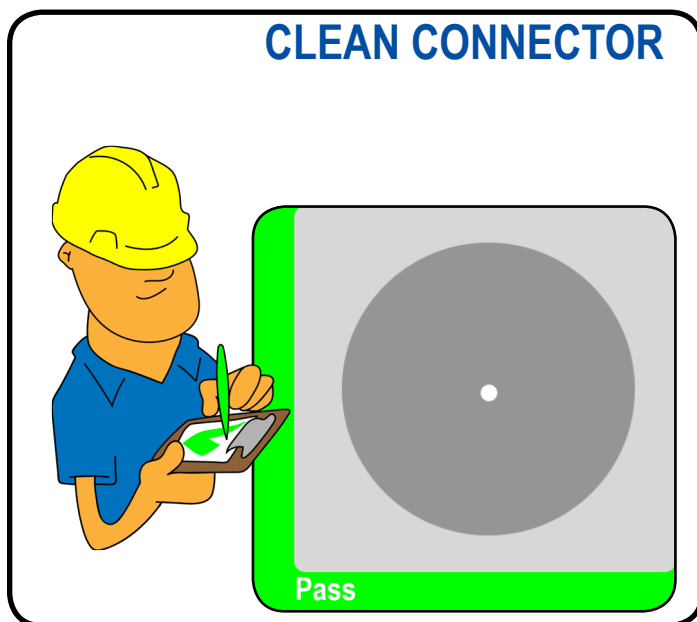


CLEARFIELD

# INSPECT THEN CONNECT!

*Cleaning Manual*

Inspect and clean **EVERY** connector before inserting into adapter.



Product	Clearfield Part Number	Contents
LC Cleaning Kit	CleanKit-LC-01	<ul style="list-style-type: none"> <li>Ferrule and V-groove cleaning swab 50/tube</li> <li>SFF Connector Flat Swab 500/bag</li> <li>1.25mm ferrule swab (LC) 50/tube</li> <li>Portable platform 400perforated/box</li> <li>Fiber Wash MX Precision Cleaner Pen</li> </ul>
SC Cleaning Kit	CleanKit-SC-01	<ul style="list-style-type: none"> <li>Ferrule and V-groove cleaning swab 50/tube</li> <li>SFF Connector Flat Swab 500/bag</li> <li>2.5mm foam swab SC only 50 per tube</li> <li>Portable platform 400perforated/box</li> <li>Fiber Wash MX Precision Cleaner Pen</li> </ul>
MPO Cleaning Swab	CleanMPO-01	<ul style="list-style-type: none"> <li>MPO Chamois Swab 25/tube</li> </ul>
Replacement V-groove Swab	018886	<ul style="list-style-type: none"> <li>Ferrule and V-groove cleaning swab 50 per tube</li> </ul>
Replacement Flat Swab	018887	<ul style="list-style-type: none"> <li>SFF Connector flat swab 500 per bag</li> </ul>
Replacement 2.5mm Swab	018888	<ul style="list-style-type: none"> <li>2.5mm foam swab SC only 50 per tube</li> </ul>
Replacement 1.25mm Swab	018889	<ul style="list-style-type: none"> <li>1.25mm ferrule swab LC only 50 per tube</li> </ul>
Replacement Platform	018891	<ul style="list-style-type: none"> <li>Portable platform perforated 400 per box</li> </ul>
Replacement Cleaning Pen	018892	<ul style="list-style-type: none"> <li>Cleaning Pen, MX Precision ordered seperately</li> </ul>
Replacement Nylon Bag	018932	<ul style="list-style-type: none"> <li>Nylon bag, Empty, blue</li> </ul>
MPO Swiping Tool	016558	<ul style="list-style-type: none"> <li>Tool for cleaning through MPO adapter</li> </ul>
SC Swiping Tool	016313	<ul style="list-style-type: none"> <li>Tool for cleaning through SC adapter</li> </ul>
LC Swiping Tool	016312	<ul style="list-style-type: none"> <li>Tool for cleaning through LC adapter</li> </ul>

### Connector Cleaning Procedure

Whether factory terminated or field spliced, clean connectors are essential for proper system operation. Even the smallest dust particle can cause transmission problems, so for optimal network performance, inspect and if necessary, clean all connectors and adapters prior to mating.

#### I.T.C...Inspect Then Connect!

ALWAYS inspect the connector first thing with a clean fiber scope inspect the pair. Three types of contamination require different cleaning techniques. The use of Chemtronics end face and bulkhead cleaning products and techniques ensures a clean end face, no matter the type of contamination.

These are Clearfield recommended products/application. Use the product you feel will complete your cleaning procedures. Create a “best practice” for your company and follow those procedures.

**\*\*NOTE: It is NOT recommended to use IPA to clean the end-face.**

### Cleaning an SC/LC Connector

- Place one wiping paper on QbE-2 FiberSafe™ Cleaning Platen. (Figure 1)
- Apply small amount of precision cleaner (about 1” in diameter) with Electro-Wash MX pen on to one end of the wipe. (Figure 2)
- Hold end face 90 degree. Adjust for APC connection by slightly tilting the container or end face. Angle is correct when no drag is left on the end face. (Figure 3)
- Draw end face from wet to dry part of the wipe 3 times. Use just enough pressure to ensure complete contact between end face and the wipe.

**DO NOT** retrace previous step.



Figure 1

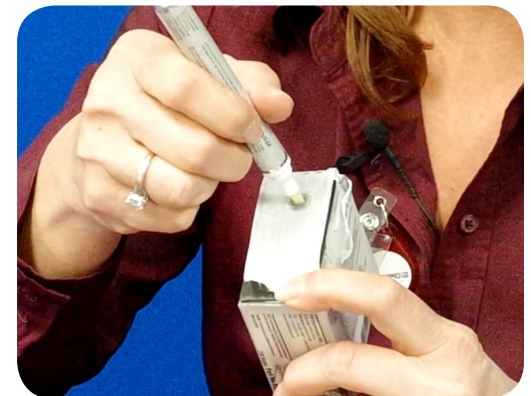


Figure 2



Figure 3



CLEARFIELD

# INSPECT THEN CONNECT!

*Cleaning Manual*

- **CLEAN THE FERRULE...**Lightly moisten the fiber optic swab (2.5mm/38542F or 1.25mm/38040) by spotting a small amount (about 1") of Electro-Wash PX or Electro-Wash MX pen onto the Qbe. Hold the swab, 1 side down to the wetted area and hold for a count of 1-2-3-4-5. **(Figure 4)**

- Insert swab into side of ferrule, wet side to the ceramic ferrule and circle around 2-3 times and remove. Turn swab to dry side and repeat. **(Figure 5)**

## **Cleaning the mate through a bulkhead adapter AND the adapter itself!**

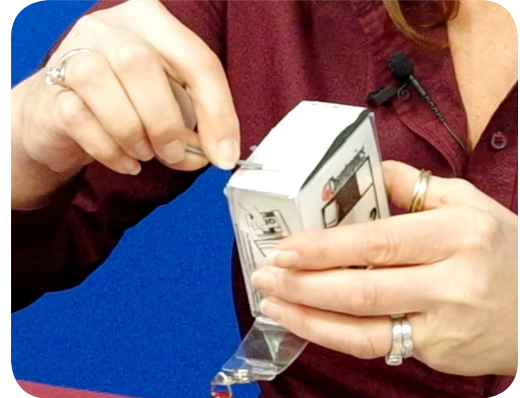
- Lightly moisten the fiber optic swab(2.5mm/38542F or 1.25mm/38040) by spotting a small amount (about 1") of Electro-Wash PX or Electro-Wash MX pen onto the Qbe. Hold the tip of the swab onto the wetted area and hold for a count of 1-2-3-4-5.

- Insert the swab into the adapter to the connector, press lightly against the connector, twist 2-3 times, remove and discard.

- Dry with a second dry swab.

- Inspect (re-clean if necessary) and test for signal strength.

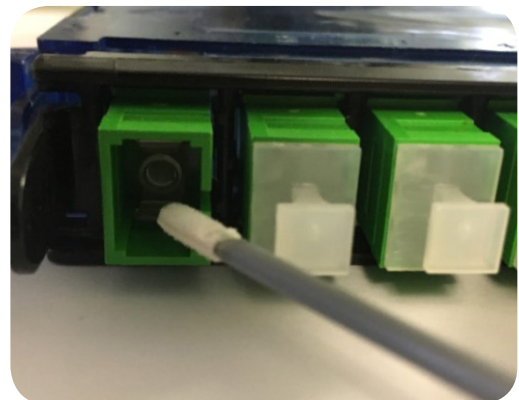
- Use additional swabs to clean inside the actual adapter. Moisten swab, like above, insert through hole and remove while twisting. **(Figure 6)**



**Figure 4**



**Figure 5**



**Figure 6**

### Cleaning an MPO/MTP Connector

#### Female Connector

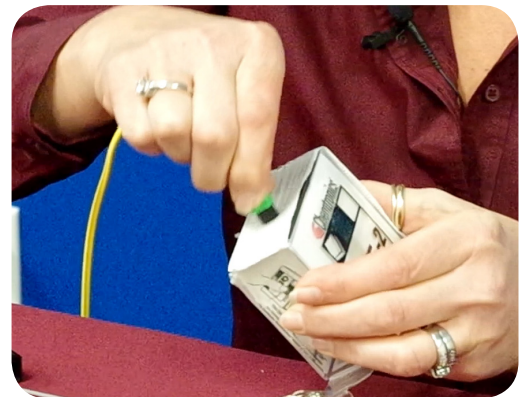
- Place one wiping paper on QbE-2 FiberSafe™ Cleaning Platen and apply small amount of precision cleaner (about 1" in diameter) with Electro-Wash MX pen on to one end of the wipe. **(Figure 1)**
- Hold end face 90 degree. Adjust for APC connection by slightly tilting the container or end face. Angle is correct when no drag is left on the end face. **(Figure 2)**



**Figure 1**

#### Male Connector

- Lightly moisten the fiber optic swab (CC505F) like above, moistening 1 side.
- Place swab, wet side down at one end of connector end-face and draw across in a diagonal sweep (ie: from fiber 1 up and across to fiber 12). Turn swab over to dry and draw back from fiber 12 to fiber 1. **(Figure 3)**



**Figure 2**



**Figure 3**

BEFORE cleaning any connector...be sure you know what type of contaminate you are cleaning...dry? Fluidic?...All the available products are good, it's the process that you need to be aware of. Using a dry cleaning method to clean "dirt" can lead to scratching of the end-face. Learn the process of cleaning properly!