

Cleaning MT-Style Ferrules

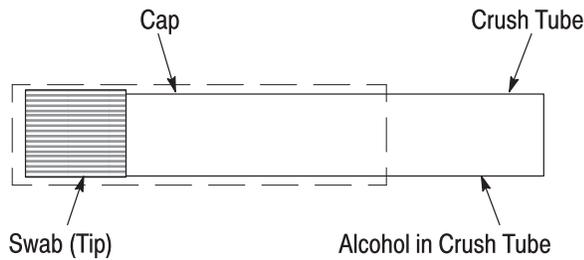


Figure 1

1. INTRODUCTION

These instructions describe several methods of cleaning MT-Style Ferrules including the use of Crush Tube Swab 492580-1. See Figure 1, and commercially available items such as TEXWIPE† TechniCloth TX604 Wipers and TEXWIPE TX758B Swab.

NOTE



Dimensions on this sheet are in metric units [with U.S. customary units in brackets]. Figures and illustrations are for reference only and are not drawn to scale.

Reasons for reissue of this instruction sheet are provided in Section 5, REVISION SUMMARY.

2. DESCRIPTION (Figure 1)

Crush Tube Swab 492580-1 consists of an alcohol-filled, crushable tube, protected by a plastic cap. The alcohol swab is used to wash the dirt and debris from the ends of MT-style (singlemode and multimode) fiber optic ferrules.

3. OPERATION

DANGER



To avoid personal injury, NEVER look into the end of the fiber. Laser radiation is invisible but can damage eye tissue.

3.1. Crush Tube Preparation

Pinch the cap and crush tube swab until the tube pops and crushes. This will release the alcohol into the bristle tip. See Figure 2. Slide off the cap and gently squeeze the crush tube.

NOTE



The cap may be replaced to prevent the alcohol from evaporating.

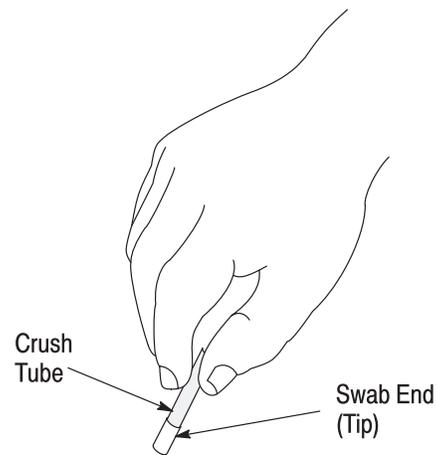


Figure 2

3.2. Cleaning Singlemode Ferrules with the Crush Tube

1. Prepare the crush tube as described in Paragraph 3.1.
2. Holding the end of the crush tube, gently swipe the tip across the MT-style ferrule (from one long side to the other) starting on the angled surface. Refer to Figure 3.
3. Repeat Step 2 (as needed), taking care to cover the whole MT-style ferrule face.

NOTE



If pins are present, take special care to clean around the pin bases.

NOTE



Clean, dry air may be used to speed the drying process.

4. Properly dispose of the crush tube.

3.3. Cleaning Multimode Ferrules with The Crush Tube

1. Prepare the crush tube as described in Paragraph 3.1.
2. Holding the handle, gently swipe the tip across the MT-style ferrule from one long side to the other (see Figure 3).
3. Repeat Step 2 (as needed), taking care to cover the entire MT-style ferrule face.

†Trademark of The Texwipe Company

End Surfaces of MT-Style Ferrules

Swipe the tip across the ferrule from one long side to the other.

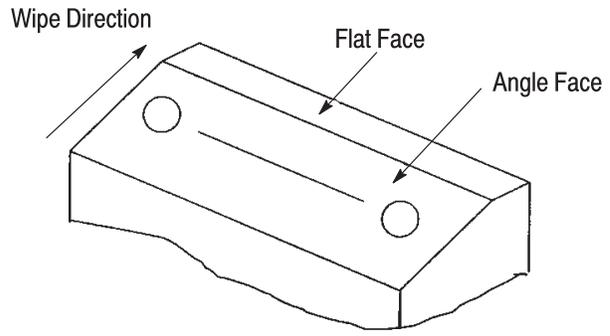
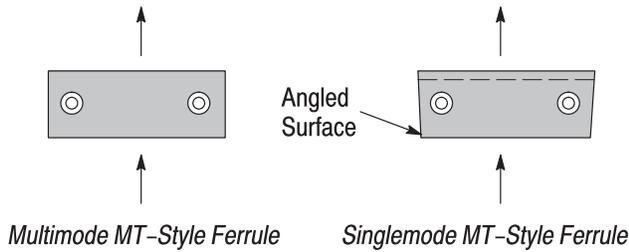


Figure 3



If pins are present, take special care to clean around the pin bases.



Clean, dry air may be used to speed the drying process.

4. Properly dispose of the crush tube.

4. CLEANING MT-STYLe FERRULES WITH TEXWIPE TX604 WIPERS OR TEXWIPE TX758B SWAB

This is initially a dry, rather than wet, cleaning procedure. It does not initially involve alcohol or any other liquid.

1. Remove swab from its' packaging, taking care not to touch the cleaning face.
2. Carefully wipe from the most recessed side of the angled face up towards the flat face as shown in Figure 3. This will help ensure that the angle faces, which touch one another when mated, are clean.

3. If the ferrule has pins, take care to wipe around the pin base (where it emerges from the ferrule).
4. If the ferrule is not angled, wipe towards either long side, parallel to the narrow sides.
5. If alcohol (at least 90% pure isopropyl) is ultimately used, start by wetting the cleaner with as small amount as possible and repeat Steps 2 through 4.
6. Larger amounts of alcohol are permitted from such sources as the crush tube, wetting lint-free cloths, and small pans, but extra care may be needed in Step 7 to ensure all alcohol is gone.
7. Use clean, dry air to remove any remaining alcohol from the ferrule and surrounding parts.
8. Clean, dry air may be used by itself at any time.

5. REVISION SUMMARY

- Updated document to corporate requirements
- Changed, deleted, or added text in Section 1, INTRODUCTION
- Added text to Subheads 3.2 and 3.3
- Added new artwork to Figure 3
- Added new Sections 4 and 5