

CONNECTOR CLEANING INSTRUCTIONS

Optimum optical performance is obtained when the connector, adapter or attenuator are properly cleaned. Perform the following procedures prior to installation. The items listed below are recommended for this purpose.

- CLETOP-S Series Cleaner (8500-10-0016MZ)
- One-Click® Cleaner, either 2.5 mm ferrule (8500-05-0001MZ) or 1.25 mm ferrule (8500-05-0002MZ) or 12 fiber MPO (8500-05-0030MZ)
- FCC2 Fiber Connector Cleaner fluid (FCC2-00-0902) for wet cleaning stubborn contaminants and debris; alternatively the Debris Destroyer® pen (FCC3-00-PEN1)
- FiberWipes™ (9000-0300025MZ) or CleanWipes (9000-03-0029MZ)
- CCT tips (CCTP-25-0900) or CLETOP sticks (8500-10-0024MZ) for adapter sleeves

IMPORTANT NOTE: Always inspect connector end-faces prior to making connections to ensure debris and contaminants are removed – AFL FOCIS Flex®, FOCIS WiFi2®, VS300, OFS200, and DFS1 are recommended tools.

PLUG TYPE CONNECTORS (DRY CLEANING PROCEDURE)

1. Open cassette cleaner shutter door or position FiberWipe or CleanWipe on surface.
2. Slide ferrule end face along the length of the cleaning tape or wipe.
3. Repeat two or three times, being careful to use different regions of the tape to avoid recontamination.
4. Alternatively, an appropriately sized (2.5 mm or 1.25 mm) One-Click may be used.

PLUG TYPE CONNECTORS (WET CLEANING PROCEDURE)

1. Moisten FiberWipe or CleanWipe with FCC2 fluid or FCC3 Debris Destroyer pen.
2. Wipe ferrule end face with a twisting/wiping motion.
3. Repeat twice, using clean area of dampened wipe each time.
4. Repeat wiping action with a fresh dry FiberWipe or CleanWipe.

CLEANING CONNECTOR END-FACES IN ADAPTERS (IN A PATCH PANEL)

- Insert appropriate One-Click Cleaner into adapter and press until an audible “Click” is heard.
- Alternatively, CCT sticks or Cletop sticks can be used.
 1. *Optional:* Moisten CCT or CLETOP stick with FCC2 fluid or the FCC3 Debris Destroyer pen.
 2. Remove excess FCC2 / FCC3 from tip or stick with a FiberWipe or a CleanWipe.
 3. Insert stick into adapter. Clean using scrubbing motion – twisting ten times clockwise. If using a moistened stick, follow up with five counterclockwise rotations with a dry stick to remove excess fluid.
 4. Remove stick using a rotating motion.

CLEANING ALIGNMENT SLEEVES (CONNECTOR BULKHEADS)

1. *Optional:* Moisten CLETOP stick with FCC2 fluid or the FCC3 Debris Destroyer pen. Remove excess FCC2 / FCC3 from tip or stick with a FiberWipe or a CleanWipe.
2. Insert stick into either end of adapter. Clean using scrubbing motion – twisting ten times clockwise. If using a moistened stick, follow up with five counterclockwise rotations with a dry stick to remove excess fluid.
3. Remove stick using a rotating motion.

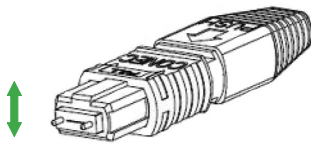
WARNING: Never look into the end of terminated fibers without adequate eye protection (CFR 21 1040.20 / ANSI Z136 / IEC-60825-1 compliant) as invisible laser radiation may damage eye tissue and cause permanent sight loss.

MTP CONNECTOR AND ADAPTER CLEANING INSTRUCTIONS

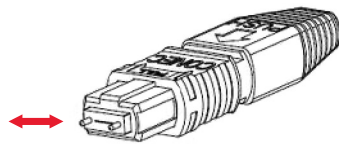
CLEANING THE MTP CONNECTOR

1. To clean the female or male MTP connector, clean the connector end with lint-free wipes soaked in 99.9% isopropyl alcohol.
2. Dry the connector end with a dry lint-free wipe.
3. Inspect the connector end to ensure there is no residual residue or contamination. If there is contamination that cannot be removed using this Standard Cleaning Method, see Contamination Removal Method on page 3.

WARNING: To prevent scratching the MTP end-face, always clean the MTP connector with a cleaning motion from top to bottom. NEVER clean the MTP connection by rubbing in a side-to-side motion.



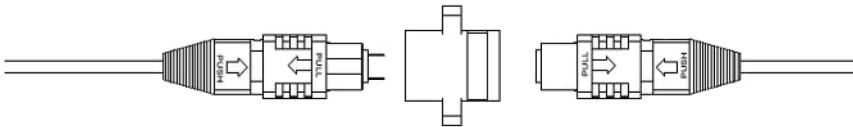
CORRECT MOTION



INCORRECT MOTION

CLEANING THE MTP ADAPTER

1. Soak an ACT-01 Adapter Cleaning Stick with 99.9% isopropyl alcohol and insert it inside the MTP Adapter. Then use a dry ACT-01 Adapter Cleaning Stick to dry the MTP Adapter.
2. Attach an MTP connector end into an MTP adapter by aligning the key on the connector body with the keyway in the adapter.
3. Apply pressure until an audible "Click" sound is heard which signifies that the connector is plugged into the adapter.



**Male
(with guide pins)**

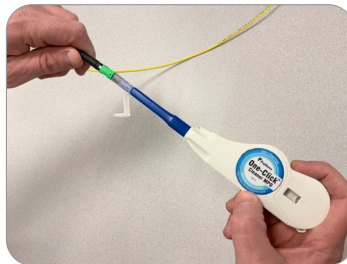
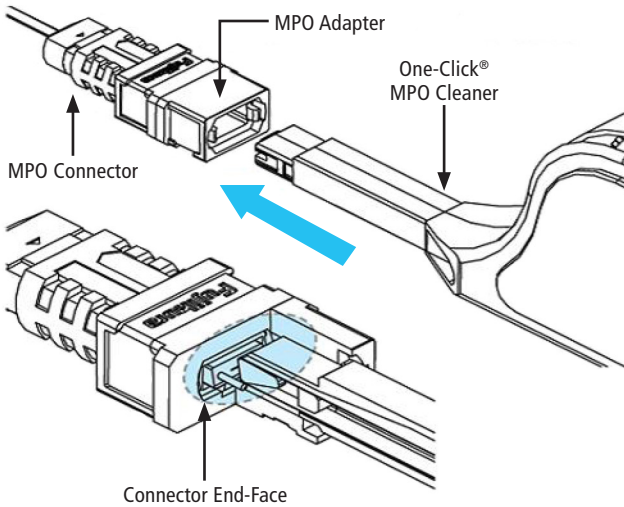
**Female
(without guide pins)**

MTP CONNECTOR AND MTP ADAPTER CLEANING INSTRUCTIONS

For contamination that cannot be removed using the Standard Cleaning Method on page 2, follow the steps below.

CONTAMINATION REMOVAL METHOD

1. Immerse the cleaning tip of the One-Click® MPO Cleaner in 99.9% isopropyl alcohol.
2. Push the One-Click MPO Cleaner onto the MTP connector until an audible “Click” is heard.
3. Insert the One-Click MPO Cleaner two (2) more time to ensure the end-face is dry.
4. Use compressed air to further dry the end-face.
5. Inspect end-face for any contamination before attempting to mate it to another connector.





TESTING CONFORMANCE CERTIFICATE

PERFORMANCE	POLISH	IL	RL	END-FACE
Standard	UPC	≤ 0.3 dB	≥ 55 dB	Pass
	APC	≤ 0.3 dB	≥ 65 dB	Pass
	MPO	≤ 0.75 dB	≥ 55 dB	Pass
Premium/Elite	SC/APC	≤ 0.2 dB	≥ 65 dB	Pass
	LC/UPC	≤ 0.2 dB	≥ 55 dB	Pass
	MPO	≤ 0.35 dB	≥ 62 dB	Pass