

# General Instructions

## ST<sup>®</sup> Connectors

### Instruction for Use

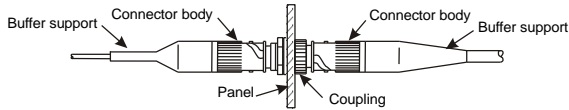
#### WARNING!

User should be aware of possible hazards due to presence of invisible (infrared) radiation when examining connectors with the naked eye or a microscope. A laser IR detection card (Edmund Industrial Optics #NT55-292 or equivalent) may be used to allow visualization of invisible IR light.

Material used in cleaning (isopropyl alcohol, Electro-Wash, and canned air) should be used in a well ventilated area and not near an open flame. Follow all of the manufacturer's safety and disposal instructions. KEEP OUT OF REACH OF CHILDREN.

#### Install ST Connectors onto Coupling

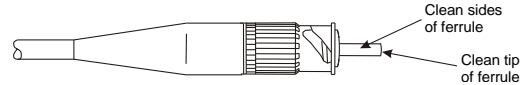
1. Install the connectors onto the coupling by aligning the mark on the rim of the connector body with the slot in the coupling. Complete the connection by pushing the connector onto the coupling with a clockwise twist-locking motion.
2. If a high-loss condition exists, use the **ST** cleaning procedures and reinstall the connectors as described in Step 1.
3. When doing rearrangements or reinsertions of **ST** connectors, use the **ST** cleaning procedures to clean all components and reinstall the connectors as described in Step 1.



#### Clean ST Connector, Coupling, and Attenuator

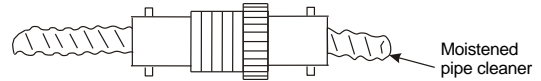
**Clean connector ferrule** with a wipe moistened with isopropyl alcohol\* and blow-dry with canned air. Clean end and sides of ferrule.

**Caution:** Signal strength will be affected if ferrule is not thoroughly cleaned.



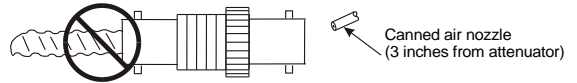
**Clean coupling** by placing a pipe cleaner (moistened with isopropyl alcohol\*) inside coupling and gently rotating. Blow-dry the coupling using canned air.

**Caution:** Do not try to clean the coupling with pipe cleaner if a connector is mounted in one side.



**Clean attenuator** by holding canned air nozzle 3 inches from attenuator end.

**Caution:** Do not use a pipe cleaner to clean attenuator.



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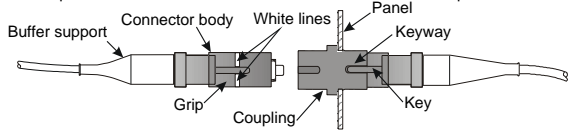
1-888-FIBER HELP  
(1-888-342-3743)

\* For cleaning, always use isopropyl alcohol (>91% 2-propanol + water).

## SC and LC Connectors Instruction for Use

### Install SC Connectors onto Coupling

1. Install each connector into the coupling by aligning the key on the connector body with the keyway on the coupling. The connector is properly installed when the white line in the grip disappears inside the coupling.
2. If a high-loss condition exists, use the SC cleaning procedures and reinstall the connectors as described in Step 1.
3. When doing rearrangements or reinsertions of SC connectors, use the SC cleaning procedures to clean all components and reinstall the connectors as described in Step 1.

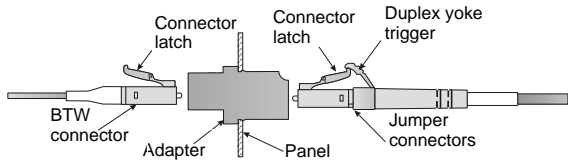


### Clean SC APC Connector

For optimal results, use the Chemtronics QbE® Cleaning System (Chemtronics #QBE). Position one QbE wipe over the foam platen. Spray a small spot (about the size of a quarter) of ElectroWash PX Fiber Optic Cleaner (Chemtronics #ES810 or ES1210) onto one corner of the QbE wipe. Orient the connector properly (i.e. APC connectors should be oriented and tilted, as needed, to ensure the endface contacts the wipe) and move the connector endface across the wipe, from the wet area to the dry area of the wipe, in one direction. Blow clean compressed air across the endface, to remove any lint particles. A new area of the wipe should be used for each connector. (Note: This procedure may also be used for SC PC connectors, instead of the procedure shown to the right).

### Install LC Connectors into Adapter

1. Install connector(s) into the adapter by aligning the latch(s) on the connector(s) with the slot(s) on the adapter and gently push into place. An audible click is heard when the connector(s) snap into the adapter.
2. If a high-loss condition exists, use the LC cleaning procedures and reinstall the connector(s) as described in Step 1.
3. When doing rearrangements or reinsertions of LC connectors, use the LC cleaning procedures to clean all components and reinstall the connectors as described in Step 1.



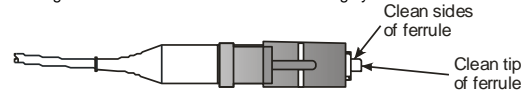
### Clean LC APC Connector

For optimal results, use the Chemtronics QbE® Cleaning System (Chemtronics #QBE). Position one QbE wipe over the foam platen. Spray a small spot (about the size of a quarter) of ElectroWash PX Fiber Optic Cleaner (Chemtronics #ES810 or ES1210) onto one corner of the QbE wipe. Orient the connector properly (i.e. APC connectors should be oriented and tilted, as needed, to ensure the endface contacts the wipe) and move the connector endface across the wipe, from the wet area to the dry area of the wipe, in one direction. Blow clean compressed air across the endface, to remove any lint particles. A new area of the wipe should be used for each connector. (Note: This procedure may also be used for LC PC connectors, instead of the procedure shown to the right).

### Clean SC Connector, Coupling, and Attenuator

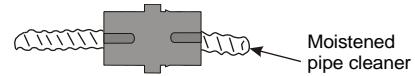
**Clean connector ferrule** with a wipe moistened with isopropyl alcohol\* and blow-dry with canned air. Clean end and sides of ferrule.

**Caution:** Signal strength will be affected if ferrule is not thoroughly cleaned.



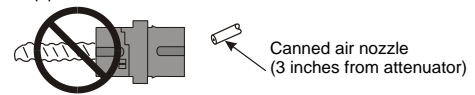
**Clean coupling** by placing a pipe cleaner (moistened with isopropyl alcohol\*) inside coupling and gently rotating. Blow-dry the coupling using canned air.

**Caution:** Do not try to clean the coupling with pipe cleaner if a connector is mounted in one side.



**Clean attenuator** by holding canned air nozzle 3 inches from attenuator end.

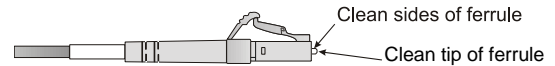
**Caution:** Do not use a pipe cleaner to clean attenuator.



### Clean LC Connector and Adapter

**Clean connector ferrule** with a wipe moistened with isopropyl alcohol\* and blow-dry with canned air. Clean end and sides of ferrule.

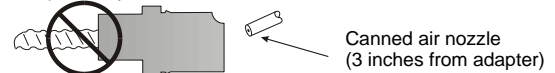
**Caution:** Signal strength will be affected if ferrule is not thoroughly cleaned.



**Clean adapter** by placing an adapter brush (moistened with isopropyl alcohol\*) inside adapter and gently rotating. Blow-dry the adapter using canned air. The brush can be cleaned with alcohol and canned air.



If access to the adapter is only available from one side, use canned air to blow inside of adapter.



**Warning:** Do not try to clean adapter with a standard pipe cleaner. The LC's sleeve inner diameter is too small. Also, do not try to clean the adapter with LC adapter brush if a connector is mounted in the adapter.

**Clean attenuator** by holding canned air nozzle 3 inches from end of the attenuator. Blow air into each side of the attenuator.

**Caution:** Do not use pipe cleaner or adapter brush to clean attenuator.



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\* For cleaning, always use isopropyl alcohol (>91% 2-propanol + water).