

# 3 MAJOR ISSUES WITH DUPLEX LC CONNECTOR STYLE CLEANERS



## 1. INCREASING YOUR COST OF CLEANING

Each time the cleaner is engaged, both sides of the cleaner are engaged in tandem.

If only one of the two end faces is contaminated, you just paid to clean a clean connector and **DOUBLING YOUR COST**

## 3. MISSED ALIGNMENT OF CLEANING TIPS TO THE FERRULE

Each The cleaning tips of the LC duplex connectors are made for standard LC duplex with a 6.25mm center to center pitch.

These cleaners will NOT work for:

- Mini LC Duplex (5.25mm pitch)
- QSFP-DD CS style connectors (3.25mm pitch)
- Keyed LC duplex

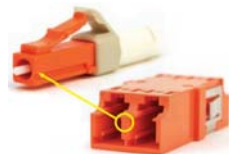


Senko CS  
for QSFP-DD  
(3.8mm pitch)



Mini LC Duplex  
(5.25mm pitch)

Standard LC Duplex  
(6.25mm pitch)



Keyed Adapter



## 2. CONTRIBUTING TO DUST BASED CONTAMINATION

Dry wiping with some common 1<sup>st</sup> generation cleaners causes **TRIBOELECTRIC EFFECT** which charges the ferrule.

When the ferrule end face has a static charge caused during the cleaning process, that static static will attract oppositely charged particles from:

- DUST IN THE AIR
- WEAR DEBRIS FROM MATING INSIDE THE ADAPTER
- DUST IN END CAPS & PORT

> 350V with cleaner's tip 13mm (0.5") away from the sensor plate at 51% relative humidity at 23°C (73°F)



## 3 SIMPLE WAY TO COMPLETELY ELIMINATE ALL 3 ISSUES

1. INSPECT FIRST ⇨ CLEAN IF NECESSARY ⇨ REINSPECT
2. Always do both ends of the connector before mating
3. Use a cleaner that will not generate static or wet to dry clean