

Heat Shrink Fiber Optic Fusion Splice Protection Sleeves

This product is a type of protection component which is designed to preserve complete environmental and mechanical integrity of coating or buffer of optical fiber after splicing.

45 mm



60 mm



Benefits

- Not affect the quality of fiber transmission
- Protect fiber node and improve the mechanical strength
- Simple operation and reduces the risk of damage to the installation of optical fiber
- Transparent sleeve, to see easily the status of fiber
- Hermetically sealed structure make fiber with a good performance of temperature resistance and humidity constantly.
- Hot melt adhesive tube made heat shrinkable outer tube to effectively encapsulate fusion splice.

Features

- Operating temperature: -55 ~100 °C
- Minimum installation temperature: 110-120 °C
- Max installation time: 60 seconds
- Standard color: Clear
- Steel rod finish: Smooth and deburred
- RoHS compliant
- Packing: 100 pcs per bag (Others for special order)

Technical Data

Performance	Test Method	Typical Data
Tensile Strength (MPa)	ASTM D 2671	18
The Rate of Elongation at Break (%)	ASTM D 2671	700
Density (g/cm ²)	ISO R1183D	0.94
The Rate of Length Change with Heating (%)	ASTM D 2671	±5

*(Please check the standard parameters) you change or add parameters

Item Ordering Information

Product Code	Item Code	Description	MOQ
YT00422	SPS-60mm_1	Fusion Splice Sleeve, 60mm	1 Sleeve
YT00556	SPS-45mm_1	Fusion Splice Sleeve, 45mm	1 Sleeve

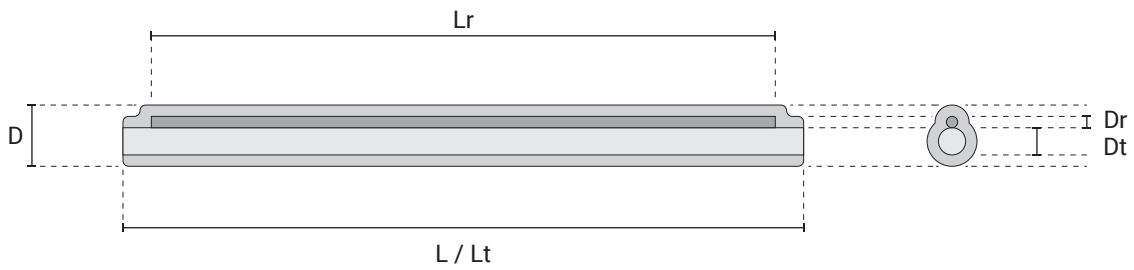
Pack Ordering Information

Product Code	Item Code	Description	MOQ
MT12239	SPS-60mm_100 Pc/Bag	Fusion Splice Sleeve, 60mm 100 Pieces	1 Bag
MT12240	SPS-45mm_100 Pc/Bag	Fusion Splice Sleeve, 45mm 100 Pieces	1 Bag

Dimensions

Model	Splice Protector		Steel Rod		Fusion Tube	
	Length (L)	Diameter (D)	Length (Lr)	Diameter (Dr)	Inner Diameter (Dt)	Length (Lt)
60 mm	60	2.3 ±1	55	1	1.3	60
45 mm	45	2.3 ±1	40	1	1.3	45

***All dimensions are in millimeters (mm)



L	Length after recovery	Lr	Rod length
D	Diameter after recovery	Dt	Fusion tube inner diameter
Dr	Steel rod diameter	Lt	Fusion tube length

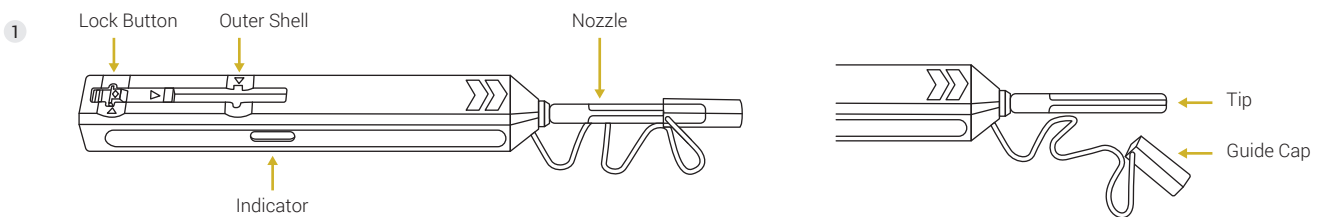
Cleaner Pen SC/ST/FC & LC

Cleaner Pen is a type of fiber end-face cleaner with high performance and efficiency. It is designed to clean both male and female optical connectors especially in optical distribution frames. One time click makes the fiber end-face clean and minimizes fiber loss.

Features

- Clean 2.5mm ferrule/connector: FC, SC, ST (UPC,APC)
- Clean 1.25mm ferrule/connector: LC (UPC,APC)
- Over 800 cycles cleaning
- Anti-static, no secondary pollution
- High clean efficiency

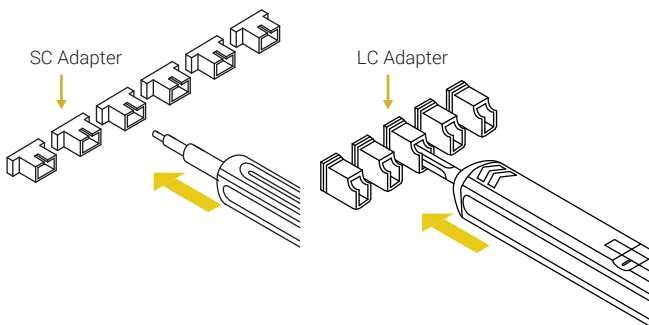
Construction



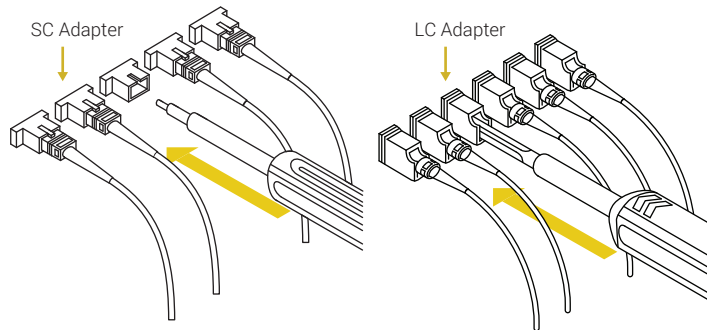
Usage Instructions

- 1 Extend the nozzle when cleaning an adapter that is between plugged adapters.

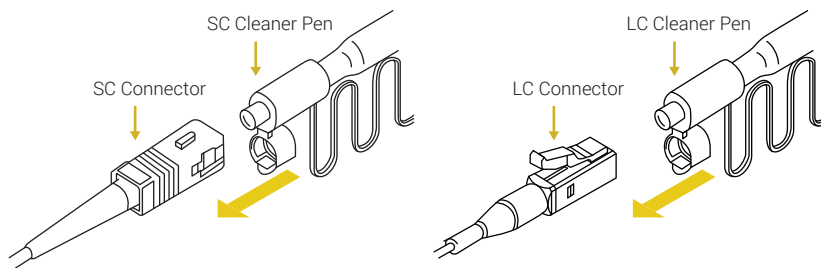
Standard Mode



Extended Nozzle Mode



- 2 Use correct cleaner pen for connector type and insert the nozzle in a straight manner



Cleaner Pen ST/SC/FC
Order Code **MT02715**



Cleaner Pen LC
Order Code **MT02716**

Cleaner Pen MTP/MPO

The MPO Cleaner is a high-performance device designed for cleaning the ferrule end-faces of MPO & MTP connectors. Cost effective tool for cleaning fiber end-faces without the use of alcohol .It saves time by effectively cleaning all fibers at once. The MPO connector cleaner is designed to clean both exposed jumper ends and connectors in adapters.

Features

- Effective on a variety of contaminants like dust and oils
- Cleans ferrule with or without guide pins
- Cleans MPO ferrule inside or outside an MTP/MPO adapter
- Narrow design reaches tightly spaced MTP/MPO adapters
- Easy one-handed operation
- Up to 600 cleanings

Usage Instructions

1 Insertion

Insert the tip of the cleaner inside the adapter in a straight manner until it reaches the ferrule surface.

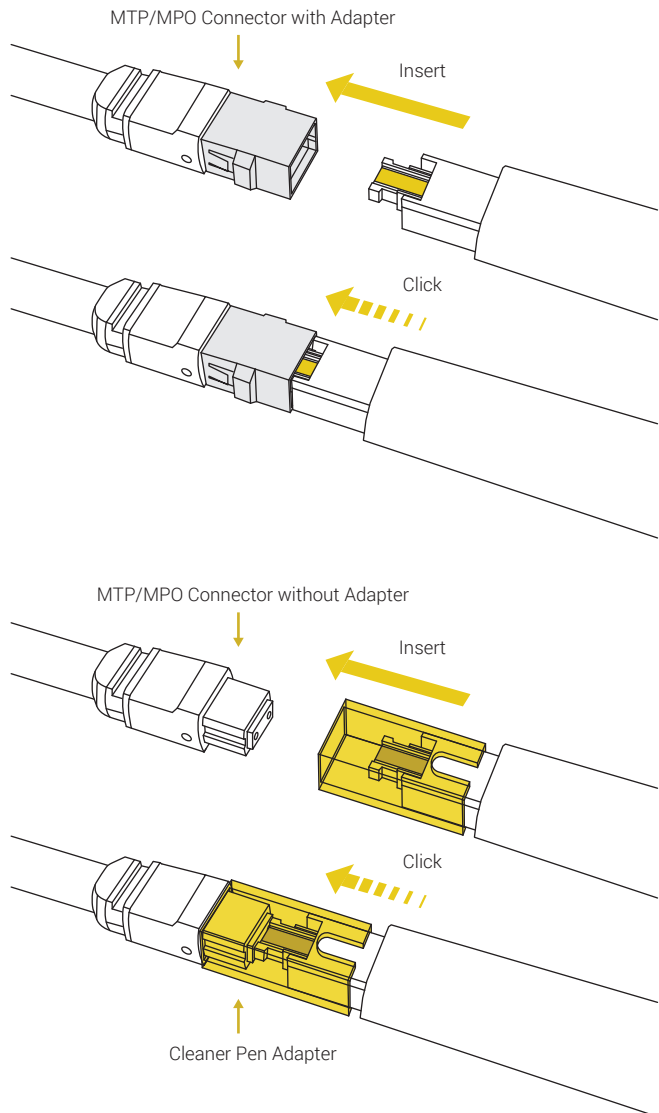
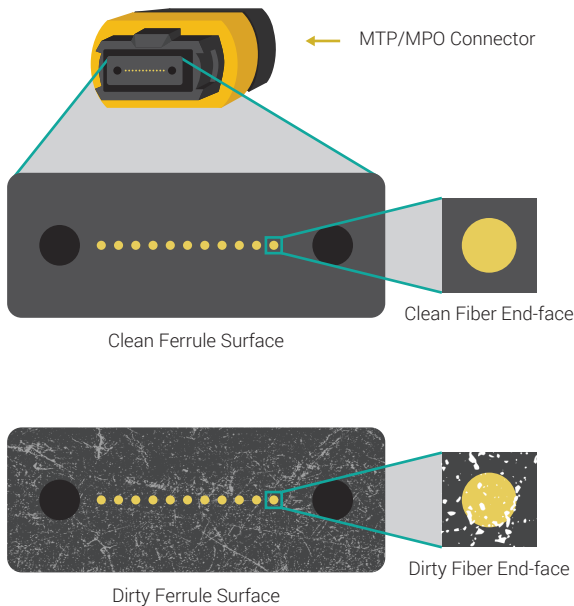
2 Clicking

Push the cleaner forward to hear a “Click” that means the ferrule surface and fiber end-faces have been wiped once. Repeat the click action 2 or 3 times for best results.

As shown below dust and liquid can stick on fiber end-faces and cause distortion of signal. That is why cleaning MTP/MPO connectors is essential to have a good network performance.



Cleaner Pen **MTP/MPO**
Order Code **MT02717**



CleanSticks SC/ST/FC & LC

These CleanSticks are designed with two models, one for cleaning fiber optic SC, ST and FC connectors with 2.5mm diameter and one for cleaning fiber optic LC connectors with 1.25mm diameter.

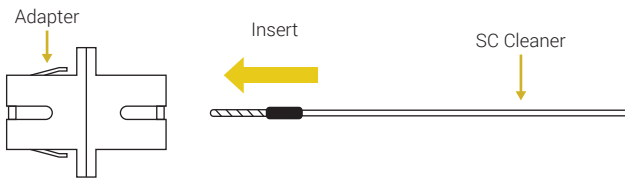
Features

- Easy to use and very efficient
- Delivers a consistently high level of cleaning performance
- Easy to clean ferrule end-faces inside the plug-in fiber optic connectors and various adapters
- Lightweight and safe to use
- Compact and disposable
- Suitable for cleaning inside adapters for dust control

Recommended Cleaning Procedure

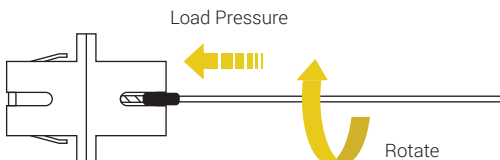
1 Insertion

Ensure that stick is held straight when inserting into the fiber optic connector ferrule.



Loading Pressure

Apply sufficient pressure (600-700 g) to ensure the soft tip is reaching the fiber end-face and filling the ferrule.



3 Rotation

Rotate the cleaning stick 4 to 5 times clockwise, while ensuring direct contact with ferrule end-face is maintained.

* Number of Possible Wipes

- - Maintenance (repair): 1 use.
- - Equipment construction: 4 uses (max).



CleanSticks **SC/ST/FC 2.5mm**
Order Code **TT00177**



CleanSticks **LC 1.25mm**
Order Code **TT00176**

Fiber Optic Cleaning Wipes

These fiber optic cleaning wipes are specially designed paper used for cleaning laboratory equipment, camera lenses, fiber optic connectors and delicate electronic items. They can clean any surface without leaving any lint or dust that may block the signal. Fiber optic cleaning wipes are ideal cleaning solution for laboratories and manufacturing facilities.

Features

- High quality low lint wipe
- Soft and non-abrasive
- Extremely absorbent
- 280 wipes per box

Applications

- Ideal for laboratories and manufacturing facilities
- Wet or dry cleaning for fiber optic connectors
- Fiber preparation before splicing or terminating connectors
- Cleaning of laboratory equipment and electronics



Fiber Optic Cleaning Wipes

Order Code **MT02625**

Fiber Optic Cleaning Cube

The Fiber Optic Cleaning Cube can be used to clean fiber optic end faces quickly with good results. It can be used for wet or dry connector cleaning and splice preparation. Fiber Optic Cleaning Cube has heavy-duty lint-free material that doesn't shred or tear. It's tough enough for buffer gel removal yet soft enough for end faces.

Features

- High quality low lint wipe
- Soft and non-abrasive
- Extremely absorbent
- 100 wipes per box

Applications

- Dry clean first whenever possible
- Avoid paper and cotton
- If dry cleaning doesn't produce desired results, use a minimal amount of special solvent dispensed from pen on a wipe
- Avoid isopropanol when cleaning end faces



Fiber Optic Cleaning Cube

Order Code **MT08783**

Optical Connector Cleaner

This fiber optic cleaning cassette is compatible with many connectors like FC, SC, ST, LC, and MU. It can eliminate contaminants such as oil, dust and dirt particulates that cause fiber loss and may cause permanent damage to fiber connectors. The optical connector cleaning cassette has a tape of anti-static microfiber cleaning fabric that dose one wipe with each click, and the cleaning cassette can clean up to 500 connectors.

Features

- Designed so that all operators can consistently achieve high quality cleaning without alcohol or other solvents.
- Palm-sized and lightweight. Easy and safe to use whether in the engineering lab, on the production line, or in the field.
- Cleaning tape is replaceable and cost effective.
- One cleaning tape can be used for over 500 wipes.
- Has excellent anti-static properties to avoid reattachment of dust to the ferrule after cleaning.



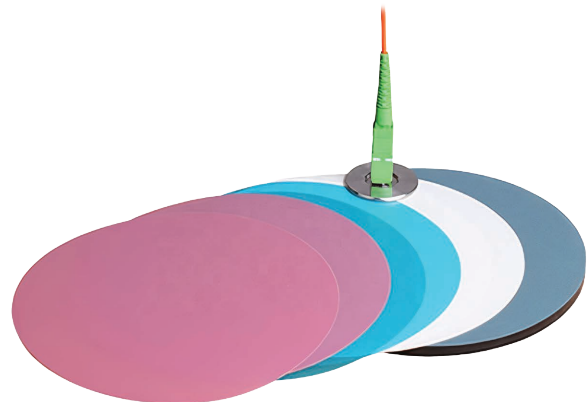
Spare Cleaning Tape

This cleaning tape reel is used with the optical connector cleaner cassette. It can eliminate contaminants such as oil, dust and dirt particulates that cause fiber loss and may cause permanent damage to fiber connectors. The tape is made of anti-static microfiber cleaning fabric that dose one wipe with each click and the cleaning tape can last up to 500 cleans.



Polishing Pads 127mm

Polishing film are used for polishing optical fibers to insure the minimum rate of insertion loss and they are 127mm (5"). Fiber polishing pads can have a surface made of diamond, silicon carbide, silicone dioxide or glass. Some of them are used manually and some are used with polishing machines. Every type of polishing pad has a different roughness like 1µm, 9µm, 30µm or more.



EDJ5D-1U
Diamond
1µm



EDJ5D-9U
Diamond
9µm



GA5D
Silicone Carbide
30µm



XF5D
Silicone Dioxide
Final



PR5X-500
Silica Gel
70,75,80,85,90 Shore

IBC Cleaning Pens

Cleaner Pen is a type of fiber end-face cleaner with high performance and efficiency. One click is enough to make the fiber end-face clean and minimize fiber loss. Cleaner Pen is anti-static and has 525+ cleaning operation capacity. Each type of pen is designed to clean a different type of connectors.

Features

- 525+ cleaning engagements per unit
- Anti-static system produces pristine end face and minimizes contaminant attraction
- Cleans cable assembly in hand as well as behind panels
- Non-fraying cloth design
- Simple push to clean action
- Push Style Port Cleaner

Compatibility

Cleaner	Cleaned Connectors and Adapters	Size
SC	SC, FC, ST, D4, E2000	2.5mm
LC	LC, MU	1.25 mm
M16	MIL DTL 38999	1.6 mm
M20	SMPTE 304M / MIL / COTS	2.0 mm
H125	Harsh Environment Connectors ARINC 800, ODC series, LuxCis series, MXL38999, MIL PRF 64266 [NGCON], Neutrik opticalCON	1.25 mm



SC



LC



M16



M20



H125

Connector Ferrule Cleaning Wire

Connector Ferrule Cleaning Wire provides an easy way to save a fiber optic connector when an optical fiber breaks inside the ferrule during connectorization. Connector Ferrule Cleaning Wire also enables you to remove broken optical fiber from bare fiber adapters. It is also useful the 102µm diameter wire in the fiber optic connectorization process to apply fiber optic epoxy to protruding fiber at the connector ferrule. Sticky colored tabs are included, providing you with an easy way to hold the thin wire during use. Connector Ferrule Cleaning Wire is sold in containers with 8 pieces of 7,5 cm piano wire per container.

