



## **Contents** [ [hide](#) ]

- [1 FS One Push Fiber Cleaner](#)
- [2 Product Usage Instructions](#)
- [3 The Importance of Cleaning](#)
- [4 Good Cleaning Practices](#)
- [5 Usage Instructions](#)
- [6 Cassette Cleaner Instructions](#)
- [7 Single Fiber Cleaning Tools](#)
- [8 Features](#)
- [9 Specification](#)
- [10 Ordering Information](#)
- [11 FAQ](#)
- [12 Documents / Resources](#)
  - [12.1 References](#)



## **FS One Push Fiber Cleaner**



## Specifications

- **Connector Type:** LC/MU, SC/FC/ST/LSH, MT
- **Polish Type:** PC/UPC/APC
- **Ferrule Size:** 1.25mm, 2.5mm
- **Use Type:** Disposable/Replaceable
- **Number of Cleanings:** Varies per tool

## Product Usage Instructions

### Single Fibre Cleaner Instructions

1. **Cleaning cable assemblies in bulkhead adapters:**
  - Remove the guide cap from the cleaner
  - Insert the tip of the cleaner into the adapter
2. **Cleaning unmated cable assemblies:**
  - Push the cleaner into the adapter until the click signals completion
  - Open the cover of the guide cap
  - Insert the connector into the guide cap

### Multi-fibre Cleaner Instructions

1. **Cleaning cable assemblies in bulkhead adapters:**

- Push the cleaner into the connector until the click signals completion
- Remove the guide cap and place it on the cap holder
- Insert the tip of the cleaner into the adapter

## 2. Cleaning unmated cable assemblies:

- Push the cleaner into the adapter until the click confirms completion
- Open the cover of the guide cap
- Insert the connector into the guide cap
- Push the cleaner into the connector until the click confirms completion

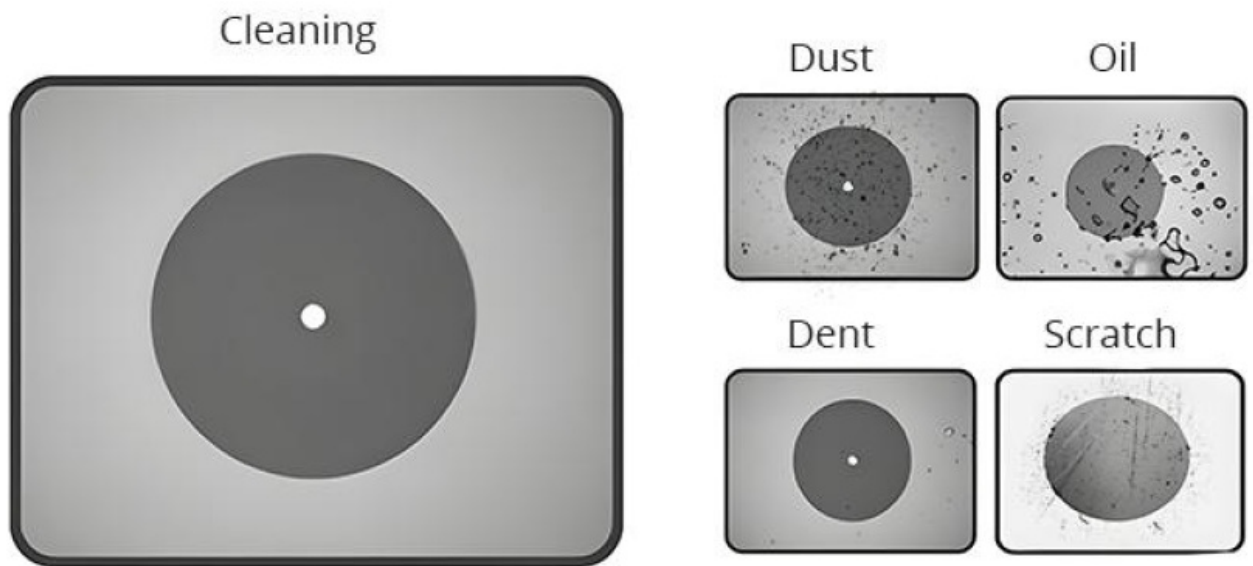
## Cassette Cleaner Instructions

### 1. Cleaning unmated cable assemblies

- Take up the winding reel until the new cleaning tape appears in the window in the direction of the arrow
- Slide the connector while pressing its ferrule end-face against the tape in the direction of the arrow

## The Importance of Cleaning

- A clean fibre optic connector is essential for maintaining optimal performance in any optical network.
- Even tiny contaminants—such as dust, oils, moisture, or other residues—can cause significant signal loss, increased reflectance, and permanent damage when connectors are mated.
- Proper cleaning techniques, high-quality tools, and regular maintenance help ensure.
  - **Maximised Signal Integrity:** Prevent power loss and maintain high-speed data transmission.
  - **Avoid Cross-Contamination:** Stop contaminants from spreading between connectors.
  - **Minimise Long-Term Damage:** Reduce the risk of scratches and permanent defects.



## Good Cleaning Practices

### Inspect-Clean-Inspect

1. **Always inspect both connectors before mating**
2. **Mating dirty connectors may:**
  - Cross-contaminate both connectors
  - Scratch and pit the ferrule end face
3. **Inspecting and cleaning before mating will:**
  - Prevent permanent damage to connectors
  - Reduce troubleshooting time
  - Reduce material costs
  - Improve signal quality
4. **Make keeping fibre optic connectors clean a priority**
  - Develop inspection and cleaning procedures
  - Train your team regularly on how to inspect and clean your connectors

## Usage Instructions

### Single Fiber Cleaner Instructions

1. **Cleaning cable assemblies in bulkhead adapters:**
  - Remove the guide cap from the cleaner
  - Insert the tip of the cleaner into the adapter
  - Push the cleaner into the adapter until the click signals completion



## 2. Cleaning unmated cable assemblies:

- Open the cover of the guide cap
- Insert the connector into the guide cap
- Push the cleaner into the connector until the click signals completion



## Multi-fibre Cleaner Instructions

### 1. Cleaning cable assemblies in bulkhead adapters:

- Remove the guide cap and place it on the cap holder
- Insert the tip of the cleaner into the adapter
- Push the cleaner into the adapter until the click confirms completion



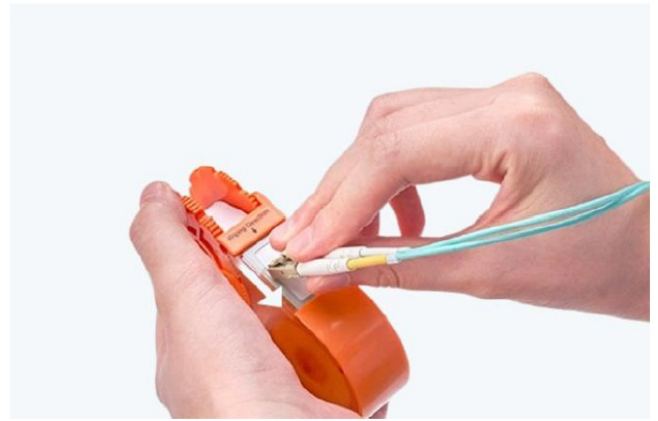
### 2. Cleaning unmated cable assemblies:

- Open the cover of the guide cap
- Insert the connector into the guide cap
- Push the cleaner into the connector until the click confirms completion



## Cassette Cleaner Instructions

### 1. Cleaning unmated cable assemblies:



- Take up the winding reel until the new cleaning tape appears in the window in the direction of the arrow
- Slide the connector while pressing its ferrule end-face against the tape in the direction of the arrow

## Single Fiber Cleaning Tools

- The single fibre cleaners are designed to effectively clean various single fibre connectors such as LC/MU, SC/FC/ST/LSH and MDC, both residing in an adapter or fibre optic panel and unmated.
- They feature a novel dry cleaning strand to gently sweep and lift away dust and debris from the connector end face that eliminates the need to use solvents for an effective clean.
- A simple pushing motion to engage the tool, an audible CLICK to alert the operator that the tool is fully engaged, and a dust cap attached by a lanyard to prevent losing it.

## Features

- Available in 525+/750+ Cleaning Engagements Per Unit
- Available for LC/SC/FC/ST/LSH/MU/MDC Connectors
- Simple Push to Clean the Ferrule End Face of Connectors on Cables or in Adapters
- Eliminating the Need to Use Solvents for Effective Cleaning
- A Lanyard attaches the Dust Cap to Prevent Losing It
- Removing Oil, Dust, and Dirt Without Damaging Delicate Fibre End-faces

## Specification

	<b>ATC-NE-E1</b>	<b>ATC-NE-E3</b>	<b>14303</b>	<b>22046</b>	<b>PCLCSX</b>
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ID	<a href="#">#39721</a>	<a href="#">#39725</a>	<a href="#">#106398</a>	<a href="#">#139603</a>	<a href="#">#321467</a>
Brand	NEOCLEAN	NEOCLEAN	US Conec	US Conec	FS
Connector Type	LC/MU	SC/FC/ST/LSH	LC Duplex	MDC	LC/MU
Polish Type	PC/UPC/APC	PC/UPC/APC	PC/UPC/APC	PC/UPC/APC	PC/UPC/APC
Ferrule Size	1.25mm	2.5mm	1.25mm	1.25mm	1.25mm
Use Type	Replaceable	Replaceable	Disposable	Disposable	Disposable
Number of Cleanings	≥ 750 times	≥ 750 times	≥ 525 times	≥ 525 times	≥ 525 times

## Multi-fibre Cleaning Tools

- The multi-fiber cleaning tools are designed for cleaning the MT-based connector systems loaded in a bulkhead adapter, on the card edge, on a backplane and can even be used to clean unmated cable assemblies using the alignment cap.
- The design of the multi-fibre cleaning tools allows them to clean both the female (pinless) and male (pinned) connectors. The multi-fibre cleaners feature a nozzle that is keyed for precise alignment of the cleaning tip to the fibre array.

## Features

- 525+ Cleaning Engagements Per Unit
- Available for MTP®/MPO-8/12/16/24 Connectors
- Simple Push to Clean the Ferrule End Face of Connectors on Cables or in Adapters
- Eliminating the Need to Use Solvents for Effective Cleaning
- Removing Oil, Dust, and Dirt Without Damaging Delicate Fibre End-faces

## Specification

	ATC-NE-M1	ATC-NE-M2	7104	17669
ID	<a href="#">#39697</a>	<a href="#">#85849</a>	<a href="#">#106327</a>	<a href="#">#106397</a>
Brand	NEOCLEAN	NEOCLEAN	US Conec	US Conec
Connector Type	MTP®/MPO-8/12/24	MTP®/MPO-16	MTP®/MPO-8/12/24	MTP®/MPO-16
Polish Type	PC/UPC/APC	PC/UPC/APC	PC/UPC/APC	PC/UPC/APC
Ferrule Type	MT	MT	MT	MT
Use Type	Disposable	Disposable	Disposable	Disposable
Number of Cleanings	≥ 600 times	≥ 600 times	≥ 525 times	≥ 525 times

## Cassette Cleaning Tool

- The fiber optic cassette cleaner wipes away contaminants from the optical connector end face with ease. The cleaning tape does not produce dust and provides special cleaning strength while resisting foreign particles from mixing into the tape.
- The tape advance mechanism has been simplified, reducing the number of assembly parts to a minimum, resulting in cost reductions for both manufacturing and assembly.

## Features

- 400+ Cleaning Engagements Per Unit
- Available for LC/SC/FC/ST/MU/MTP®/MPO Female Connectors
- Eliminating the Need to Use Solvents for Effective Cleaning
- Removing Oil, Dust, and Dirt Without Damaging Delicate Fiber End-faces
- Cleaning Micro Fibers are Densely Stranded and Debris Free

## Specification



	<b>ATC-NE-R2</b>
ID	<a href="#"><b>#91449</b></a>
Brand	NEOCLEAN
Connector Type	LC/SC/FC/ST/MU/MTP®/MPO Female
Polish Type	PC/UPC/APC
Use Type	Disposable
Number of Cleanings	≥ 400 times

## Fiber Cleaning Sticks

- Fiber cleaning sticks are made of high-quality polyester and polyurethane. The handle material is polypropylene, and superfine fibers are utilised for effective cleaning.
- Cleaning is achieved by inserting the microfiber tip inside the adapter's aperture and twisting it once. Or being used to cleaning fiber connectors, just lightly press or wipe, and you can complete the cleaning.
- The microfiber material allows the user to clean installed connector end faces without scratching the surface and ensures a perfect clean the first time.

## Features

- Support Removing Pollutants on the End Face and Improving Transmission Quality
- Micro Fibre Captures Tiny Contaminants Safely
- Various Model Sticks for LC/MU/SC/FC/ST/LSH Connectors
- Simple Operation for Only Lightly Pressing or Wiping to Complete the Cleaning
- For the Fibre Industry, Hard Drive Manufacturing, Lab Maintenance, etc.

## Specification

	FWCS-701	FWCS-702	ATC-NS-125	ATC-NS-250
<b>ID</b>	<a href="#">#14010</a>	<a href="#">#11430</a>	<a href="#">#190742</a>	<a href="#">#190743</a>
Brand	FS	FS	NEOCLEAN	NEOCLEAN
Connector Type	LC/MU	SC/FC/ST/LSH	LC/MU	SC/FC/ST/LSH
Ferrule Size	1.25mm	2.5mm	1.25mm	2.5mm
Use Type	Disposable	Disposable	Disposable	Disposable
Package Contents	100pcs/Pack	100pcs/Pack	200pcs/Pack	200pcs/Pack

## Fiber Cleaning Wipes

- Fiber Cleaning Wipes are made of 100% pure wood pulp to help prevent contamination. The dispenser box has a pop-up hole that helps to dispense wipes one at a time and prevent electrostatic shock.
- Used with alcohol, this near-lint-free tissue is ideal for fiber and connector end face cleaning. Besides, they can be used to wipe small quantities of solvents or other liquids from hands, tools, equipment, or other surfaces.












## Features







- 100% Natural Virgin Wood Pulp, Environmentally Friendly
- Portable Pull-out Design to Avoid Cross-contamination
- Anti-static Design, Reduces Lint and Static
- Wet and Dry Use, Oil and Water Absorption
- Widely Used in Industries with High Requirements for Dust-free

## Specification

	<b>FOCW-X04</b>
ID	<a href="#"><b>#162909</b></a>
Brand	FS
Color	White
Material	Pure Wood Pulp
Use Type	Disposable
Package Contents	280pcs/Pack

**Ordering Information**

ID	Appearance	Description
#39721		NEOCLEAN-E LC/MU 1.25mm One-Push Pen Cleaner (750+ Times)
#39725		NEOCLEAN-E SC/FC/ST/LSH 2.5mm One-Push Pen Cleaner (750+ Times)
#39697		NEOCLEAN-M MTP*/MPO-8/12/24 One-push Cleaner (600+ Times)
#85849		NEOCLEAN-M2 MTP*/MPO-16 One-push Cleaner (600+ Times)
#39710		NEOCLEAN-E Pen Replacement Cartridge for 1.25mm LC/MU One-Push Cleaner (3 pcs/set)
#39712		NEOCLEAN-E Pen Replacement Cartridge for 2.5mm SC/FC/ST/LSH One-Push Cleaner (3 pcs/set)
#106398		US Conec IBC™ Brand Cleaner LC², for LC Duplex Connectors (525+ Times)
#139603		US Conec IBC™ Brand Cleaner MDC, for MDC Connectors (525+ Times)
#106327		US Conec IBC™ Brand Cleaner MPO II, for 8/12/24 Fibers MPO Connectors (525+ Times)
#106397		US Conec IBC™ Brand Cleaner MTP*-16, for 16 Fibers MPO Connectors (525+ Times)
#321467		FS IBC™ One-Push Pen Cleaner, for 1.25mm LC/MU Connectors (525+ Times)


ID	Appearance	Description
#91449		NEOCLEAN-R2 Fiber Optic Cassette Cleaner for LC/SC/FC/ST/MU/MTP/MPO Connectors (400+ Times)
#14010		1.25mm Fiber Optic Lint-free Foam Clean Swabs (100pcs/Pack)
#11430		2.5mm Fiber Optic Lint-free Foam Clean Swabs (100pcs/Pack)
#162909		Dust-free Anti-static Fiber Cleaning Wipes 280/Box
#190742		NEOCLEAN-S Fiber Optic Cleaning Sticks 1.25mm, Anti-static Grade (200pcs/Pack)
#190743		NEOCLEAN-S Fiber Optic Cleaning Sticks 2.5mm, Anti-static Grade (200pcs/Pack)

[www.fs.com](http://www.fs.com)

## FAQ



- **Q: How many times can the cleaning tools be used before replacement?**
  - **A:** The number of cleanings varies per tool. Please refer to the specifications section for details on each tool's usage limit.
- **Q: Are the cleaning tapes in the cassette cleaner disposable?**
  - **A:** Yes, the cleaning tapes in the cassette cleaner are disposable and provide special cleaning strength while resisting foreign particles from mixing into the tape.

## Documents / Resources

	<a href="#">FS One Push Fiber Cleaner [pdf]</a> User Guide One Push Fiber Cleaner, One Push, Fiber Cleaner, Cleaner
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## References

- [User Manual](#)

 Cleaner, Fiber Cleaner, FS, One Push, One Push Fiber  
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