

### Connector Cleaning Tools

Clean all common connectors with these two cleaning tools. They feature a dry cloth designed to clean single fiber connectors residing in an adapter, faceplate or bulkhead. An easy push-action engages the connector, the system rotates 180° and an audible click is heard. Each unit provides over 525 cleanings.

**846X900** 9392 Cleaner, SC/ST/FC/E2000

**846X905** 9393 Cleaner, LC/LC Secure Key/MU



### Push-Type Cleaners

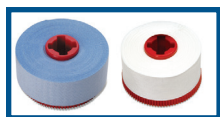
These tools clean connectors in both jumpers and bulkhead adapters. They remove oil, dust and dirt without damaging fiber end-faces. Clean connectors in tight spaces with them, for field or laboratory use. They feature a low cost per clean.

**812X912** 8500-05-PRO-SC Pro SC Cleaner (775+ cleans)

**812X914** 8500-05-PRO-LC Pro LC Cleaner (775+ cleans)



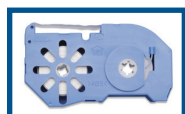
## CLETOP



### CleTOP® Classic Cassette Cleaners

The Classic Cletop series uses replaceable tape reels for economical cleaning. The compact and lightweight design is ideal for use in laboratories, assembly lines or in the field. Cletop cassettes offer consistent cleaning results without IPA alcohol which is toxic, flammable and leaves a residue on fiber ends. They have excellent anti-static properties that minimize reattachment of dust to ferrules after cleaning and make them suitable for static sensitive applications.

Clean 2.5-mm and 1.25-mm ferrules on a wide variety of connectors with Cletop's specially formulated 2-µm fiber weave dry cloth. This cloth is effective in removing oil, grease and dust from ferrule surfaces and lifts all dirt through capillary action. The push button shutter operation exposes the cleaning tape. One tape reel gives over 400 connectors cleanings.



### CleTOP-S® Cassette Cleaners

CleTOP-S Series of cassette cleaners offers quality cleaning performance with a few design advances. The case has a slide open lock for easy access to replacement cartridges; they just drop in. The central push button makes it easy for both left and right handed operators to use. Both the cleaning cassettes and tape cartridges are made of anti-static material. The 2-µm fiber weave dry cloth lifts dirt, oil, grease and dust from ferrule surfaces through capillary action, trapping it in its micro pockets without using solvents. Each tape gives over 400 connector cleanings.



### OPTIPOP R Cassettes















OPTIPOP R compact dry cloth cassette-style cleaners remove contaminants that come into contact with ferrules and negatively impact performance. All components are manufactured with antistatic materials. The cloth captures contaminants in a single pass, leaving no residue. Just one squeeze of the lever advances and exposes the required amount of fresh fabric for each cleaning. Each tape gives over 400 connector cleanings.

Stock No.	Description	Part No./Connector Types
<b>716X074</b>	Type A Blue tape	8500-10-0027MZ SC, FC, ST, D4 (Single 2.5 mm)
<b>719X500</b>	Type A White tape	8500-10-0011MZ SC, FC, ST, D4 (Single 2.5 mm)
<b>716X076</b>	Type B Blue tape	8500-10-0028MZ SC, SC2, FC, ST, DIN, D4, MU, LC, MT, MPO/MTP (no pins), MT-RJ (no pins)
<b>716X078</b>	Type B White tape	8500-10-0014MZ SC, SC2, FC, ST, DIN, D4, MU, LC, MT, MPO/MTP (no pins), MT-RJ (no pins)
<b>716X052</b>	MPO/MTP White tape	8500-10-0033MZ MPO/MTP with pins
<b>719X700</b>	Blue tape Repl. Reel	8500-10-0012MZ Coarse-weave
<b>716X080</b>	White tape Repl. Reel	8500-10-0015MZ Fine-weave

Stock No.	Description	Part No./Connector Types
<b>716X082</b>	Type SA Blue tape	8500-10-0020MZ SC, FC, ST, D4 (Single 2.5 mm)
<b>716X084</b>	Type SB Blue tape	8500-10-0029MZ SC, SC2, FC, ST, DIN, D4, MU, LC, MT, MPO/MTP (no pins), MT-RJ (no pins)
<b>151X600</b>	Type SB White tape	8500-10-0016MZ SC, SC2, FC, ST, DIN, D4, MU, LC, MT, MPO/MTP (no pins), MT-RJ (no pins)
<b>716X088</b>	Blue tape Repl. Cartridge	8500-10-0021MZ Coarse-weave
<b>151X612</b>	White tape Repl. Cartridge	8500-10-0017MZ Fine-weave

Stock No.	Part No.	Description
<b>846X338</b>	6338	For all single fiber and female MT ferrule connectors
<b>846X339</b>	6339	For male MTP/MPO connectors with pins
<b>846X340</b>	6340	For male MT-RJ connectors with pins
<b>846X437</b>	6437	Two slots for LC duplex connectors
<b>846X814</b>	8057	For OptiTap plug connectors on FTTX drop cables.
<b>846X232</b>	6232	Cleaning Cloth Replacement Reel, 1 ea.

**Fiber Cleaning Pens** are a simple option for cleaning connectors in adapters and exposed ferrules. They feature a push-style action with audible click that advances fresh cleaning tape for each use, delivering consistent cleaning results to fiber endfaces. Cleaning cloths are made of optical grade fibers which are highly effective at removing oils and contaminants. They are enclosed in a hard case with a dust cap that serves as an adapter for cleaning unmated connectors and cable assemblies.

	Stock No.	Part No.	Description	Connector Types
	<a href="#">716X062</a> <a href="#">812X174</a>	8500-05-0030MZ 8500-05-0013MZ	Cleaner MPO tool cleans MPO and MTP® multi-fiber connectors in high density optical networks. 500 cleanings per tool.	MPO and MTP® exposed connectors and connectors in adapters
	<a href="#">846X710</a>	7104	MTP® MPO tool cleans fiber arrays in bulk-head, card edge, backplane or unmated cable assembly. 525 cleanings per tool.	Male, female, flat polished MM, and 8° angled SM MT ferrules
	<a href="#">812X189</a>	8500-05-0007MZ	Ultra 2.5-mm tool with enlarged cleaning area cleans connectors on jumpers and in adapters. 500 cleanings per tool	Up to a 2 mm diameter of the connector end-face on ST, SC and FC connectors
	<a href="#">846X140</a>	12910	1.25-mm tool cleans single fiber connectors in adapters, faceplates or bulkheads. 525 cleanings per tool.	Outdoor and harsh environment 1.25-mm connectors
	<a href="#">846X242</a>	14303	LC <sup>2</sup> tool cleans duplex LC connectors in bulk-head adapters and unmated cable assemblies. 1050 cleanings per tool.	Duplex LC connectors with PC and APC polishes
	<a href="#">846X202</a>	13310	M250 tool cleans 2.5-mm single fiber connectors in harsh environments with large surface areas. 525 cleanings per tool.	PC/APC polished 2.5-mm – SC, ST, FC, E2000 and OptiTap®
	<a href="#">846X160</a>	12926	M20 tool cleans SMPTE and MIL/COTS 2.0-mm connectors in adapters, faceplates or bulkheads. 525 cleanings per tool.	SMPTE 304M, SMPTE 358M and MIL PRF 28876 2.0-mm
	<a href="#">846X912</a>	9959	HBMT-EN extended nozzle tool has a 14" reach to clean backplane and card edge connectors. 525 cleanings per tool.	Multimode MPO & Molex HBMT connectors, M/F MT ferrules
	<a href="#">846X260</a>	15546	MT38 II cleans fiber arrays on MT based M38999 and other hardened connectors. 525 cleanings per tool.	MT based M38999 connectors, M/F, flat/angled MT ferrules
	<a href="#">846X200</a>	13309	M16 tool cleans 1.6 mm plug and socket terminations of M38999 connectors. 525 cleanings per tool.	Harsh environment MT based M38999 1.6-mm plugs and sockets
	<a href="#">054X209</a> <a href="#">054X205</a>	FCC-125 FCC-250	These ESD-safe ferrule end face cleaners clean deep into the contact area of a bulkhead adapter or connector. 800 cleanings per tool.	LC and MU connectors on 1.25 mm cable SC, ST and FC connectors on 2.5 mm cable
	<a href="#">213X120</a> <a href="#">213X110</a>	MCC-CCU250 MCC-CCR250	CleanClicker™ 750 tool is a 2.5-mm cleaner for high-volume applications. Blue CleanClicker 750 is the replacement cartridge. 750 cleanings per cartridge.	SC, FC, ST and E2000 UPC/APC connectors Refill cartridges come 2/ package
	<a href="#">213X115</a> <a href="#">213X105</a>	MCC-CCU125 MCC-CCR125	CleanClicker™ 750 tool is a 1.25-mm cleaner for high-volume applications. Green CleanClicker 750 is the replacement cartridge. 750 cleanings per cartridge.	LC and MU UPC/APC connectors Refill cartridges come 2/ package
	<a href="#">213X100</a>	MCC-CCMPO	CleanClicker™ 600 keyless tool for MPO/MTP multifiber connectors in high-density applications. 600 cleanings per tool.	Male and female MPO and MTP multifiber connectors