FIBER OPTIC CONNECTOR CLEANERS 2014/2015



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FIBER OPTIC CONNECTOR CLEANERS

Today's optical networking components requiring minimal insertion loss and back reflections demand, quick reliable cleaning solutions. Fiber tips containing even trace amounts of debris not only suffer from power degradation but also an increased likelihood of permanent damage when mated.

Product variations include a variety of solutions that make it easy to use on most fiber connector types, and in any fiber or lens cleaning situation. The cost and performance of these cleaning tools make it an easy choice over competitive solutions.

Features

- · Minimizes static attraction
- Ultra clean micro-fiber cloth captures debris and other contamination
- The cloth is robust, it does not fray or leave any fibrous materials behind
- The most cost effective high-end cleaning solution available

Cleaning Tool Options

Single Fiber Cleaning Tools	Multifiber Cleaning Tools
NEOCLEAN E Refillable Cleaners IBC™ Brand Cleaners	IBC TM Brand Cleaners NEOCLEAN-M Cleaning Adapters
Refillable Cassette Cleaning Tools	Stick & Pipe Cleaning Tools
OPTIPOP R NEOCLEAN PZ CLETOP & CLETOP - S	NEOCLEAN S OPTIPOP P CLETOP

Where To Buy?

For additional information about our fiber cleaning solutions, please contact Customer Service at : phone 828.323.8883 • Toll free: 800.769.0944

Online: www.usconec.com



The NEOCLEAN E is refillable and simple to use. It is effective at removing oil and dust contamination that can negatively impact optical performance.

Features

- Easy pushing motion to engage tool
- Tool offers 700 cleanings
- · Refillable option lowers cost per clean
- Cleaning micro fibers are densely stranded and debris free
- Dust cap lid opens to clean unmated connectors
- The cleaning tip has single 360° rotation motion
- Lanyard prevents the dust cap from getting lost
- RoHS Compliant

- Fiber network panels and assemblies
- Outdoor FTTX applications using SC, FC, LC or MU connectors
- · Cable assembly production facility
- Testing laboratories
- Data centers
- · Central office



NEOCLEAN E1 for 1.25mm

Cleans 1.25mm LC and MU connectors Cleans connectors in the bulkhead adapter and on a cable assembly Uses refill 12838



NEOCLEAN E3 for 2.5mm

Cleans 2.5mm SC, ST, FC and E2000 connectors Cleans connectors in the bulkhead adapter and on a cable assembly Uses refill 14623

NEOCLEAN E Refillable Cleaning Tools

US Conec Part Number	NTT-AT Part Number	Description
12836	ATC-NE-E1	NEOCLEAN E1 1.25mm LC and MU Connectors
14137	ATC-NE-E3	NEOCLEAN E3 2.5mm SC, ST, FC and E2000 Connectors

NEOCLEAN E Refillable Cleaning Tool Refills

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US Conec Part Number	NTT-AT Part Number	Description
12838	ATC-NE-ES1	NEOCLEAN E1 1.25mm Refill Pack
14623	ATC-NE-ES3	NEOCLEAN E3 2.5mm Refill Pack

The US Conec IBCTM Brand Cleaners are mechanical cleaning tools designed to clean connectors residing in an adapter or faceplate

The IBC™ Brand Cleaners are effective at removing the following contaminates:

Arizona Road Dust (ISO 12103-1)	Skin Oil Residue	Salt Water Residue
Alcohol Residue	Vegetable Residue	Hand Lotion
Distilled Water Residue	Graphite	T-shirt Lint

Features

- · Simple pushing motion to engage tool
- Audible CLICK to alert the operator when tools is fully engaged
- Over 525+ engagements per unit
- Cleans connectors loaded in a bulkhead adapter and on unmated cable assemblies
- Dry cleaning strand eliminates the need for solvents to be effective
- Crush resistant to over 250N
- Impact resistant to survive drops over 1.5M

Applications

- Telecom Central Offices
- Data Centers
- Cable Television Head End
- Outside Plant and Fiber To The Home
- Fiber to The Antenna for WiMax and Cellular Networks
- Fiber Optic Broadcasting including HDTV
- Fiber Optic Military and Civilian Aviation
- Military and Civilian Maritime Optical Networks

and unmated connectors. The IBC™ Brand Cleaning tools use a novel dry cleaning strand

to gently sweep and lift away dust and residues from the connector end face.

• Fiber Optic Satellite Communication Systems

IBC™ Brand Cleaning Tools for 2.5mm Connectors



IBC™ Brand Cleaner SC

Cleans SC, ST, FC and E2000 connectors with PC and APC polishes



IBC™ Brand Cleaner HC

Cleans OptiTap® connectors in FTTx applications



IBC™ Brand Cleaner M250

Cleans SC, ST, FC, E2000 and OptiTap® connectors with PC and APC polishes Cleans harsh environment 2.5mm based connector systems - TFOCA

Cleans plug and socket termini

1.8mm cleaning region



IBC™ Brand Cleaner Zi25

Cleans SC, ST, FC, E2000 and OptiTap $^{ ext{0}}$ connectors with PC and APC polishes

Reduced housing -109mm $[4.3 \pm]$

Cleans harsh environment 2.5mm based connector systems - TFOCA

Compact size

Includes Retractable Zipcord

IBC™ Brand 2.5mm Cleaning Tools Ordering Information

US Conec Part Number	Description
9392	IBC™ Brand Cleaner SC
9394	IBC™ Brand Cleaner HC
13310	IBC™ Brand Cleaner M250
13964	IBC™ Brand Cleaner Zi25

IBC™ Brand Cleaning Tools for 1.25mm Connectors



IBC™ Brand Cleaner LC

Cleans LC and MU connectors with PC and APC polishes



IBC™ Brand Cleaner H125

Cleans LC and MU connectors with PC and APC polishes

Cleans harsh environment 1.25mm based connector systems – ARINC 800, ODC series, MXL38999, LuxCis series, MIL PRF 64266 (NGCON), Neutrik opticalCON

Features a flexible cleaning tip that up to 30° bend without damage

Cleans plug and socket termini



IBC™ Brand Cleaner Zi125

Cleans LC and MU connectors with PC and APC polishes

Reduced housing — 110mm (4.3"±)

Compact size

Includes Retractable Zipcord



IBC™ Brand Cleaner LC²

Cleans LC duplex connectors with PC and APC polishes

1050+ cleaning per unit

Cleans duplex LC connectors loaded in a bulkhead adapter and on unmated cable assemblies

IBC™ Brand 1.25mm Cleaning Tools Ordering Information

US Conec Part Number	Description
9393	IBC™ Brand Cleaner LC
12910	IBC™ Brand Cleaner H125
13965	IBC™ Brand Cleaner Zi125
14303	IBC™ Brand Cleaner LC²

IBC™ Brand Cleaning Tools for Specialty Connectors



IBC™ Brand Cleaner M20

Cleans harsh environment 2.0mm based connector systems – SMPTE 304M and SMPTE 358M and MIL PRF 28876

Cleans plug and socket termini



IBC™ Brand Cleaner M16

Cleans harsh environment 1.6mm based connector systems M38999

Cleans plug and socket termini



IBC™ Brand Cleaner ZiA125

Cleans MIL/AERO 1.25mm connectors

Compact size

Includes Retractable Zipcord



IBC™ Brand Cleaner GA16

Cleans harsh environment 1.6mm based connector systems-M38999

Reduced housing-109mm (4.3")

Cleans plug and socket termini

Cleans through Glenair M38999 test adapters

Includes Wrist Lanyard



IBC™ Brand Cleaner G1000

Cleans Glenair Mighty Mouse 20 series and other MIL/AERO 1.0mm connectors Includes Retractable Zipcord

IBC™ Brand Specialty Cleaning Tools Ordering Information

US Conec Part Number	Description
12926	IBC™ Brand Cleaner M20
13309	IBC™ Brand Cleaner M16
14649	IBC™ Brand Cleaner ZiA125
14829	IBC™ Brand Cleaner GA16
15523	IBC™ Brand Cleaner G1000

The US Conec IBC™ Brand Cleaners MT series mechanical cleaning tools are designed for cleaning the fiber arrays on MT based connector systems. These tools are capable of cleaning MT based connector systems loaded in a bulkhead adapter, on the card edge, the backplane and on unmated cable assemblies. The IBC™ Brand Cleaners will clean both female (no guide pin) and male (with steel guide pins). These tools will clean both flat polished multimode and 8° angled singlemode MT ferrules.

There are some MT based connector systems that require the use of an adapter to align the IBC $^{\text{TM}}$ Brand Cleaning tools. The adapters are listed below. Please contact US Conec if you have any questions or would like confirmation to verify which tool you need. We are here to help you.

Features

- Cleans male and female MT ferrule
- 525+ cleaning per unit
- Simple push style or dial turn engagement
- Nozzle is keyed for precise alignment of the cleaning tip to the fiber array
- Alignment cap lid opens for cleaning the unmated connectors
- Cleans connectors loaded in a bulkhead adapter and on unmated cable assemblies
- Cleans male (with guide pins) and female MT ferrules
- RoHS compliant

- Telecom central offices
- Data Centers
- Cable Television Head End
- Outside Plant and FTTH
- MPO Cassette Modules
- Parallel Optics Transceivers

A **PUSH** in the right direction...



The MPOII is the first in the newest generation of US Conec's IBCTM Brand multifiber cleaning tools. The advanced "push" style cleaner is quick and efficient at removing contaminants and keeping your network infrastructure running clean.



IBC™ Brand MT Series Cleaning Tools



IBC™ Brand Cleaner MPO II

Cleans MTP⁶ and generic MPO connectors Cleans multimode (flat) and singlemode (8° angled) MT ferrules



IBC™ Brand Cleaner MT38 II

Cleans MT based D38999 and other hardened connectors - requires adapters



IBC™ Brand Cleaner OptiTip® II

Cleans OptiTip-style connectors



IBC™ Brand Cleaner HBMT

Cleans multimode MTP $^{\circ}$ and generic MPO connectors Cleans Molex HBMTTM, 1x8 ARRAY, 1X6 ARRAY, 1X3 Circular MT, and multimode MPO connectors



IBC™ Brand Cleaner HBMT EN (Extended Nozzle)

Cleans multimode MTP® and generic MPO connectors

Cleans Molex HBMT $^{\text{TM}}$, 1x8 ARRAY, 1X6 ARRAY, 1X3 Circular MT, and multimode MPO connectors in recessed chassis

Nozzle length is 224mm

IBC™ Brand MT Series Cleaning Tools

IBC™ Brand MT Series Cleaning Tools Ordering Information

US Conec Part Number	Description
7104	IBC™ Brand Cleaner MPO II
15546	IBC™ Brand Cleaner MT38 II
15639	IBC™ Brand Cleaner OptiTip [®] II
8037	IBC™ Brand Cleaner HBMT
9959	IBC™ Brand Cleaner HBMT EN

IBC[™] Brand MT Series Adapters Ordering Information

US Conec Part Number	Description
13463	ADAPTER MT38999 Quad Designed for use with IBC Brand Cleaner MT38 II (15546) Will align 15546 onto protruding MT ferrules in Quad MT D38999 connectors from Amphenol Aerospace
13464	ADAPTER MT38999 Single • Designed for use with IBC Brand Cleaner MT38 II (15546) • Will align 15546 onto protruding MT ferrules in Single MT D38999 connectors from Amphenol Aerospace
8035	ADAPTER HBMT Card Edge • Designed for use with IBC Brand Cleaner HBMT (8037) • Cleans plug and socket Molex HBMT card edge connections
8097	ADAPTER HBMT Backplane • Designed for use with IBC Brand Cleaner HBMT (8037) • Cleans plug and socket Molex HBMT backplane connections
8485	ADAPTER ARRAY 1 x 8 • Designed for use with IBC Brand Cleaner HBMT (8037) • Cleans plug and socket Molex ARRAY6 connections • Clean ferrules 1, 3, 5 and 7. Flip and clean ferrules 2, 4, 6 and 8.
7907	ADAPTER ARRAY 1 x 6 • Designed for use with IBC Brand Cleaner HBMT (8037) • Cleans plug and socket Molex ARRAY6 connections • Clean ferrules 1, 3 and 5. Flip and clean ferrules 2, 4 and 6
8802	ADAPTER CIRCULAR 1 x 3 RECEPTACLE • Designed for use with IBC Brand Cleaner HBMT (8037) • Cleans receptacle Molex 1 x 3 circular connections
8803	ADAPTER CIRCULAR 1 x 3 CONNECTOR • Designed for use with IBC Brand Cleaner HBMT (8037) • Cleans connector Molex 1 x 3 circular connections



Features

- 600+ cleanings per unit
- Cleans MTP® and generic MPO connectors
- Alignment cap lid opens for cleaning the unmated cable assemblies
- Cleans male (with guide pins) and female MT ferrules
- Cleans multimode (flat) and singlemode (8° angled) MT ferrules

- Telecom Central Offices
- Data Centers
- Outside Plant and Fiber To The Home
- MPO Cassette Modules



NEOCLEAN-M

- Cleans male (with guide pins) and female MT ferrules
- Cleans multimode (flat) and singlemode (8° angled) MT ferrules
- Simple one-push system
- Compact with plug attachment
- 2-in-1 port and plug cleaning

NEOCLEAN-M Cleaning Tool

US Conec Part Number	NTT-AT Part Number	Description
15616	ATC-NE-M1	NEOCLEAN-M Multifiber Optical Connector Cleaner

The OPTIPOP R is a cassette style fiber optic connector cleaner system that can be refilled for reducing cleaning costs. It uses a densely woven micro-fiber cleaning fabric to remove harmful contaminates off of the ferrule end face. The OPTIPOP R cassette cleaning tool will accommodate all single fiber connections. US Conec has versions of the OPTIPOP R cassette cleaning tools that are designed specially for cleaning multi-fiber connector systems including the MTP® Brand Connectors, standard MPO and MTRJ connectors for both singlemode and multimode connectors. The customized OPTIPOP R cassette cleaning tool will accommodate the alignment guide pins on male MT ferrules. US Conec has a version of the OPTIPOP R cassette cleaning tool that is ideal for field use at FTTX work sites. This version accommodates the OptiTapTM connector housing making it ideal for technicians that need to clean OptiTapTM plug connectors on drop cables.

The anti-static cloth material produces a pristine fiber tip and minimizes contaminant attraction. The cleaning fabric is pre-washed and produces less than 70 pcs/CFM of particles > 1 mm in size, making this system excellent for use in any production environment including clean rooms.

Features

- Replacement reels are easy to install and reduce the cost per cleaning
- 400+ Cleanings
- Eliminates electrostatic charge
- The washed, ultra clean micro-fiber cloth captures debris and other contamination
- The cloth is robust, it does not fray or leave any fibrous materials behind
- The most cost effective high-end cleaning solution available

- FTTX work sites installing OptiTap™ drop cables
- Data center installation and preventative maintenance
- Central office and head end new equipment installations and preventive maintenance
- Production facilities that terminate fiber optic cable assemblies
- Testing and measuring laboratories using optoelectronic equipment
- Any application that uses unmated fiber optic connectors

OPTIPOP R Refillable Cassette Cleaner



OPTIPOP R Cleaner - Single Slot

Cleans all single fiber (SC, ST, FC, E2000, LC, MU) and female MT connectors (MTP $^{\rm B}$, MPO, MTRJ)



OPTIPOP R Cleaner - Two Slots

Cleans LC and MU duplex connections



OPTIPOP R Cleaner - MPO Male

Cleans male MPO connectors with guide pins



OPTIPOP R Cleaner - MTRJ Male

Cleans male MTRJ connectors with guide pins



OPTIPOP R Cleaner - OptiTap®

Cleans OptiTap® hardened connectors

OPTIPOP R Refillable Cassette Cleaner Ordering Information

US Conec Part Number	NTT-AT Part Number	Description
6338 (no label) 6227 (labeled)	ATC-RE-01	OPTIPOP R Cleaner - Single Slot – Cleans all single fiber and female MT ferrule connectors
6437 (no label) 6230 (labeled)	ATC-RE-02	OPTIPOP R Cleaner - Two Slots – Cleans all LC and MU duplex connectors
6339 (no label) 6226 (labeled)	ATC-RE-03	OPTIPOP R Cleaner - MPO Male - Cleans MPO male connectors
6340 (no label) 6228 (labeled)	ATC-RE-04	OPTIPOP R Cleaner - MTRJ – Cleans MTRJ male connectors
8057	ATC-RE-03W	OPTIPOP R Cleaner - OptiTap* - Cleans OptiTap* hardened connectors
6232	ATC-RS-01	OPTIPOP R - Refill 6 Pack



The NEOCLEAN PZ is a cassette style fiber optic cleaner system designed specifically for the PRIZM® LightTurn® connector. This refillable cassette cleaner uses a microfiber fabric to remove harmful contaminates off of the ferrule end face. The anti-static cleaning material used in the cassette produces a pristine optical window and minimizes contaminant attraction. The cleaning material is pre-washed making it excellent for use in any production environment, including clean rooms. The NEOCLEAN PZ cassette cleaning tool will accommodate both bare ribbon and jacketed PRIZM® LightTurn® cable assemblies.

Features

- Designed specifically for PRIZM[®] LightTurn[®] connector system
- Refillable, therby reducing waste and decreasing cost per cleaning
- Replacement refills are simple to install, self-contained cartridges
- 500+ cleanings
- Eliminates electrostatic discharge
- Washed, ultra clean cloth captures debris and other contaminates
- Robust cloth, does not fray or leave any fibrous materials behind

- Bare PRIZM[®] LightTurn[®] ferrule
- Ribbon PRIZM® LightTurn® cable assemblies
- Jacketed PRIZM® LightTurn® cable assemblies



Placing PRIZM® LightTurn® connector into cleaner



Cleaning PRIZM® LightTurn® connector

NEOCLEAN PZ Refillable Cassette Cleaner Ordering Information

US Conec Part Number	NTT-AT Part Number	Description
14554	ATC-NE-PZ	NEOCLEAN-PZ cassette cleaning tool

NEOCLEAN PZ Refillable Cassette Cleaner Refill Ordering Information

US Conec Part Number	NTT-AT Part Number	Description
14555	ATC-NE-PZS	NEOCLEAN-PZ refill catridges (5 pack)



The CLETOP and CLETOP-S are cassette style fiber optic connector cleaner systems that can be refilled for reducing cleaning costs. They use densely woven micro-fiber cleaning fabrics to remove harmful contaminates off of the ferrule end face. The CLETOP and CLETOP-S cassette cleaning tools will accommodate all single fiber connections.

US Conec has versions of the CLETOP and CLETOP-S cassette cleaning tools that are designed specially for cleaning multi-fiber connector systems including the MTP 8 Brand Connectors, standard MPO and MTRJ connectors for both singlemode and multimode connectors. The customized CLETOP and CLETOP-S cassette cleaning tools will accommodate the alignment guide pins on male MT ferrules. US Conec has versions of the CLETOP and CLETOP-S cassette cleaning tools that are ideal for field use at FTTX work sites. These versions accommodate the OptiTap $^{\text{TM}}$ connector housing making it ideal for technicians that need to clean OptiTap $^{\text{TM}}$ plug connectors on drop cables.

The anti-static cloth material produces a pristine fiber tip and minimizes contaminant attraction. The cleaning fabric is pre-washed and produces less than 70 pcs/CFM of particles > 1 mm in size.

Features

- Replacement reels are easy to install and reduce the cost per cleaning
- 400+ Cleanings
- Eliminates electrostatic charge
- The washed, ultra clean micro-fiber cloth captures debris and other contaminations
- The cloth is robust, it does not fray or leave any fibrous materials behind
- The most cost effective high-end cleaning solution available

- FTTX work sites installing OptiTap™ drop cables
- Data center installation and preventative maintenance
- Central office and head end new equipment installations and preventive maintenance
- Production facilities that terminate fiber optic cable assemblies
- Testing and measuring laboratories using optoelectronic equipment
- Any application that uses unmated fiber optic connectors
- Fiber Optic Satellite Communication Systems

CLETOP Cassette Cleaners



CLETOP Type A Blue Tape

Cleans SC, SC2, FC, ST, DIN, D4, E2000 Uses refill 14709 or 14710



CLETOP Type B Blue Tape

Cleans LC, MU, MT, MPO, MTRJ (Female), BIC Uses refil 14709 or 14710



CLETOP Type MTRJ White Tape

Cleans MTRJ (Male and Female) Uses refill 14709 or 14710



CLETOP Type MPO/MTP® White Tape

Cleans MPO/MTP⁸ (Male and Female)
Uses refill 14709 or 14710

CLETOP - S Cassette Cleaners



CLETOP - S Type A Blue Tape

Cleans SC, SC2, ST, FC, DIN, D4, E2000 Uses refil 14711 or 14712



CLETOP - S Type B Blue Tape

Cleans LC, MU, LC, MT, MPO, MTRJ (Female), BIC Uses refil 14711 or 14712

CLETOP & CLETOP - S Cassette Cleaners Refills



CLETOP Refill - Blue Tape Refill

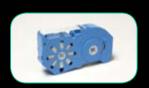
Refill for cleaners 14703, 14704, 14705 and 14706



CLETOP Refill - White Tape Refill
Refill for cleaners 14703, 14704, 1470<u>5 and 14706</u>



CLETOP - S Refill - Blue Cartidge RefillRefill for cleaners 14707 and 14708



CLETOP - S Refill - White Cartidge Refill Refill for cleaners 14707 and 14708

CLETOP & CLETOP - S Refillable Cassette Cleaner Ordering Information

US Conec Part Number	NTT-AT Part Number	Description
14703	14100501	CLETOP Type A Blue Tape - Cleans SC, SC2, ST, FC, DIN, D4, E2000
14704	14100601	CLETOP Type B Blue Tape - Cleans LC, MU, MT, MPO, MTRJ (Female), BIC
14705	14100101	CLETOP Type MTRJ White Tape – Cleans MTRJ (Male and Female)
14706	14100201	CLETOP Type MPO/MTP® White Tape - Cleans MPO/MTP® (Male and Female)
14707	14110501	CLETOP-S Type A Blue Tape - Cleans SC, SC2, ST, FC, DIN, D4, E2000
14708	14110601	CLETOP-S Type B Blue Tape – Cleans LC, MU, LC, MT, MPO, MTRJ (Female), BIC

CLETOP & CLETOP - S Refillable Cassette Cleaner Refills Ordering Information

US Conec Part Number	NTT-AT Part Number	Description
14709	14100700	CLETOP Refill - Blue Tape Refill 6 pack
14710	14100710	CLETOP Refill - White Tape Refill 6 pack
14711	14110700	CLETOP-S Refill – Blue Cartridge Refill 6 pack
14712	14110710	CLETOP-S Refill - White Cartridge Refill 6 pack

STICK & PIPE CLEANERS

The NEOCLEAN S stick use a micro woven fabric for the cleaning medium that can be used for dry only or wet-dry cleaning. The NEOCLEAN S stick provides excellent cleaning performance and are notched for easy customization for limited access in bulkhead connection and optical modules. The NEOCLEAN S sticks are available for 2.5mm and 1.25 mm based connectors, transceiver interfaces, and NEOCLEAN S Stick Cleaners lenses.

The OPTIPOP P is a novel pipe cleaning tool designed to "cup" the ferrule on unmated connectors and for fiber optic pin termini in hardened connectors. The OPTIPOP P pipe cleaner covers the ferrule both the end face and sides. The pipes use the same micro woven fabric that used on the NEOCLEAN S sticks and OPTIPOP R cassettes making it ideal for dry only or wet-dry cleaning. The OPTIPOP P pipes are available for 2.5mm and 1.25mm ferrules making it an easy choice over competitive solutions.



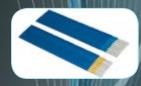
The CLETOP stick cleaners use a micro woven fabric for the cleaning medium that can be used for dry only or wet-dry cleaning. The CLETOP stick cleaners provide excellent cleaning performance in bulkhead connection and optical modules. The CLETOP cleaning sticks are available for 1.25 mm, 2.0 mm and 2.5 mm based connectors, transceiver interfaces, and lenses.

Features

- Accommodates small form factor duplex, single fiber connectors, transceiver receptacles and lenses
- · Suitable for factory or field use
- Notched for easy customization
- · Works in hard to reach areas

- Fiber optic cable assemblies
- Testing laboratories
- Industrial applications
- Scientific equipment
- Medical applications

STICK & PIPE CLEANERS



NEOCLEAN S Stick Cleaning Tools

Available in 1.25mm and 2.5mm sizes

250 sticks in case

25 individually wrapped sleeves with 10 sticks per sleeve

US Conec Part Number	NTT-AT Part Number	Description
7892	ATC-ST-01N	NEOCLEAN S 1.25mm Stick
7893	ATC-ST-02N	NEOCLEAN S 2.5mm Stick



OPTIPOP P Pipe Cleaning Tools

Available in 1.25mm and 2.5mm sizes

200 pipes per case

For 1.25mm: 20 individually wrapped sleeves with 10 pipes per sleeve For 2.5mm: 40 individually wrapped sleeves with 5 pipes per sleeve

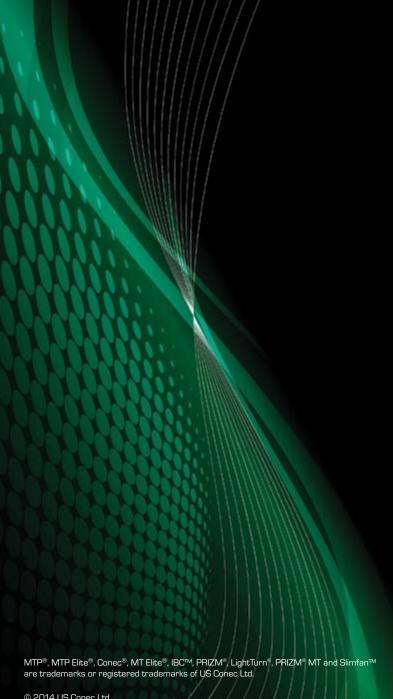
US Conec Part Number	NTT-AT Part Number	Description
6363	ATC-PP-01	OPTIPOP P 1.25mm Pipe Cleaning Tool
6364	ATC-PP-02	OPTIPOP P 2.5mm Pipe Cleaning Tool



CLETOP Stick Cleaning Tools

Available in 1.25mm, 2.0mm and 2.5mm sizes

US Conec Part Number	NTT-AT Part Number	Description
14713	14100400	CLETOP Stick 2.5mm (200pcs/set)
14714	14100401	CLETOP Stick 1.25mm (200pcs/set)
14715	14100402	CLETOP Stick 2.0mm (200pcs/set)
14716	14100403	CLETOP Stick 2.0mm/2.5mm, Double Ended (100pcs/set)



USCONEC

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