



***Conducta  
Clean***



## ***User's Guide***



**EDM**

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**Avistar**

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The contents are subject to change without prior notice.

For your personal safety, read and understand this manual before operating equipment. Save these instructions for future reference.

Please observe that this manual does not create any legally binding obligations for EDM International, Inc. towards the customer or end user. All legally binding commitments and agreements are included exclusively in the applicable supply contract or Conditions of Sale.

ConductaClean® incorporates technology developed by the Electric Power Research Institute.

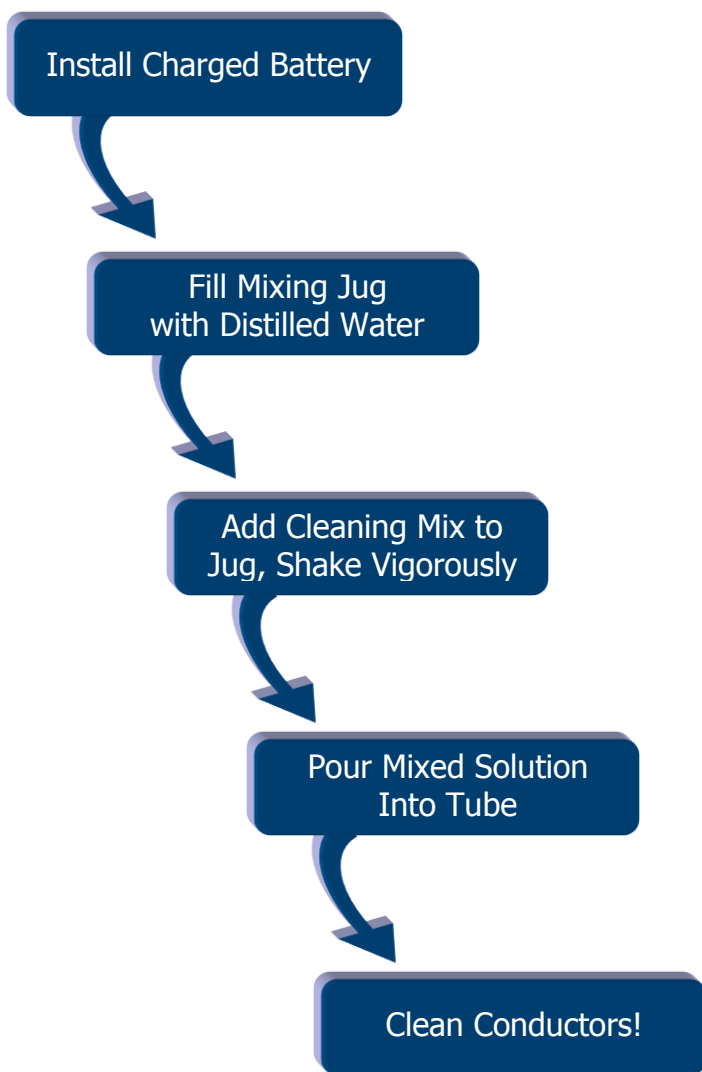
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## Quick Start



## Introduction

ConductaClean® is a lightweight tool that cleans the ends of the following overhead conductors prior to compression splicing:

- ACSR/ACSS
- ACAR
- AAC/AAAC
- ACCC/ACCR

ConductaClean is available in both transmission and distribution versions.



## Assembly and Preparation

### Battery Installation and Removal

Always turn off the tool before inserting or removing the battery.

1

Slide battery into compartment at bottom of tool until it “clicks.”

Do not force the battery into the housing socket. If the battery does not slide in easily it is not being inserted correctly.



2

To remove battery, depress red tabs on side of battery and pull battery away from tool.

Note: Battery may be hard to remove for the first several uses.



## Cleaning Solution Preparation

1

Open Mixing Jug and fill with distilled water to marked fill line.

- Transmission – 2 quarts
- Distribution – 1 quart

Note: Always pour water into the jug first. Adding mix before water results in clumping and reduces cleaning effectiveness.

Remember:

*“Do as you oughter,  
first goes the water”*

2

Into the Mixing Jug of distilled water, pour one packet of Cleaning Mix (transmission has blue label, distribution has red).

3

Cap the Mixing Jug and shake vigorously.

4

Pour contents of Mixing Jug into tool tube.

5

Ready to clean conductor!





## Work Area Choices

The ConductaClean tool may be used on a firm level surface or suspended.



## Suspending the Tool

After installing the battery, attach a rope or sling to the tool such that the tilt of the tool when suspended does not exceed 30°. Attach the other end of the rope/sling to the end of a vehicle or side of a man-lift basket/bucket in a manner that allows the tool reasonable clearance to swivel on the rope/sling.

## Cleaning Time

The average cleaning time is dependent on temperature and the number of times the cleaning solution is reused. Each pack of ConductaClean Cleaning Solution Mix is effective for 5 to 12 cleanings, depending on the condition of the conductor.



Average Cleaning Times (both tool versions, all conductor sizes and conditions)		
Temperature	Cleaning Time	
	Fresh Solution	Reused Solution
70° F (21° C)	2 minutes	3 minutes
30° F (-1° C)	3 minutes	4 minutes

ConductaClean Cleaning Solution (after mixed with water) is safe for disposal in sanitary drains. Because local regulations vary, however, it is prudent to confirm with local waste disposal authority.

## Cleaning

1

With prepared mix in the tool tube, insert the conductor and press the ON/OFF button on side of tool.



2

The tool will agitate solution for a 3-minute cycle, and turn off automatically.



3

After the first cycle, pull conductor part way from tube to inspect results; repeat cleaning cycle if needed.



Push ON/OFF button anytime to stop a cycle.

4

When finished, remove conductor and wipe off excess – do not rinse.



## Specifications

### Transmission Version



<b>Tool Dimensions</b>	11.5" w x 4" d x 27" h (29cm x 10cm x 69cm)
<b>Tool Weight</b>	8 lbs (3.6 kg) with battery
<b>Conductor Size</b>	266 kcmil to 2312 kcmil
<b>Cleanings per Mix Packet</b>	5-12
<b>Distilled Water per Mix Packet</b>	2 quarts
<b>Battery</b>	18V Milwaukee Slider

### Distribution Version



<b>Tool Dimensions</b>	11.5" w x 3.5" d x 24" h (29cm x 9cm x 61cm)
<b>Tool Weight</b>	7 lbs (3.2 kg) with battery
<b>Conductor Size</b>	#2 to 795 kcmil
<b>Cleanings per Mix Packet</b>	5-12
<b>Distilled Water per Mix Packet</b>	1 quart
<b>Battery</b>	18V Milwaukee Slider

## Warranty and Service

### Limited Warranty

EDM International, Inc. (EDM) products are warranted against defects in materials and manufacturing for one (1) year from date of shipment. In the event of product failure due to materials or workmanship, EDM will repair or replace the product.

EDM, its suppliers, and its licensors shall in no event be liable for any damages arising from the use or inability to use this product. This includes business interruption or any other loss which may arise from the use of this product.

### Service and Support

For service and technical support, visit [www.edmlink.com](http://www.edmlink.com) or contact EDM at [support@edmlink.com](mailto:support@edmlink.com) or call (800) 687-4196. Products returned for service require prior authorization.

### Reordering Cleaning Solution Mix

To reorder ConductaClean Cleaning Solution Mix for Transmission or Distribution Versions, contact AFL (EDM's U.S. Distributor) at (864) 486-7290 or [sales@aflglobal.com](mailto:sales@aflglobal.com). You may also contact EDM at (800) 687-4196 or [support@edmlink.com](mailto:support@edmlink.com).



## General Safety



### WARNING:

**Read and understand all instructions.** Failure to follow all instructions listed below may result in electric shock, fire and/or personal injury.

## SAVE THESE INSTRUCTIONS

Before use, be sure everyone using this tool reads and understands this manual as well as any labels packaged with or attached to the tool.

- **Know your power tool.** Read this manual carefully to learn the applications and limitations as well as potential hazards associated with this tool.
- **Use safety equipment.** Everyone in the work area should wear safety goggles or glasses with side shields complying with current safety standards. Anyone operating the tool should wear gloves to protect hands from any spilled solution. Hard hats, safety shoes, etc. should be used when specified or necessary. Keep hands and face away from the opening of the tube where solution could splash or spill.
- **Protect others in the work area.** Orient the power tool to minimize spills.
- **Secure the tool.** Use inspected ropes or slings of proper strength to suspend the power tool, or place the power tool on the ground, freeing both hands to control the movement of the conductor.
- **Use the right tool.** Do not use the tool to do a job for which it is not recommended, such as cleaning other tools or equipment. Do not alter the tool.
- **Use proper accessories.** Using accessories not recommended by EDM such as alternate solution or batteries may be hazardous. Be sure accessories are properly maintained and installed.
- **Check for damaged parts.** Inspect the tool and other accessories before use. Check for broken tool or any other conditions that may affect operation. If abnormal noise or vibration occurs, turn the tool off immediately and have the problem corrected before further use. Do not use a damaged tool.



- **Avoid Accidental Starting.** Be sure the tool is turned off before installing or exchanging a battery. Do not use the tool if the power switch does not turn the tool on and off. Do not carry the tool with your finger on the power switch. Turn the power switch off before making any adjustments. Remove the battery from the tool prior to storing the tool.
- **Stay alert.** Watch what you are doing and use common sense. Do not use a tool when you are tired, distracted or under the influence of drugs, alcohol or any medication causing decreased control.
- **Maintain tools carefully.** Keep the tool clean and free from oil, grease and dirt. After use, wipe all spilled solution off of the tool. Store the tool, batteries and battery charger in the carrying case provided with the tool. Have damaged parts repaired or replaced by EDM.
- **Properly store the tool.** When not in use, store the tool, batteries and battery charger in the carrying case. Do not store where the temperature may reach or exceed 122° F (50° C).
- **Store Mix Properly.** Always store the Cleaning Mix packets in a cool, dry environment. Mix is best if used within one year of purchase.
- **Maintain labels and nameplates.** These carry important information. If unreadable or missing, contact EDM for free replacements.

## Cleaning Solution Safety



### **DANGER:**

**KEEP OUT OF REACH OF CHILDREN. HARMFUL IF SWALLOWED. SOLUTION MAY BURN EYES, SKIN AND MUCOUS MEMBRANES ON CONTACT.**

Do not mix solution with ammonia or cleaning products as toxic gases may result.

**ACTIVE INGREDIENTS:** Sodium Hydroxide, Sodium Fluoride.

### ***Emergency Treatment***

- **EYES:** Remove contacts, if wearing. Flush immediately with water for 10 minutes. If discomfort persists, obtain medical attention.
- **INHALATION:** Remove from exposure, rest and keep warm. In severe cases obtain medical attention.
- **SKIN CONTACT:** Wash off thoroughly with soap and water for 10 minutes. Remove affected clothing and wash before re-use. In severe cases, obtain medical attention.
- **INTERNAL:** Wash out mouth thoroughly with water and drink two large glasses of water. Obtain medical attention.

Detailed information on the solution is contained in the MSDS (Material Safety Data Sheets) supplied with the ConductaClean Cleaning Solution Mix.

Always store the Cleaning Mix packets in a cool, dry environment. Mix is best if used within one year of purchase.



## Battery and Charger Safety

### ***Battery Safety***

- Before using battery cartridge, read all instructions and cautionary markings on the battery charger, battery and tool.
- Do not disassemble the battery.
- If number of cleanings has become excessively shorter, stop operating immediately and insert a charged battery.
- Do not short the battery by touching the terminals with a conductive material, storing the battery with other metal objects such as nails, screws, coins, etc. or exposing the battery to water or rain.
- Do not incinerate a battery.
- Do not to drop or strike a battery.

### ***Tips for Maintaining Maximum Battery Life***

- Charge the battery before the battery is completely discharged. Always stop tool operation and charge the battery when you notice less tool power.
- Never recharge a fully charged battery cartridge.
- Charge the battery at room temperature of 50° - 104° F (10° - 40° C). Allow the battery time to cool down or warm up to room temperature before charging it.
- Charge the battery when it has not been used for more than six months.

### ***Recycling the Battery***

The only legal disposal of the battery is to recycle the battery by removing the battery from the tool and taking it to an authorized battery recycling facility.









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