

SCTEB62xx BATTERY POWERED SAFE-T-CABLE® CRIMP TOOL



DESCRIPTION

The SCTEB62xx Battery Powered Safe-T-Cable® Crimp Tool is a hand held, self-contained crimp tool intended to crimp ferrules, and tension/cut the cable in accordance with the performance requirements of SAE specification AS4536. The application tool installs Safe-T-Cable® kits identified in SAE specifications AS3509, AS3510 and AS3511.



The SCTEB62xx meets the requirements of RoHS Directive 2002/95/EC.

FEATURES

- Ergonomic design allows one-handed operation
- Crimper automatically opens when crimp is complete
- Crimper can be retracted in mid-cycle to adjust connector
- Head rotates 350 degrees
- Connection point for tool balancing systems
- Red LED to display the current status of the unit

CRIMP CAPACITIES

- Max. Crimp Force: 4 Tons (35.6 kN)
- Avg. Crimp Time: 3 seconds
- Avg. Crimps per Charge: Approx. 100

SPECIFICATIONS

- Length: Varies according to nose
- Width: 2.87" (72.9 mm)
- Depth: 4.5" (114.3 mm)
- Weight (with battery): 2.8 lb (1.3 kg)
- Sound Level: 75 db(A) at 1 meter
- Vibration: <math><8.2 \text{ ft/s}^2</math> (2.5 m/s²)
- Hydraulic Oil: Shell Tellus® T-15

DMC SAFE-T-CABLE® PART NUMBERS

.062 NOMINAL DIA. CABLE KITS

KIT PART NUMBER	COMPONENT MATERIAL	LENGTH (INCHES)
C10-909	UNS S32100 CORROSION AND HEAT RESISTANT ALLOY (AMS5689)	9
C10-912		12
C10-915		15
C10-918		18
C10-921		21
C10-924		24

.062 NOMINAL DIA. CABLE ASSEMBLIES

ASSEMBLY PART NUMBER	COMPONENT MATERIAL	LENGTH (INCHES)
A10-909	UNS S32100 CORROSION AND HEAT RESISTANT ALLOY (AMS5689)	9
A10-912		12
A10-915		15
A10-918		18
A10-921		21
A10-924		24

.062 FERRULE PART NUMBERS

PART NUMBER	COMPONENT MATERIAL	TYPE
F10-09	UNS S32100	STANDARD
F10-10		ELONGATED
F10-11		FLANGED

TOOL INCLUDES:

Carrying Case, Two 18v Batteries, One Battery Charger.



BATTERY (P/N: HDE-LI-B)

- Charging Voltage: 18 VDC
- Charging Time: 15 minutes
- 2 batteries included with each new tool

BATTERY CHARGER

(P/N: HDE-LI-120C)

- Input Voltage: 120 VAC, 50-60 Hz (240 VAC, 50-60 Hz P/N HDE-LI-230C)
- Output Voltage: 7.2-18 VDC, 1.5 A
- Trickle Charge Feature
- Weight: 2.2 lb (1 kg)



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SCTEB62xx BATTERY POWERED SAFE-T-CABLE® CRIMP TOOL



Safe-T-Cable was developed because the installation of hand twisted Lockwire is an expensive, time consuming, and awkward process. Safe-T-Cable is a simplified application method that relies on a precisely calibrated application tool for proper installation rather than operator skills. Operator training is simple, inspection is objective, and rework is virtually eliminated. This results in fewer demands on the Operators, Inspectors, and Maintenance Personnel. It will cut time and costs from your manufacturing or maintenance process.

Safe-T-Cable may be substituted for safety Lockwire to prevent loosening of threaded parts in accordance with the performance requirements of SAE specifications AS4536, AS3509, AS3510 and AS3511.

The Safe-T-Cable system involves three components: the calibrated tool, pre-assembled cables, and individual crimp ferrules. The cables have a square formed end cap securely attached to one end to provide a positive stop when threaded through a fastener. The other end is electrically fused so it will easily thread through the series of fasteners to be secured. The ferrules are preloaded into a disposable cartridge which allows convenient transportation, storage, and availability. The Safe-T-Cable tool tensions the cable, crimps the ferrule onto the cable, and cuts the cable flush with the ferrule. This system, when properly used, eliminates the possibility of Foreign Object Damage (FOD).

Safe-T-Cable is constructed of high tensile strength, stranded cable. It is more flexible than its Lockwire counterpart, although the working diameters are equivalent. This provides a stronger assembly

and lighter weight. Safe-T-Cable is available in four nominal diameters: .022 inch diameter, .032 inch diameter, .040 inch diameter, and .062 inch diameter.

For more detailed information, qualifications, and specifications, contact DMC at (407) 855-6161 or visit our web site at www.DMCTools.com.

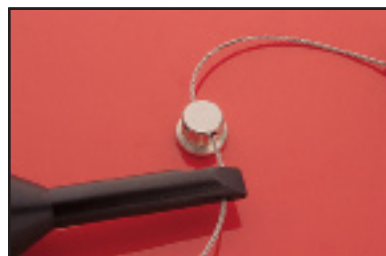
Benefits of Safe-T-Cable

- Reduces installation time
- Allows access to tight areas
- Is quickly learned
- Reduces operator error
- Is stronger than wire
- Is quickly inspected
- Improves FOD control
- Reduces need to rework
- Eliminates injuries from sharp wire ends



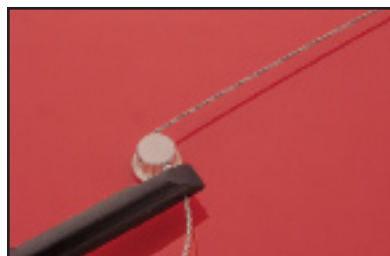
Step 1 - Thread

A cable assembly is threaded through the fasteners in a direction that exerts a positive pull on the fastener when tension is applied.



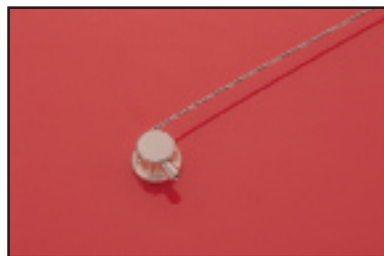
Step 2 - Insert

Simply thread the cable through the ferrule and the tool nose.



Step 3 Tension

Correct tension is applied.



Step 4 - Crimp & Cut

The ferrule is firmly crimped and the cable is cut flush with the end of the ferrule.