

The Preset Pneumatic Safe-T-Cable Application Tool

When ergonomics and production demands are critical issues and control of tool adjustments is required the DMC SCTP Preset Series Pneumatic Application Tool is a must. This tool is also great where single-handed operation of the tool is desirable.

Safe-T-Cable® is threaded through the fasteners, into the ferrule, and into the tool in the same fashion as the manual SCT tools, but the push of a button is all that is necessary to complete the termination. The Pre-Set tool automatically applies tension, crimps and cuts flush in one actuation of the trigger.

The cable tension mechanism is set at the factory and cannot be adjusted by the operator. The cable is fed into a tensioning mechanism on the tool body and tensioned by the tool when actuated.

This tool operates on standard shop air pressure of 100 to 120 psi, and may be suspended from a load balancer for an even greater improvement in ergonomics. Various nose lengths are also available for this tool.

Tool settings are verified with the SCT-TB1 Torque Verification Block.

The SCTP Series Pneumatic Safe-T-Cable® application tool is designed 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.



PRESET PNEUMATIC TOOLS AND ACCESSORIES	
DMC Part Number	Description
SCTP203	.022 tool with 3 inch nose
SCTP207	.022 tool with 7 inch nose
SCTP323	.032 tool with 3 inch nose
SCTP327	.032 tool with 7 inch nose
SCTP403	.040 tool with 3 inch nose
SCTP407	.040 tool with 7 inch nose
SCT-TB1	Torque Verification Block
SCTD0001	Torque Wrench
SCTD013	Push Force Tester

SAFE-T-CABLE TOOL NOSES		
Cable Diameter	DMC Part Number	Nose Length
Twenty-two thousandths (.022) cable	SCTN20-3	3"
Twenty-two thousandths (.022) cable	SCTN20-5	5"
Twenty-two thousandths (.022) cable	SCTN20-7	7"
Thirty-two thousandths (.032) cable	SCTN32-3	3"
Thirty-two thousandths (.032) cable	SCTN32-5	5"
Thirty-two thousandths (.032) cable	SCTN32-7	7"
Forty thousandths (.040) cable	SCTN40-3	3"
Forty thousandths (.040) cable	SCTN40-5	5"
Forty thousandths (.040) cable	SCTN40-7	7"
Two inch nose extender	SCT32059SA	2"



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.

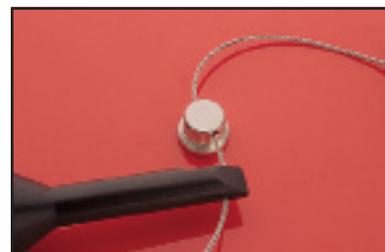
Benefits of Safe-T-Cable

- 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



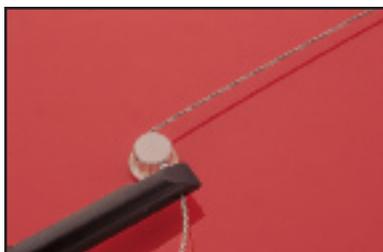
Step 1 - Thread

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



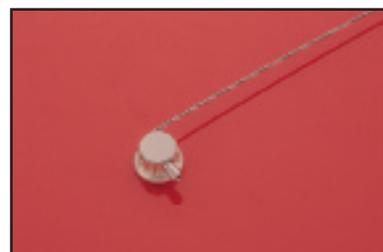
Step 2 - Insert

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.