

# SAFE-T-CABLE® Fastener Retention System



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](http://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.