MicroSpaceXS™ Hand Tool

The FCI Basics' crimping hand tool is professionally designed for applications in the prototyping phase or small production quantities. The hand tool has a mechanism which opens automatically after making the last advance of the ratchet. It has 4 different crimping cavities giving you all the crimps in one convenient tool.

The hand tool is designed for Amphenol's MicrospaceXS™ Crimp-to-Wire product family. This connector platform's unique design meets USCAR-T2V2 and LV214 up to Severity-3 specifications and performs at 1.27mm pitch.

MicroSpaceXS™ is available in staggered pin configurations in vertical and horizontal orientations and in Wire-to-Board and Wire-to-Wire configurations.

- Hand Tool P/N: 10161117-002
  - Contact female (base part number): 10155447
- Hand Tool P/N: 10161117-003
  - Contact male (base part number): 10155449
- 4 different crimp cavities in one product
- AWG sizes: 22 – 24 – 26 – 28
- Ergonomic handle for optimal grip



TARGET MARKETS

Amphenol CS recommends using the hand tool for prototyping and small production quantities.

This tool should only be used for the terminals and wire gauges specified in this document.

To learn more about how to use our all-in-one Crimping Hand Tool, click to watch the video.

Hand Tool Assembly

MicroSpaceXS™ Hand Tool P/N: 10161117-002 and 10161117-003

1



Unlock 2 pins by pushing towards them.

2



Extract the pins.

3



Open the handles and insert the tool head into the open holes.
The laser marking of both parts should match.

4



Lock the pins by pushing toward them. Hand Tool is ready to use.

NOTE
Amphenol CS recommends using the hand tool for prototyping and small production quantities only.

Premature Release of the Hand Tool

In case of an assembly mistake / operating fault the pliers can be opened prematurely by unlocking the integrated ratchet by pushing the handles gently together and at the same time releasing the locking lever.

By doing so the handles can be opened completely and the crimp contact can be released.

5



6



CAUTION
Do not use the crimped wire in case of a premature release!
Please pay attention that in-correct crimped wires are disposed and not processed.