

PV® Hand Tool

PROFESSIONAL, FAST & ROBUST HAND TOOL

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. There are 3 different tools depending on the wire gauge needed.

These hand tools are dedicated for the Mini PV® Crimp-to-Wire product.

PV® is the high performance, highly reliable Wire-to-Board; Wire-to-Wire and Board-to-Board system on 2.54mm pitch for shock and vibration applications.

The leaf spring contact design provides a constant contact pressure through up to 1,000 mating cycles to ensure excellent electrical and mechanical performance over time.

- PV® Hand tool P/N:
 - 10162308-001 – AWG 18-20
 - 10162309-001 – AWG 22-26
 - 10162310-001 – AWG 28-32

- | Contact (base part number) to be use with 10162308-001 (AWG 18-20) | | | | | | |
|--|-------|-------|-------|-------|-------|-------|
| 47221 | 47441 | 47566 | 47648 | 47713 | 47716 | 47746 |
| 47749 | 47785 | 48014 | 48047 | 48052 | 48231 | 48232 |
| 48233 | 48241 | 48244 | 48247 | 48250 | 48253 | 48256 |
| 48266 | 48276 | | | | | |

- | Contact (base part number) to be use with 10162309-001 (AWG 22-26) | | | | | | |
|--|-------|-------|-------|-------|-------|-------|
| 47216 | 47217 | 47439 | 47445 | 47457 | 47565 | 47649 |
| 47706 | 47712 | 47715 | 47743 | 47745 | 47747 | 47750 |
| 48046 | 48049 | 48051 | 48234 | 48235 | 48236 | 48242 |
| 48245 | 48248 | 48251 | 48254 | 48257 | | |

- | Contact (base part number) to be use with 10162310-001 (AWG 28-32) | | | | | | |
|--|-------|-------|-------|-------|-------|-------|
| 47212 | 47213 | 47437 | 47446 | 47456 | 47564 | 47650 |
| 47705 | 47711 | 47714 | 47742 | 47744 | 47748 | 47751 |
| 48045 | 48048 | 48050 | 48237 | 48238 | 48239 | 48243 |
| 48246 | 48249 | 48252 | 48255 | 48258 | | |

- Ergonomic handle for an optimal grip

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.



TARGET MARKETS



Hand Tool Assembly

PV[®] Hand Tool

P/N : 10162308-001, 10162309-001 & 10162310-001



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.



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.