

Crimping Tools for Solar Connectors

ITC proudly introduces its new line of tools for SOLAR (Photovoltaic) applications produced in Germany by Rennsteig.

These precision tools are designed for durability and efficiency, and provide consistent quality results. Rennsteig tools meet the requirements of every professional user. Moreover, these solar tools are based on a single universal frame, meaning that when a new type of connector is launched, a new die set is all that is needed, without investing in a complete new tool.

Universal Crimping Frame type PEW 12

All crimping tools for Solar applications by Rennsteig are composed of a standard frame type PEW 12, a die set, and a locator (or positioner). These are available separately, or in complete kits (see next page for kits).

The Universal Crimping Frame PEW 12, which can be used also for crimping a wide array of connectors with wire sections between 0.08mm² and 95 mm² (32 to 2/0 AWG), guarantees the execution of precise connections every time.



- Parallel jaw compression (both sides of connector are crimped equally);
- Maximum leverage with minimum manual effort due to specially designed mechanism;
- One- or two-hand operation with all sizes of conductors;
- Two-component grip minimizes fatigue and risk of slippage.

The Universal Crimping frame is supplied with burnished finish. Contact ITC for special (polished chrome) finish.

The universal Crimping Frame is available as a single item, or in a plastic case with Allen key. A bench support for the frame is available as an accessory.

How to Order (Order by Part No.):

Part No.	Model	Description
501.300	624 000 3	Universal Crimping Frame PEW 12, without dies/positioner
501.301	624 101 3	Universal Crimping Frame PEW 12, without dies/positioned, in case 260x220x50mm
501.303	625 00000 3	Universal Crimping Frame PEW 12 with wider jaw opening (16mm), without dies/positioner (*)
501.305	624 40098 3	Bench top mounting support for PEW 12

Information subject to change without notice - () Special order only*

Die Sets, Locators, and Complete Tools for Solar Connectors

Crimping tools for Solar connections can be ordered as follows:

- As complete tools in plastic carrying case (include die set, locator-where applicable)
- By ordering separately just the die set you require, and the locator where applicable.

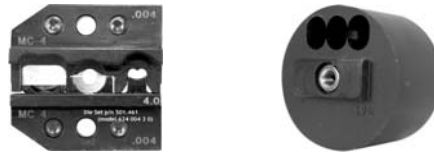
Some die sets and corresponding complete tools are “multi-function”, meaning that the same tool - with one die set only - is used for cutting the cable, stripping the insulation and crimping the specific connector.

Available crimping tools include specialized die sets/complete tools for the following connectors:

- Multi-Contact MC3;
- Multi-Contact MC4;
- Wieland (*)
- Huber & Suhner (*);
- Lumberg LC3 and LC4 (*);
- Yukita (*);
- Tyco;
- Amphenol Helios H4 (*)

(*) Special order only.

More solar die sets, die sets for other terminals, or custom die sets may be available. Please contact ITC.



How to Order PEW12 Tools (Order by Part No.):

Part No.	Model	Description
501.361	624 004 3	Professional Multi-function tool PEW12.004 with dies for solar terminals MC4 12AWG
501.362	624 006 3	Professional Multi-function tool PEW12.006 with dies for solar terminals MC4 10AWG
501.363	624 194 3	Professional Crimp tool PEW12.194 with dies for solar terminals MC3 14-10AWG
501.364	624 570 3	Professional Crimp tool PEW12.570 with dies for solar terminals MC4 14-10AWG
501.365	624 817 3	Professional Crimp tool PEW12.817 with dies for solar terminals TYCO 16-10AWG
501.461	624 004 3 0	Dies only for Multi-function tool PEW12.004 for solar terminals MC4 12AWG
501.462	624 006 3 0	Dies only for Multi-function tool PEW12.006 for solar terminals MC4 10AWG
501.463	624 194 3 0	Dies only for Crimp tool PEW12.194 for solar terminals MC3 14-10AWG
501.464	624 570 3 0	Dies only for Crimp tool PEW12.570 for solar terminals MC4 14-10AWG
501.465	624 817 3 0	Dies only for Crimp tool PEW12.817 for solar terminals TYCO 16-10AWG
501.561	624 004 0 01	Locator only for Multi-function tool PEW12.194 for solar terminals MC4 12AWG
501.562	624 006 0 01	Locator only for Multi-function tool PEW12.194 for solar terminals MC4 10AWG
501.563	624 194 0 01	Locator only for Crimp tool PEW12.194 for solar terminals MC3 14-10AWG
501.564	624 570 0 01	Locator only for Crimp tool PEW12.570 for solar terminals MC4 14-10AWG
501.565	624 817 0 01	Locator only for Crimp tool PEW12.817 for solar terminals TYCO 16-10AWG
501.661	624 004 3 1	Professional Multi-function tool PEW12.194 complete w/dies & locator for solar terminals MC4 12AWG
501.662	624 006 3 1	Professional Multi-function tool PEW12.194 complete w/dies & locator for solar terminals MC4 10AWG
501.663	624 194 3 1	Professional Crimp tool PEW12.194 complete w/dies & locator for solar terminals MC3 14-10AWG
501.664	624 570 3 1	Professional Crimp tool PEW12.570 complete w/dies & locator for solar terminals MC4 14-10AWG
501.665	624 817 3 1	Professional Crimp tool PEW12.817 complete w/dies & locator for solar terminals TYCO 16-10AWG
501.760	624 105-01	Universal kit for solar terminals complete w/tool PEW12.194, 3 die sets, 3 locators in case
501.763	624 105-02	Kit for solar terminals MC3/MC4 complete w/tool PEW12.194, 2 die sets, 2 locators, cutter, stripper in case
501.765	624 105-03	Kit for solar terminals TYCO complete w/tool PEW12.817, die set, locator, cutter, stripper in case

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Assembly Tools

For the professional in the solar field, ITC proposes two specially designed assembly tools for Multi-Contact MC3 and MC4 connectors:

- A complete tool for assembling the bushing and the plug insulation of MC3 connectors 2.5mm² to 10mm² (!4 to 10AWG).
- A simple plastic device for tightening/loosening the cable gland, and opening the locking device of MC4 connectors.
- A complete kit for solar connection, including a crimping tool PEW12 with dies/locators for MC3 and MC4 connectors, a special cutting tool for cutting copper/aluminum cables up to 50mm² section, and a precision stripping tool 1.5-10mm², as well as the two assembly tools above.



How to Order Assembly Tools (Order by Part No.):

Part No.	Model	Description
501.790	690 001	Assembly tool for MC3 connectors
501.791	725 000	Assembly tool for MC4 connectors
501.769	624 105-11	Complete assembly kit, including crimping, stripping, cutting, assembly tools

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Related products:

Stripping tool for solar cables	Request our JOKARI SE-Strip catalog, EB-21103.
Cable Stripping and dismantling tools	Request our Cable Stripping and Dismantling tools catalog.