

## Original Ferrule and Wire Size by Crimper Type

Use this Selector Guide to determine ferrule and wire sizes which can be crimped. Refer to following pages for selection and ordering information of crimpers.

1. Determine the wire size(s) to be used.
2. To insure efficient ferrule crimping, always select the smallest ferrule diameter that fits the wire.
3. Based on the ferrule size, choose the crimper type appropriate for use.
4. Select the crimper style best suited for your application.

|                      |        | Hand Crimpers |        |        |        | Large Ferrule Crimpers |                 |                 |                 |                 |                 |                 |                 | Crimping Pliers |               |            |             | Pneumatic Crimpers |        |        |        | Vise   |
|----------------------|--------|---------------|--------|--------|--------|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|------------|-------------|--------------------|--------|--------|--------|--------|
|                      |        | E110.000      | 006123 | 014473 | 014474 | 008878 & 008879        | 008878 & 008880 | 008878 & 008881 | 008878 & 008882 | 008878 & 008883 | 008878 & 009204 | 008878 & 008884 | 008878 & 008885 | CRIMPIT 05 Z    | CRIMPIT 2.4 Z | CRIMPIT 05 | CRIMPIT 2.4 | 22.014             | 22.015 | 22.016 | 22.017 | 22.030 |
| AWG                  | mm²    |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| SINGLE WIRE FERRULES |        |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 28                   | 0.08   |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 26                   | 0.14   |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 24                   | 0.25   |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 22                   | 0.34   |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 20                   | 0.5    |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 18                   | 0.75   |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 18                   | 1      |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 16                   | 1      |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 14                   | 2.5    |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 12                   | 4      |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 10                   | 6      |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 8                    | 10     |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 6                    | 16     |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 4                    | 25     |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 2                    | 35     |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 1                    | 50     |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 2/0                  | 70     |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 3/0                  | 95     |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 4/0                  | 120    |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 250MCM               | 150    |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 350MCM               | 185    |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 500MCM               | 240    |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| DUAL WIRE FERRULES   |        |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 2x20                 | 2x0.5  |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 2x18                 | 2x0.75 |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 2x16                 | 2x1.5  |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 2x14                 | 2x2.5  |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 2x12                 | 2x4    |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 2x10                 | 2x6    |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 2x8                  | 2x10   |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |
| 2x6                  | 2x16   |               |        |        |        |                        |                 |                 |                 |                 |                 |                 |                 |                 |               |            |             |                    |        |        |        |        |

## Crimpers



### Crimpit F 4

Crimping tool for ferrules (according to DIN 46228 part 1 and 4) with or without plastic collars. Only one crimping profile for the entire cross-section range.

**Ferrules:** 0,5 – 4 mm<sup>2</sup> (20 – 12 AWG)

**Twin Ferrules:** 2 x 0.5 – 2 x 2.5 mm<sup>2</sup> (2 x 20 – 2 x 14 AWG)

**Cat. No.: Crimpit F 4**

Weight 448 g



### Crimpit F 6 Auto

Crimping tool for ferrules (according to DIN 46228 part 1 and 4) with and without plastic collars. Feeding from front.

**Ferrules:** 0,5 – 6 mm<sup>2</sup> (20 – 10 AWG)

**Twin Ferrules:** 2 x 0.5 – 2 x 2.5 mm<sup>2</sup> (2 x 20 – 2 x 14 AWG)

**Cat. No.: Crimpit F 6 Auto**

Weight 426 g



### Crimpit F 6 Gyra

Crimping tool for ferrules (according to DIN 46228 part 1 and 4) with and without plastic collars. Rotatable crimp die for feeding from the front or the side.

**Ferrules:** 0,14 – 6 mm<sup>2</sup> (26 – 10 AWG)

**Twin Ferrules:** 2 x 0.5 – 2 x 4 mm<sup>2</sup> (2 x 20 – 2 x 12 AWG)

**Cat. No.: Crimpit F 6 Gyra**

Weight 428 g



### Crimpit F 6 EN

Crimping tool for ferrules (according to DIN 46228 part 1 and 4) with and without plastic collars. Crimp conforms to EN 60947-1. Five crimping profiles for the rated conductor cross-sections. Registration in accordance with VG 95211 (Military designation VG 95236 T 14 A 0001).

**Ferrules:** 0.25 – 6 mm<sup>2</sup> (24 – 10 AWG)

**Twin Ferrules:** 2 x 0.75 – 2 x 4 mm<sup>2</sup> (2 x 18 – 2 x 12 AWG)

**Cat. No.: Crimpit F 6 EN**

Weight 423 g

## Crimpers



### Crimpit F 6 L

Crimping tool for ferrules (conforming to DIN 46228 part 1 and 2) with and without insulating collar. Five crimping profiles depending on the wire cross-sections.

**Ferrules:** 0.5 – 6 mm<sup>2</sup> (20 – 10 AWG)

**Twin Ferrules:** 2 x 0.75 – 2 x 4 mm<sup>2</sup> (2 x 18 – 2 x 12 AWG)

**Cat. No.: Crimpit F 6 L**

Weight 335 g



### Crimpit F 16

Crimping tool for ferrules (according to DIN 46228 part 1 and 4) with and without plastic collars. Crimp conforms to EN 60947-1. Three crimping profiles for the rated conductor cross-sections. Registration in accordance with VG 95211 (Military designation VG 95236 T 14 A 0002).

**Ferrules:** 6 – 16 mm<sup>2</sup> (10 – 6 AWG)

**Cat. No.: Crimpit F 16**

Weight 418 g



### Crimpit F 16 L

Crimping tool for ferrules (according to DIN 46228 part 1 and 4) with and without plastic collars. Crimp conforms to EN 60947-1. Three crimping profiles for the rated conductor cross-sections.

**Ferrules:** 6 – 16 mm<sup>2</sup> (10 – 6 AWG)

**Cat. No.: Crimpit F 16 L**

Weight 380 g



### Crimpit F 25 L

Crimping tool for ferrules (according to DIN 46228 part 1 and 4) as well as for twin ferrules.

**Ferrules:** 6 – 25 mm<sup>2</sup> (10 – 4 AWG)

**Twin Ferrules:** 2 x 4 – 2 x 10 mm<sup>2</sup> (2 x 12 – 2 x 8 AWG)

**Cat. No.: Crimpit F 25 L**

Weight 540 g



## Crimpers



### Crimpit F 50 EN

Crimping tool for ferrules (according to DIN 46228 part 1 and 4) as well as for twin ferrules.

**Ferrules:** 25 – 50 mm<sup>2</sup> (4 – 1 AWG) **Twin Ferrules:** 2 x 16 mm<sup>2</sup> (2 x 6 AWG)

**Cat. No.: Crimpit F 50 EN**

Weight 540 g



### Crimpit F Multi

Multi-function tool. Stripping and cutting of wires. Crimping tool for insulated belt-strip ferrules according to DIN 46228.

**Cross-section:** 0.5 – 2,5 mm<sup>2</sup> (20 – 14 AWG)

**Ferrules:** 0.5 – 2.5 mm<sup>2</sup> (20 – 14 AWG)

**Cat. No.: Crimpit F Multi**

Weight 260 g

## Ferrule Crimping Machines



*For technical and ordering information regarding Ferrule Crimping Machines please contact Altech.*

Crimper Selections

UL Crimper photos are supplied by Zoller & Fröhlich GmbH.

## Universal Ferrule Crimpers for Original Ferrules

### Front and Side Conductor Entry

Crimpers work with a wide range of insulated and uninsulated ferrule sizes. Universal Ferrule Crimpers are offered to crimp different ferrule and wire size ranges up to 500MCM).

- Positive ratcheting with spring return
- Trapezoidal and square crimp geometry
- Comfort grip plastic handle
- Hardened steel frame

#### Universal Ferrule Crimper Trapizodial Crimp



| Part No.        | Wire/<br>AWG         | Ferrule<br>mm <sup>2</sup>  |
|-----------------|----------------------|-----------------------------|
| <b>E550.000</b> | 28 - 6<br>2x24 - 2x8 | 0.08 - 16<br>2x.25 - 2x10.0 |

1851-6300 Replacement Trapezoidal Die

#### Universal Ferrule Crimper Square Crimp



| Part No.        | Wire/<br>AWG         | Ferrule<br>mm <sup>2</sup>  |
|-----------------|----------------------|-----------------------------|
| <b>E660.000</b> | 28 - 6<br>2x24 - 2x8 | 0.08 - 16<br>2x.25 - 2x10.0 |

1851-6200 Replacement Square Die

#### Universal Ferrule Crimper Square Crimp



| Part No.      | Wire/<br>AWG        | Ferrule<br>mm <sup>2</sup> |
|---------------|---------------------|----------------------------|
| <b>014473</b> | 8 - 0 (1/0)         | 10 - 50                    |
| <b>014474</b> | 0 (1/0) - 000 (3/0) | 50 - 95                    |

## Larger Ferrule Crimpers

Individual crimp cavities conform to industry standard insulated and uninsulated ferrules from 1 - 500 MCM AWG 50-500mm<sup>2</sup>)

- Positive ratcheting with spring return
- Trapezoidal crimp geometry
- Comfort grip plastic handle
- Hardened steel frame

#### Large Ferrule Crimper Crimping Die-Sets Sold Separately



Handle Only without Die Set

**008878** CE 240



| Die-Set Part No. | Wire Size                  |
|------------------|----------------------------|
| 008880 CE E50    | 1 AWG 50mm <sup>2</sup>    |
| 008881 CE E70    | 2/0 AWG 70mm <sup>2</sup>  |
| 008882 CE E95    | 3/0 AWG 95mm <sup>2</sup>  |
| 008883 CE E120   | 4/0 AWG 120mm <sup>2</sup> |
| 009204 CE E150   | 250 MCM 250mm <sup>2</sup> |
| 008884 CE E185   | 350 MCM 350mm <sup>2</sup> |
| 008885 CE E240   | 500 MCM 500mm <sup>2</sup> |

#### Lighter Duty Ferrule Crimping Pliers



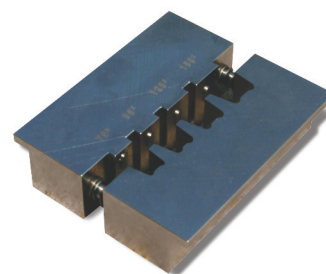
#### Ferrule Crimping Pliers with Ratched Cycle

| Part No.      | For Wire Sizes                        |
|---------------|---------------------------------------|
| Crimpit 05 Z  | 26-20 AWG (0.14-0.5 mm <sup>2</sup> ) |
| Crimpit 2.4 Z | 20-14 AWG (0.5-2.5 mm <sup>2</sup> )  |

#### Ferrule Crimping Pliers without Ratched Cycle

| Part No.    | For Wire Sizes                        |
|-------------|---------------------------------------|
| Crimpit 05  | 26-20 AWG (0.14-0.5 mm <sup>2</sup> ) |
| Crimpit 2.4 | 20-14 AWG (0.5-2.5 mm <sup>2</sup> )  |

#### Vise Mount Ferrule Crimper



| Part No.      | Wire/<br>AWG   | Ferrule<br>mm <sup>2</sup> |
|---------------|----------------|----------------------------|
| <b>22.030</b> | 2/0-250<br>MCM | 70 - 150                   |



## Pneumatic Crimping Tool for Original Ferrules

Altech's pneumatic crimping tools speed the crimping process of insulated or uninsulated ferrules for a wide range of wire sizes up to 8 AWG.

Altech pneumatic crimpers are simple and easy to use. Just install the ferrule over the end of the stripped wire and insert it into either the front or side tool opening. Then touch the actuating lever or push the foot switch pedal to initiate the crimp cycle. Once the head closes it will automatically reopen after crimping. The resulting crimp features a compact trapezoidal cross section which is mechanically very strong and provides a large surface to insure a highly efficient electrical contact.

Crimp ferrules efficiently and economically. A unique dual crimping head provides convenient front or side wire entry, allowing crimping from multiple positions. This features makes crimping in tight places simple.

Choose either lever actuated, hand held units or hands-free foot switch operated table top models, in two basic tool sizes. Hand held models feature a flexible coil air-hose with 1/4" NPT interchange connector for quick hook-up with a standard push-to-connect coupler.

The table top units also include a flexible coil air hose to the foot switch and a 1/4" NPT interchange located on the foot switch for one hand push-to-connect supply hook-up. They feature a sturdy metal base with integral table clamp and dual storage trays for quick access to the ferrule supply. The air release port on the foot switch has been quieted with a sintered bronze air silencer. The foot switch has a metal frame and a tough fiberglass shroud. Its spring return pedal provides for short actuating cycles.

Optional items for the hand held crimper include a counterbalance for maximum control and a magnetic holder for storage.



- Operates on 60 - 90 psi air supply
- Crimp insulated and uninsulated ferrules
- Trapezoidal crimp geometry
- Flexible coil air hose with 1/4" NPT interchange
- Metal tool body and base
- Hardened steel crimp head

| Tool  | Wire/ Ferrule Size<br>AWG | mm <sup>2</sup> | Cat. No.      | Tool Wt.<br>g (lbs.) | Std.<br>Pack |
|---|---------------------------|-----------------|---------------|----------------------|--------------|
| <b>Hand Held Crimper with Actuating Lever</b><br>Crimp Insulated Ferrules<br>and Uninsulated Ferrules               | 24-14                     | 0.25-2.5        | <b>22.014</b> | 430 (.95)            | 1            |
| <b>Hand Held Crimper with Actuating Lever</b><br>Crimp Insulated Ferrules<br>and Uninsulated Ferrules               | 12-8                      | 4-10            | <b>22.015</b> | 430 (.95)            | 1            |
| <b>Table Top Crimper with Foot Switch and Storage Trays</b><br>Crimp Insulated Ferrules<br>and Uninsulated Ferrules | 24-14                     | 0.25-2.5        | <b>22.016</b> | 1000 (2.20)          | 1            |
| <b>Table Top Crimper with Foot Switch and Storage Trays</b><br>Crimp Insulated Ferrules<br>and Uninsulated Ferrules | 12-8                      | 4-10            | <b>22.017</b> | 1000 (2.20)          | 1            |
| <b>Magnetic Mounting Holder</b><br><i>for hand held pneumatic crimpers</i>  |                           |                 | <b>22.018</b> | ---                  | 1            |
| <b>Counterbalance</b><br><i>for hand held pneumatic crimpers</i>  |                           |                 | <b>22.019</b> | ---                  | 1            |