Wiring Accessories

Single Insulated Wire Ferrules

These tin-plated copper single insulated ferrules are designed to accommodate conductors with cross-sections ranging from 20AWG to 1AWG (0.5 to 50 mm²). Tolerances according to DIN 46228 part 4.

- Heat resistant from -5°C to 105°C [23° to 221°F]
- CE / RoHs 2011/65/EU
- UL E333905
- CSA-US 1176867

Insulating Collar: Polypropylene-fluoropolymer
Tube: Copper (Cu-DHP)
Tin Plating: Galvanically tin-plated, bright finish

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Cross Section</th>
<th>Dimensions (mm)</th>
<th>Pcs/ Pkg</th>
<th>Price</th>
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<tbody>
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Available Colors

- Orange
- White
- Blue
- Ivory
- Black
- Green
- Gray
- Brown
- Yellow
- Beige
- Red
- Olive

Twin Insulated Wire Ferrules

These tin-plated copper twin insulated ferrules are designed to accommodate conductors with cross-sections ranging from 20 AWG to 6 AWG (0.5 to 16 mm²). Tolerances according to DIN 46228 part 4.

- Heat resistant from -5°C to 105°C [23° to 221°F]
- CE / RoHs 2011/65/EU
- UL E333905
- CSA-US 1176867

Insulating Collar: Polypropylene-fluoropolymer
Tube: Copper (Cu-DHP)
Tin Plating: Galvanically tin-plated, bright finish

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Cross Section</th>
<th>Dimensions (mm)</th>
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<th>Price</th>
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Color Selection

- Orange
- Blue
- Black
- Gray
- Yellow
- Red
- White
- Ivory
- Green
Wiring Accessories

Crimp Terminals

Partially insulated crimp terminals are constructed from high quality tin-plated copper and PVC. Heat resistant from -4°F [-20°C] up to +167°F [+75°C]. Flammability classification UL 94-V0.

Insulation: polyvinyl chloride
Sleeve material: copper

### Partially Insulated PVC Ring Terminals

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Cross Section</th>
<th>Dimension (mm)</th>
<th>Pcs/ Pkg</th>
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Note: Dimensions are approximate. Please visit our website www.AutomationDirect.com for complete engineering drawings.
Wiring Accessories

Disconnect Terminals

Disconnect terminals are constructed from copper-enhanced PVC and brass. Heat resistant from −4°F [−20°C] up to +167°F [+75°C]. Flammability classification UL 94-V0.

Insulation: polyvinyl chloride strengthened with copper
Sleeve material: brass

Male Bullet Disconnect Terminals

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Female Bullet Disconnect Terminals

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Partially Insulated PVC Female Disconnect Terminals

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Fully Insulated PVC Female Disconnect Terminals

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</table>

Note: Dimensions are approximate. Please visit our website www.AutomationDirect.com for complete engineering drawings.
Wiring Accessories

Disconnect Terminals

Disconnect terminals are constructed from copper-enhanced PVC and brass. Heat resistant from -4°F [-20°C] up to +167°F [+75°C]. Flammability classification UL 94-V0.

Insulation: polyvinyl chloride strengthened with copper
Sleeve material: brass

Partially Insulated Piggy Back Disconnect Terminals

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Cross Section</th>
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<th>Pcs/Pkg</th>
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<td>13.4 x 12.0</td>
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Partially Insulated PVC Male Disconnect Terminals

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</table>

Note: Dimensions are approximate. Please visit our website www.AutomationDirect.com for complete engineering drawings.
Wiring Accessories

Crimping Tools

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Weight</th>
<th>Price</th>
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<tbody>
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<td>Crimping tool for use with single ferrules AWG 20 - 10 (0.5 - 6 mm²) and twin ferrules AWG 2 x 18 - 2 x 12 (2 x 0.75 - 2 x 4 mm²). 5 crimping positions. With and without insulating collar. Conforms to DIN 46228 part 1 and 2.</td>
<td>0.74 lb (335g)</td>
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<td>K70ZA000117</td>
<td>Crimping tool for use with single ferrules AWG 10 - 4 (6 - 25 mm²) and twin ferrules AWG 2 x 12 - 2 x 8 (2 x 1 x 4 - 2 x 10 mm²). 4 crimping positions. Conforms to DIN 46228 part 1 and 4.</td>
<td>1.19 lb (540g)</td>
<td>$111.00</td>
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<tr>
<td>K70ZA000118</td>
<td>Crimping tool for use with single ferrules AWG 2 - 1 (35 - 50 mm²) and twin ferrules AWG 2 x 6 (2 x 16 mm²). 2 crimping positions. Conforms to DIN 46228 part 1 and 4.</td>
<td>1.19 lb (540g)</td>
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<td>K70ZA000130</td>
<td>Crimping tool for PVC-insulated terminals AWG 20 - 10 (0.5 - 6 mm²). 3 crimping positions.</td>
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Crimping Tools Cross Reference

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</table>

Note: ZF crimping tools recommended by the ferrule manufacturer before terminating in terminal blocks, wire connectors, or end-product terminals (such as starters, etc.).

For latest prices, please check AutomationDirect.com
# Wiring Accessories – Crimping Tools

## Crimping Tools Overview

Our high-quality industrial crimping tools are designed to crimp a wide range of insulated and non-insulated crimping terminals, ferrules, and connectors. They feature ergonomic handles and controlled-cycle ratcheting mechanisms to guarantee a uniform crimp every time. Choose from fixed or interchangeable die tools or tool/die sets with multiple dies.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Pcs/Pkg</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>DN-CT-HDL</td>
<td>Crimping tool handle for DN-CT-Dx dies (dies NOT included)</td>
<td>1</td>
<td>$59.00</td>
</tr>
<tr>
<td>DN-CT-D1</td>
<td>Die set for DN-CT-HDL; 26-22 &amp; 12-10 AWG (0.1-0.4 &amp; 4-6 mm² green &amp; yellow insulated terminals)</td>
<td>1</td>
<td>$45.50</td>
</tr>
<tr>
<td>DN-CT-D2</td>
<td>Die set for DN-CT-HDL; 22-14 AWG (0.5-2.5 mm² red &amp; blue insulated terminals)</td>
<td>1</td>
<td>$45.50</td>
</tr>
<tr>
<td>DN-CT-D3</td>
<td>Die set for DN-CT-HDL; 22-10 AWG (0.5-6 mm²) non-insulated terminals</td>
<td>1</td>
<td>$39.50</td>
</tr>
<tr>
<td>DN-CT-D4</td>
<td>Die set for DN-CT-HDL; 24-8 AWG (0.25-10 mm²) wire ferrules</td>
<td>1</td>
<td>$39.50</td>
</tr>
<tr>
<td>DN-CT-D5</td>
<td>Die set for DN-CT-HDL; 6-4 AWG (16-25 mm²) wire ferrules</td>
<td>1</td>
<td>$39.50</td>
</tr>
<tr>
<td>DN-CT-D6</td>
<td>Die set for DN-CT-HDL; 2-1/0 AWG (35-50 mm²) wire ferrules</td>
<td>1</td>
<td>$39.50</td>
</tr>
<tr>
<td>DN-CT-D7</td>
<td>Die set for DN-CT-HDL; 22-10 AWG (0.5-6 mm²) open barrel non-insulated terminals</td>
<td>1</td>
<td>$61.00</td>
</tr>
<tr>
<td>DN-CT-D8</td>
<td>Die set for DN-CT-HDL; 8-pin (RJ45) modular plugs</td>
<td>1</td>
<td>$39.50</td>
</tr>
<tr>
<td>DN-CT-D9</td>
<td>Die set for DN-CT-HDL; 6-pin (RJ11/RJ12) modular plugs</td>
<td>1</td>
<td>$39.50</td>
</tr>
<tr>
<td>DN-CT-SET</td>
<td>Crimping tool modular system; includes handle and three die sets (DN-CT-HDL + DN-CT-D2 + DN-CT-D4 + DN-CT-D5)</td>
<td>1</td>
<td>$163.00</td>
</tr>
</tbody>
</table>

* The DN-CT-xx series features a crimping tool with multiple interchangeable dies separately available. The die pairs are held together for easy handling, and can be interchanged without separate tools.

For latest prices, please check AutomationDirect.com
Wiring Accessories – Crimping Tool

DN-CT-Dx Interchangeable Crimping Dies
(for DN-CT-xxx crimping tool only)

These dies are held together for easy handling, and can be interchanged without additional tools. All DN-CT-Dx dies have been tested on leading brands of connectors to ensure quality connections. Dies come in modular holders that can be connected together when not in use.

DN-CT-D1 (4300-3128)
Insulated Terminals & Connectors
26–22 AWG & 12–10 AWG
[Green & Yellow] (0.1–0.4 & 4–6 mm²)

DN-CT-D2 (4300-3129)
Insulated Terminals & Connectors
22–14 AWG
[Red & Blue] (0.5–2.5 mm²)

DN-CT-D3 (4300-3142)
Non-Insulated Terminals & Connectors
22–10 AWG
(0.5–6 mm²)

DN-CT-D4 (4300-3127)
Wire Ferrules
24–8 AWG
(0.25–10 mm²)

DN-CT-D5 (4300-3153)
Wire Ferrules
6–4 AWG
(16–25 mm²)

DN-CT-D6 (4300-3154)
Wire Ferrules
2–1/0 AWG
(35–50 mm²)

DN-CT-D7 (4300-3146)
Non-Insulated Open-Barrel Terminals
22–10 AWG
(0.5–6 mm²)

DN-CT-D8 (4300-3144)
8-pin Modular Plugs
RJ45

DN-CT-D9 (4300-3132)
6-pin Modular Plugs
RJ11/RJ12

For latest prices, please check AutomationDirect.com
Wiring Accessories – Self-Adjusting Crimping Tools

Lightweight, compact, comfortable and self-adjusting tool for crimping ferrules/wire end sleeves.

Features

- Ratchet (with emergency release) to ensure crimps are completed according to specification
- Well balanced to avoid slipping out of the hand
- Non-slip grip pad for applying pressure against a surface
- Ergonomically shaped handles with hardness and surface textures selected for comfortable frequent use
- Low handle force for larger ferrule sizes
- Compact and light-weight design for easy access within confined spaces
- Hole for attaching a safety strap
- Square or Hexagonal crimp profile

Self-Adjusting Crimping Tools Specifications

<table>
<thead>
<tr>
<th>Connectors</th>
<th>Insulated and non-insulated ferrules/wire end sleeves</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>0.14 - 10.0 mm²/AWG 26-8</td>
</tr>
<tr>
<td>Crimp Length</td>
<td>Up to 0.47 in [12mm]</td>
</tr>
<tr>
<td>Lifespan</td>
<td>Tested to 50,000 cycles</td>
</tr>
<tr>
<td>Length</td>
<td>6.93 in [176mm]</td>
</tr>
<tr>
<td>Width</td>
<td>1.02 in [26mm]</td>
</tr>
<tr>
<td>Height</td>
<td>2.44 in [62mm]</td>
</tr>
<tr>
<td>Handle spread (closed)</td>
<td>1.81 in [46mm]</td>
</tr>
<tr>
<td>Handle spread (open)</td>
<td>5.59 in [142mm]</td>
</tr>
<tr>
<td>Weight</td>
<td>Square: 0.80 lb [362g]  Hexagonal: 0.81 lb [371g]</td>
</tr>
</tbody>
</table>

The finished square and hexagonal crimps have the same cross-sectional area. Choosing between the square and hexagonal crimp tools depends on the shape of the hole where the wire will be inserted. Square crimps fit better in rectangular holes while hexagonal crimps fit better in round holes.

Self-Adjusting Crimping Tools

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>DN-FE-16S</td>
<td>Wire crimping tool, self-adjusting, square profile, 26 to 8 AWG capacity. For use with insulated and non-insulated wire ferrules.</td>
<td>$226.00</td>
</tr>
<tr>
<td>DN-FE-16H</td>
<td>Wire crimping tool, self-adjusting, hexagonal profile, 26 to 8 AWG capacity. For use with insulated and non-insulated wire ferrules.</td>
<td>$226.00</td>
</tr>
</tbody>
</table>

For latest prices, please check AutomationDirect.com
Lightweight, compact, comfortable and self-adjusting tool for crimping ferrules/wire end sleeves

Features

- Rotatable die for front or side crimping
- Ratchet (with emergency release) to ensure crimps are completed according to specification
- Well balanced to avoid slipping out of the hand
- Non-slip grip pad for applying pressure against a surface
- Ergonomically shaped handles with hardness and surface textures selected for comfortable frequent use
- Low handle force for larger ferrule sizes
- Compact and light-weight design for easy access within confined spaces
- Hole for attaching a safety strap
- Trapezoidal crimp profile

Self-Adjusting Crimping Tool with Rotatable Die Specifications

<table>
<thead>
<tr>
<th>Connectors</th>
<th>Insulated and non-insulated ferrules/wire end sleeves</th>
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<tbody>
<tr>
<td>Capacity</td>
<td>0.14 - 10.0 mm²/AWG 26-8</td>
</tr>
<tr>
<td>Crimp Length</td>
<td>Up to 0.47 in [12mm]</td>
</tr>
<tr>
<td>Lifespan</td>
<td>Tested to 50,000 cycles</td>
</tr>
<tr>
<td>Length</td>
<td>7.09 in [180mm]</td>
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<tr>
<td>Width</td>
<td>1.02 in [26mm]</td>
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<tr>
<td>Height</td>
<td>2.56 in [65mm]</td>
</tr>
<tr>
<td>Handle spread (closed)</td>
<td>1.81 in [46mm]</td>
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<tr>
<td>Handle spread (open)</td>
<td>5.31 in [135mm]</td>
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<tr>
<td>Weight</td>
<td>0.66 lb [300g]</td>
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Self-Adjusting Crimping Tools

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
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<tr>
<td>DN-FE-16T</td>
<td>Wire crimping tool, self-adjusting, rotatable die, trapezoidal profile, 26 to 8 AWG capacity. For use with insulated and non-insulated wire ferrules.</td>
<td>$226.00</td>
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Wiring Accessories – Cutting & Stripping Tools

Wire Cutting and Stripping Tools

<table>
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<th>Part #</th>
<th>Description</th>
<th>Pcs/Pkg</th>
<th>Price</th>
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<tr>
<td>DN-WS</td>
<td>Cutting and stripping tool with replaceable blades and jaw inserts; includes (1) DN-WSJ blade Approximate dimensions: 7.5 x 4.8 x 0.8 in (191 x 123 x 20 mm); Weight: 4.8 oz (136g)</td>
<td>1</td>
<td>$56.00</td>
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<tr>
<td>DN-WSJ</td>
<td>DN-WS replacement straight-blade insert; for PVC insulations; 34-8 AWG (0.02-10 mm²)</td>
<td>1</td>
<td>$20.50</td>
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<tr>
<td>DN-WSMMC</td>
<td>DN-WS 16 mm² blade insert; 12-5 AWG (4-16 mm²)</td>
<td>1</td>
<td>$42.50</td>
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<td>DN-WSVBC</td>
<td>DN-WS V-blade insert; for harder insulations such as PTFE &amp; PVC; 28-12 AWG (0.1-4 mm²)</td>
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<td>$26.50</td>
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<tr>
<td>DN-WSRJ</td>
<td>DN-WS replacement jaw inserts</td>
<td>2</td>
<td>$7.00</td>
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Cable Stripping Tool DN-CST

- Small, simple, safe, and precise tool for removing insulation from copper and fiber optic audiovisual, data transmission, instrumentation, signal, and telephone cables.
- Precise: 9-position blade height adjustment wheel for fine adjustability and repeatability
- Easy to use: Squeeze the tool together to open the stripping cavity, insert cable, rotate once, and remove tool from cable. Separately pull scrap insulation off of cable.
- Safe: Smooth, rounded, pocketable, and lightweight design; no exposed blades
- Tough: Impact resistant nylon tested to over 50k cycles
- Economical: Replacement nylon tested to over 50k cycles
- Cable capacity: Ø 0.1-0.43 in (2.5-11 mm)
- Insulation thickness: Up to 0.04 in (1.0 mm)