Professional quality. Featuring an adjustable crimping compression mechanism and an up/down ratchet lock, the crimping tool is designed for 10 to 22-gauge wire. High carbon steel jaws, handles with a black oxide finish and ABS grip sleeves make this tool easy and comfortable to use.

For wire terminals

CAT# CT-51
$34.95 each

For flag terminals

CAT# CT-67
$36.50 each

Quick Splices

<table>
<thead>
<tr>
<th>CAT#</th>
<th>Wire Size</th>
<th>Color</th>
<th>CAT#</th>
<th>50</th>
<th>100</th>
<th>500</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>7100</td>
<td>22-18</td>
<td>RED</td>
<td>50</td>
<td>4.00</td>
<td>7.20</td>
<td>32.00</td>
<td>56.00</td>
</tr>
<tr>
<td>7200</td>
<td>16-14</td>
<td>BLUE</td>
<td>50</td>
<td>3.95</td>
<td>7.10</td>
<td>31.40</td>
<td>54.90</td>
</tr>
<tr>
<td>7300</td>
<td>12-10</td>
<td>YELLOW</td>
<td>50</td>
<td>6.55</td>
<td>11.80</td>
<td>52.40</td>
<td>91.70</td>
</tr>
</tbody>
</table>

Quick Taps

Tap into an existing wire using pliers to squeeze connector in place. Connect to a standard male push-on terminal (not included).

Ratcheting Crimper for Insulated Terminals

Professional quality. Featuring an adjustable crimping compression mechanism and an up/down ratchet lock, the crimping tool is designed for 10 to 22-gauge wire. High carbon steel jaws, handles with a black oxide finish and ABS grip sleeves make this tool easy and comfortable to use.

For wire terminals

CAT# CT-51
$34.95 each

For flag terminals

CAT# CT-67
$36.50 each

Ratcheting Crimping Tool for Insulated Terminals

Wiring Nuts

<table>
<thead>
<tr>
<th>Size</th>
<th>Color</th>
<th>Cat#</th>
<th>50</th>
<th>100</th>
<th>500</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>18-28 ga. wire</td>
<td>Grey</td>
<td>WN-1</td>
<td>$2.00</td>
<td>$3.50</td>
<td>$15.00</td>
<td>$25.00</td>
</tr>
<tr>
<td>18-24 ga. wire</td>
<td>Blue</td>
<td>WN-2</td>
<td>$3.00</td>
<td>$5.50</td>
<td>$25.00</td>
<td>$45.00</td>
</tr>
<tr>
<td>16-22 ga. wire</td>
<td>Orange</td>
<td>WN-3</td>
<td>$3.75</td>
<td>$7.00</td>
<td>$32.50</td>
<td>$60.00</td>
</tr>
<tr>
<td>18-12 ga. wire</td>
<td>Yellow</td>
<td>WN-4</td>
<td>$3.75</td>
<td>$7.00</td>
<td>$32.50</td>
<td>$60.00</td>
</tr>
<tr>
<td>18-10 ga. wire</td>
<td>Red</td>
<td>WN-6</td>
<td>$3.75</td>
<td>$7.00</td>
<td>$32.50</td>
<td>$60.00</td>
</tr>
</tbody>
</table>

Rubber Grommets

Telecom Connectors

For 19-26 AWG wire. Simply put wires in place and push button with pliers or crimping tool. Filled with silicone gel to insulate and improve conductivity.

2-Wire Butt

SPlice - YELLOW

CAT# UYC  10 for $2.00
50 for $7.50 • 100 for $11.00

3-Wire Butt

SPlice - RED

CAT# URC  10 for $2.50
50 for $10.00 • 100 for $14.00

TAP Connector

Allows user to tap directly into an existing wire without cutting.

CAT# UBC  10 for $2.50
50 for $10.00 • 100 for $14.00

Modular Phone Connectors

Crimp-on Modular Plugs

For use with flat telephone wire. 8 pin plugs are for flat cable or CAT5E round cable.

4 Pin (6 x 4) RJ-11 Modular Plugs

CAT# CMP-4  10 for $2.50
50 for $10.00 • 100 for $18.00

6 Pin (6 x 6) RJ-12 Modular Plugs

CAT# CMP-6  10 for $3.00
50 for $12.50 • 100 for $20.00

8 Pin RJ-45 Modular Plugs

CAT# CMP-8  10 for $3.50
50 for $15.00 • 100 for $22.50
HEAT SHRINKABLE TUBING & ACCESSORIES

4' LENGTH OF HEATSHRINK TUBING
Polyolefin heat shrinkable tubing shrinks to 50% of its original diameter when heated. It forms a tight mechanical bond even over irregularly shaped materials.

Size is listed is expanded (pre-shrunk) diameter.

<table>
<thead>
<tr>
<th>Dia</th>
<th>Color</th>
<th>CAT#</th>
<th>Per 4’</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/64”</td>
<td>BLACK</td>
<td>HUG-364B</td>
<td>$1.15</td>
</tr>
<tr>
<td></td>
<td>RED</td>
<td>HUG-364R</td>
<td>$1.15</td>
</tr>
<tr>
<td></td>
<td>WHITE</td>
<td>HUG-364W</td>
<td>$1.15</td>
</tr>
<tr>
<td>1/16”</td>
<td>BLACK</td>
<td>HUG-116B</td>
<td>$1.20</td>
</tr>
<tr>
<td></td>
<td>RED</td>
<td>HUG-116R</td>
<td>$1.20</td>
</tr>
<tr>
<td></td>
<td>WHITE</td>
<td>HUG-116W</td>
<td>$1.20</td>
</tr>
<tr>
<td>3/32”</td>
<td>BLACK</td>
<td>HUG-332B</td>
<td>$1.25</td>
</tr>
<tr>
<td></td>
<td>RED</td>
<td>HUG-332R</td>
<td>$1.25</td>
</tr>
<tr>
<td></td>
<td>WHITE</td>
<td>HUG-332W</td>
<td>$1.25</td>
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<tr>
<td>1/8”</td>
<td>BLACK</td>
<td>HUG-18B</td>
<td>$1.35</td>
</tr>
<tr>
<td></td>
<td>RED</td>
<td>HUG-18R</td>
<td>$1.35</td>
</tr>
<tr>
<td></td>
<td>WHITE</td>
<td>HUG-18W</td>
<td>$1.35</td>
</tr>
<tr>
<td>3/16”</td>
<td>BLACK</td>
<td>HUG-316B</td>
<td>$1.40</td>
</tr>
<tr>
<td></td>
<td>RED</td>
<td>HUG-316R</td>
<td>$1.40</td>
</tr>
<tr>
<td></td>
<td>WHITE</td>
<td>HUG-316W</td>
<td>$1.40</td>
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<tr>
<td>1/4”</td>
<td>BLACK</td>
<td>HUG-14B</td>
<td>$1.45</td>
</tr>
<tr>
<td></td>
<td>RED</td>
<td>HUG-14R</td>
<td>$1.45</td>
</tr>
<tr>
<td></td>
<td>WHITE</td>
<td>HUG-14W</td>
<td>$1.45</td>
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<tr>
<td>3/8”</td>
<td>BLACK</td>
<td>HUG-38B</td>
<td>$2.15</td>
</tr>
<tr>
<td></td>
<td>RED</td>
<td>HUG-38R</td>
<td>$2.15</td>
</tr>
<tr>
<td></td>
<td>WHITE</td>
<td>HUG-38W</td>
<td>$2.15</td>
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<tr>
<td>1/2”</td>
<td>BLACK</td>
<td>HUG-12B</td>
<td>$2.40</td>
</tr>
<tr>
<td></td>
<td>RED</td>
<td>HUG-12R</td>
<td>$2.40</td>
</tr>
<tr>
<td></td>
<td>WHITE</td>
<td>HUG-12W</td>
<td>$2.40</td>
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<tr>
<td>3/4”</td>
<td>BLACK</td>
<td>HUG-34B</td>
<td>$3.15</td>
</tr>
<tr>
<td></td>
<td>RED</td>
<td>HUG-34R</td>
<td>$3.15</td>
</tr>
<tr>
<td>1”</td>
<td>BLACK</td>
<td>HUG-1B</td>
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</tr>
<tr>
<td></td>
<td>CLEAR</td>
<td>HUG-1C</td>
<td>$4.50</td>
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</table>

100’ ROLL OF HEATSHRINK TUBING

<table>
<thead>
<tr>
<th>Dia</th>
<th>CAT#</th>
<th>Per 100’</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/64”</td>
<td>HSS-364B *</td>
<td>$12.50</td>
</tr>
<tr>
<td>1/16”</td>
<td>HSS-116(X)</td>
<td>$12.00</td>
</tr>
<tr>
<td>3/32”</td>
<td>HSS-332(X)</td>
<td>$13.00</td>
</tr>
<tr>
<td>1/8”</td>
<td>HSS-18(X)</td>
<td>$15.00</td>
</tr>
<tr>
<td>3/16”</td>
<td>HSS-316(X)</td>
<td>$19.00</td>
</tr>
<tr>
<td>1/4”</td>
<td>HSS-14(X)</td>
<td>$22.00</td>
</tr>
<tr>
<td>3/8”</td>
<td>HSS-38(X)</td>
<td>$25.00</td>
</tr>
<tr>
<td>1/2”</td>
<td>HSS-12(X)</td>
<td>$30.00</td>
</tr>
</tbody>
</table>

DUAL WALL HEAT SHRINK TUBING
Medium insulated polyolefin tubing, 3:1 shrink ratio. The inner tubing wall is a modified polyimide adhesive that melts & flows, encapsulating and sealing components contained within the tube. Flexible and flame retardant - provides excellent protection from fluids, moisture & corrosion. 4’ length.

<table>
<thead>
<tr>
<th>Dia</th>
<th>Color</th>
<th>CAT#</th>
<th>Color</th>
<th>CAT#</th>
<th>Color</th>
<th>CAT#</th>
<th>Color</th>
<th>CAT#</th>
<th>Color</th>
<th>CAT#</th>
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<th>CAT#</th>
<th>Color</th>
<th>CAT#</th>
<th>Color</th>
<th>CAT#</th>
<th>Color</th>
<th>CAT#</th>
</tr>
</thead>
</table>

HEATSHRINK TUBING ASSORTMENTS
IN UNBREAKABLE CLEAR PLASTIC BOXES

Have the right piece of heatshrink tubing when you need it. 4’ lengths of 6 different diameters: 1/16” - 56 pcs, 3/32” - 35 pcs, 1/8” - 28 pcs, 3/16” - 18 pcs, 1/4” - 9 pcs, 3/8” - 8 pcs.

<table>
<thead>
<tr>
<th>Assorted Colors, 154 pieces:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black, red, clear, yellow, green, blue, white</td>
</tr>
<tr>
<td>CAT# HS-4900</td>
</tr>
</tbody>
</table>

BLACK ONLY, 154 PIECES:

| CAT# HS-4901 | $10.95 per kit |

DUAL WALL HEATSHRINK TUBING KIT
Double-wall, adhesive-lined heatshrink tubing assortment. 4” black polyolefin with adhesive lining. Shrinks to half its original diameter when heated, creating a moisture-resistant, tight, flexible protective seal. Contains:

<table>
<thead>
<tr>
<th>1/8”</th>
<th>12 pcs</th>
<th>3/8”</th>
<th>6 pcs</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/16”</td>
<td>8 pcs</td>
<td>1/4”</td>
<td>3 pcs</td>
</tr>
<tr>
<td>1/2”</td>
<td>2 pcs</td>
<td>1”</td>
<td>1 pc</td>
</tr>
<tr>
<td>CAT# HS-4903</td>
<td>$15.95 per kit</td>
<td></td>
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</table>

NYLON CABLE CLAMPS, #10 STUD

<table>
<thead>
<tr>
<th>Available in white and black. Black = (B) i.e. add a B to the end of the catalog number for black.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIA.</td>
</tr>
<tr>
<td>3/4”</td>
</tr>
<tr>
<td>9/16”</td>
</tr>
<tr>
<td>1/2”</td>
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<td>3/8”</td>
</tr>
<tr>
<td>5/16”</td>
</tr>
<tr>
<td>1/4”</td>
</tr>
<tr>
<td>3/16”</td>
</tr>
<tr>
<td>1/8”</td>
</tr>
</tbody>
</table>

18 AWG TEFLON TUBING

<table>
<thead>
<tr>
<th>PTFE 18 TW NATURAL, 18 AWG, thin-wall Teflon tubing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural (white), Rated 200°C, 300V rated. Nominal I.D. 0.042”. Wall Thickness: 0.012”. CSA.</td>
</tr>
<tr>
<td>CAT# PTFE-18</td>
</tr>
<tr>
<td>100’ for $10.00 • 1000’ for $50.00</td>
</tr>
</tbody>
</table>
CABLES, CONNECTORS AND ADAPTERS

VIDEO CABLES W/ RCA PLUGS

Special Price for 6’ long cables!
CAT# VMC-6 3 for 99¢ • 100 for 25¢ each

<table>
<thead>
<tr>
<th>Length</th>
<th>CAT#</th>
<th>Price</th>
<th>10</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>25'</td>
<td>VMC-25</td>
<td>$3.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>$2.60</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CABLES W/ F CONNECTORS

75 Ohm, RG-6U high-definition cable. AWG 18 solid copper-clad steel center. Double Aluminum foil shield plus 67% tinned-copper braid shield. UL-AWM style 1354 80º C, 300V.

<table>
<thead>
<tr>
<th>Feet</th>
<th>Color</th>
<th>CAT#</th>
<th>Price</th>
<th>10</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>3'</td>
<td>Black</td>
<td>VHR-3B</td>
<td>$1.20</td>
<td>1.00</td>
<td>0.80</td>
</tr>
<tr>
<td>6'</td>
<td>Black</td>
<td>VHR-6B</td>
<td>$2.25</td>
<td>2.00</td>
<td></td>
</tr>
<tr>
<td>25'</td>
<td>White</td>
<td>VHR-25W</td>
<td>$5.50</td>
<td>5.25</td>
<td></td>
</tr>
<tr>
<td>50'</td>
<td>Black</td>
<td>VHR-50B</td>
<td>$8.00</td>
<td>7.00</td>
<td>6.20</td>
</tr>
</tbody>
</table>

HDMI CABLES & ADAPTERS

State-of-the-art connectivity for HDTV sets, DVD players/recorders.

<table>
<thead>
<tr>
<th>Length</th>
<th>CAT#</th>
<th>Price</th>
<th>10</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>3'</td>
<td>Special</td>
<td>HDM-3</td>
<td>$2.50</td>
<td></td>
</tr>
<tr>
<td>6'</td>
<td>CAT# HDM-6</td>
<td>$8.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10'</td>
<td>CAT# HDM-10</td>
<td>$10.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15'</td>
<td>CAT# HDM-15</td>
<td>$12.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30'</td>
<td>CAT# HDM-30</td>
<td>$24.95</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

HDMI FEMALE-FEMALE COUPLER
Join two HDMI cables. Female to female cord coupler.
CAT# AD-57 $6.95 each

HDMI MALE TO FEMALE RIGHT-ANGLE ADAPTER
For tight fits behind TVs & monitors.
CAT# AD-62 $4.50 each

RG6 COAX COMPRESSION TOOL KIT
Includes a crimping tool, a coax cable stripper and 20 compression F-connectors for RG6 coaxial cable. More info online.
CAT# CTK-6 $21.95 each

COAX CONNECTORS

F CONNECTORS & ADAPTERS

<table>
<thead>
<tr>
<th>CAT#</th>
<th>Price</th>
<th>10</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>F-56R</td>
<td>4 for $1.20</td>
<td>$26.00</td>
<td></td>
</tr>
<tr>
<td>FTO-56R</td>
<td>4 for $1.20</td>
<td>$26.00</td>
<td></td>
</tr>
</tbody>
</table>

BNC CABLES

50 OHM, RG-58 MALE-MALE

<table>
<thead>
<tr>
<th>Length</th>
<th>CAT#</th>
<th>Price</th>
<th>10</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 foot</td>
<td>CBL-27</td>
<td>3.00</td>
<td>2.75</td>
<td></td>
</tr>
<tr>
<td>6 foot</td>
<td>CBL-28</td>
<td>3.25</td>
<td>2.75</td>
<td>2.25</td>
</tr>
<tr>
<td>15 foot</td>
<td>CBL-29</td>
<td>4.25</td>
<td>4.00</td>
<td>3.75</td>
</tr>
<tr>
<td>25 foot</td>
<td>CBL-25</td>
<td>6.50</td>
<td>6.00</td>
<td>5.20</td>
</tr>
<tr>
<td>50 foot</td>
<td>CBL-45</td>
<td>8.65</td>
<td>8.30</td>
<td>7.50</td>
</tr>
</tbody>
</table>

75 OHM, RG-59 MALE-MALE

<table>
<thead>
<tr>
<th>Length</th>
<th>CAT#</th>
<th>Price</th>
<th>10</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 foot</td>
<td>CBL-30</td>
<td>3.25</td>
<td>2.75</td>
<td>2.25</td>
</tr>
<tr>
<td>15 foot</td>
<td>CBL-157</td>
<td>3.50</td>
<td>3.25</td>
<td>2.75</td>
</tr>
<tr>
<td>25 foot</td>
<td>CBL-35</td>
<td>5.50</td>
<td>5.00</td>
<td>4.25</td>
</tr>
</tbody>
</table>
I.D.C. D-SUB CONNECTOR
Insulation Displacement Connector
Press fit on flat ribbon cable.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>CAT#</th>
<th>Each</th>
<th>10</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 pin PLUG</td>
<td>IDC-9P</td>
<td>$2.25</td>
<td>$2.00</td>
<td>$1.65</td>
</tr>
<tr>
<td>9 pin SOCKET</td>
<td>IDC-9S</td>
<td>$2.25</td>
<td>$2.00</td>
<td>$1.65</td>
</tr>
<tr>
<td>15 pin SOCKET</td>
<td>IDC-15S</td>
<td>$2.00</td>
<td>$1.75</td>
<td>$1.55</td>
</tr>
</tbody>
</table>

Special - All plastic body
15 pin SOCKET    IDC-15SP | $1.25 | $1.10 | 95¢

IDC SOCKET CONNECTORS
Mates with double row posts on
0.100” centers. 0.100” x 0.100” for
0.050” pitch cables. Press mount
on standard flat ribbon cable.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>CAT#</th>
<th>1-9</th>
<th>10+</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 pin (2 X 5)</td>
<td>RCSC-10</td>
<td>.55</td>
<td>.35</td>
</tr>
<tr>
<td>14 pin (2 X 7)</td>
<td>RCSC-14</td>
<td>.65</td>
<td>.55</td>
</tr>
<tr>
<td>16 pin (2 X 8)</td>
<td>RCSC-16</td>
<td>.75</td>
<td>.65</td>
</tr>
<tr>
<td>20 pin (2 X 10)</td>
<td>RCSC-20</td>
<td>.75</td>
<td>.65</td>
</tr>
<tr>
<td>26 pin (2 X 13)</td>
<td>RCSC-26</td>
<td>.75</td>
<td>.65</td>
</tr>
<tr>
<td>50 pin (2 X 25)</td>
<td>RCSC-50</td>
<td>1.00</td>
<td>.90</td>
</tr>
</tbody>
</table>

3-POLE BULLET CONNECTOR SET
3.5mm gold-plated bullet connectors.
Polarized, tough plastic (Nylon) connectors that fit securely
together. Solder cups for up to AWG12 wire.
Includes sleeves to hide solder connections.
46 x 12 x 12mm.
CAT # CON-37 $3.25 set

WEATHER-RESISTANT CONNECTORS

SCREW-LOCK CONNECTORS
Male and female screw-together connectors in weather-tight
plastic housings with rubber O-ring seals.
VW-1 cables rated 80° w/ color-coded 18 AWG stranded conductors. Suitable for indoor or outdoor use.

2-CONDUCTOR – Male and female –
2.1mm coax connectors on
15” cables, stripped and tinned ends. Mates with WTC-482
extension cable.
CAT# WTC-152 $5.75 / pair

2- CONDUCTOR EXTENSION CABLE, 48”
CAT# WTC-482 $5.95 each

3-CONDUCTOR – Male and
female connectors on 15” cables, stripped and tinned ends. Mates with WTC-483 extension cable.
CAT# WTC-153 $6.25 / pair

3- CONDUCTOR EXTENSION CABLE, 48”
CAT# WTC-483 $6.40 each

BULLET CONNECTORS
Mating, weather-resistant polarized connectors.
12” red and black. Stranded wire leads.

<table>
<thead>
<tr>
<th>GAUGE</th>
<th>CAT#</th>
<th>EACH</th>
<th>10 FOR</th>
<th>100 FOR</th>
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<tr>
<td>10</td>
<td>CON-321</td>
<td>$3.00</td>
<td>$2.75</td>
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<td>CON-320</td>
<td>$1.85</td>
<td>$1.70</td>
<td>$1.25</td>
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</table>

WEATHERPACK IN-LINE CONNECTOR KITS
Pictured is 3-conductor kitWP3-(XX)

Delphi Weatherpack Connectors are environmentally sealed electrical connections designed
to withstand exposure to extreme temperatures and moisture. Terminals are tin plated and have
special core wings which allow crimp-only connections, eliminating the need for solder.
The connector and cavity seals are triple-ribbed and made of self-lubricating silicone. Cavity
plugs are available to fill unused cavities. Pin and sleeve-type terminals rated 0.5 - 16V @
20A. Designed for automotive, marine and heavy industrial use. See our website for refills
or individual connectors.

155 PIECE KIT
includes 2 each male and female connectors, 1, 2, 3, 4, 6-contact
with pins, seals, plugs, insertion tool and storage box.
CAT# CKT-155 $80.00 each

1104 PIECE KIT
includes the following male and female connectors, 10 1-contact,
8 2-contact, 6 3-contact, 4 4-contact,
3 5-contact, 4 6-contact with pins, seals plugs,
insertion tool & storage box.
CAT# CKT-1104 $180.00 each

CRIMP TOOL FOR WEATHERPACK CONNECTORS
Durable, hardened crimp
stations and steel parallel
jaws eliminate faulty
crimps on a wide range
of gauge wire terminations. These tools work
well with our Weatherpack kits.
CAT# CT-18 $29.00 each
PRECISION MULTI-TURN TRIMMERS

RECTANGULAR TRIMMER
0.75” X 0.19” high. 3/4 watt.
Comparable to Bourns 3006P, Beckman 89PR, Weston 830P, AB 94P.
Avail. values: 2K, 2.2K, 5K, 10K, 100K, 500K
CAT# RTP-XXX $1.25 each
XXX= value in ohms, ie RTP-2.2K

MULTI-TURN TRIMMERS
1/4W cermet trimmers.
6 x 7 x 4mm.
Triangle pc pin pattern.

Top Adjust     500 Ω  TPR-500 $1.25 each
Top Adjust     10K   TPR-10K $1.25 each
Side Adjust    1M    TPS-1M $1.25 each

MULTI-TURN TRIMMER POT
Precision 20-turn trim pot. 3/8” square, top-adjust. Leads in straight row on 0.10” centers.
Available values: 500, 50K, 1MEG
CAT# MTPS-XXX $1.25 each
XXX= value in ohms, ie MTPS-1MEG

1K OHM MULTI-TURN TRIMMER
Vishay T93YB 1K 10% multturn trimmer.
10 x 10 x 5mm. Triangle lead pattern, outer legs on 5mm centers.
CAT# MTP-1K $1.25 each

SINGLE TURN TRIMMERS

10K ALLEN BRADLEY TRIMMER
Allen Bradley Type E. 10K Ω, single-turn trimmer potentiometer. 10mm square.
PC leads in triangular pattern, 5mm centers w/ wiper lead in middle.
CAT# TRP-10K 2 for $1.00

1K VERTICAL ADJUST
Piher #PT10LV0 1K 20%.
10mm diameter cermet trimmer. Outer PC pins on 5mm centers.
CAT# TPR-1K 5 for $1.00 • 100 for 15¢ ea.

SINGLE TURN TRIMMER POTS
7mm square trimmer. Two leads are on 5mm centers. Middle (wiper) lead is 5mm from the center of the other leads.
Available values: 500, 5K, 10K, 20K, 100K, 150K, 500K
CAT# TPS-XXX (no mixing values)
XXX= value in ohms, ie TPS-10K
4 for $1.00 • 100 for 18¢ each

1 MEG Ω THUMBWHEEL TRIM POT
0.7” dia., old-style trim pot. PC leads on 0.4” centers. Center wiper terminal is on opposite side from the other leads.
CAT# TPT-1M 10 for $1.00
100 for 6.5¢ each • 500 for 4¢ each

SLIDE POTS

SLIDE POTS, 65MM TRAVEL
Slide potentiometers with mounting holes on 80mm centers.
Slide travel, 65mm. Single-element if not otherwise noted. “C-detent” indicates a center-detent.

<table>
<thead>
<tr>
<th>Res.</th>
<th>Taper</th>
<th>Desc</th>
<th>CAT#</th>
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<tr>
<td>2K</td>
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<td>SLP-2KA</td>
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<td>Linear</td>
<td>C-detent</td>
<td>SLP-20KS</td>
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<tr>
<td>50K</td>
<td>Linear</td>
<td>C-detent</td>
<td>SLP-50KS</td>
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<tr>
<td>100K</td>
<td>Audio</td>
<td>4-element</td>
<td>SLP-100K4A</td>
<td>$0.75</td>
</tr>
</tbody>
</table>

2 for $1.00 • 100 for 35¢ each

KNOBS

KNOBS FOR 1/4” SHAFT
Black aluminum instrument knob.
Serrated circumference. 0.50” diameter x 0.79” high.
White pointer line. Two set screws.
CAT# KNB-284 $2.00 each
10 for $1.85 each
33mm diameter x 12mm high off-white plastic knob for 1/4” flatted shaft. Metal insert.
CAT# KNB-239 50¢ each • 10 for 45¢ each

KNOBS FOR 1/8” SHAFT
Black plastic knob for 1/8” round shaft with raised face, serrated circumference and raised white pointer line down one side.
0.52” diameter x 0.60” high. Brass insert and set screw. Available with red (KNB-283R), green (KNB-283G), blue (KNB-283BL) or yellow (KNB-283Y) face.
CAT# KNB-283R, G, BL, Y $1.00 each

1/16” ALLEN WRENCH
Fits CAT# KNB-284 and other knobs with hex-head set screws.
CAT# AW-2 Reduced Price
2 for $1.00
4 for $1.00 • 100 for $15.00

VISIT OUR WEBSITE - WWW.ALLELECTRONICS.COM 71
**TOOLS**

**HEMOSTATS**
Hemostats are great for clamping onto small components while soldering or desoldering. Stainless steel.

**5" STRAIGHT TIP**
CAT# HM-1 $1.65 each

**5" CURVED TIP**
CAT# HM-2 $1.65 each

**CUT-N-STRIP TOOL**
Platinum Tools 10503. Self-adjusting wire stripper and flush cutter. Patented stripper self-adjusts to wire sizes 26-14 AWG. Catch, hold and strip wire in one quick motion.

CAT# WS-503 $13.50 each

**WIRE STRIPPER / CUTTER**
Stripper adjusts from 24 to 12 ga wire. Spring-loaded to open after each usage. Plastic grips.

CAT# WS-150 $4.00 each

**5" FLUSH CUTTER**
Trim leads on PC boards. Thin cutting edge for hard to reach areas. Insulated handle. Spring return.

CAT# FC-14 $5.25 each

**ECONOMY CRIMP TOOL**
For insulated and uninsulated solderless terminals, butt connectors and end caps. Also crimps D-sub and other connector pins.

CAT# CT-1 $8.75 each

**CUTTER & STRIPPER TOOL**
Impulse WS3. 22-10 AWG 5-in-1 precision cutter/stripper (wire stripper, wire cutter, crimper, plier ends, wire loop). Strips stranded and solid wire from 22-10 AWG. Lockable for safe handling and storage. Thick handled grip, made from hardened carbon steel with machined blade. 6.5" overall length.

CAT# WS-30 $6.95 each

**TWEEZERS, 6" LONG**
Aven 18.426. 6" long straight tweezer with pointed serrated tips. Stainless steel. Includes plastic storage pouch.

CAT# TW-9 $3.75 each

**drawer Liner, 22" X 10.5"**
22" x 10.5" x 0.06" thick textured black, soft-rubber foam pad. Easy to cut down to size to line your tool box. Perfect for protecting tools from scratches, rust and dents.

CAT# DL-2 75¢ each • 10 for 60¢ each

**MAGNETIC PARTS TRAY, 4" DIAMETER**
Keeps work area tidy and allows for easy access to metal parts. Great for working on cars and keeping hardware close. 2.5" diameter rubberized magnet is powerful enough to hold hardware in any position. Stainless steel finish.

CAT# MPT-2 $3.00 each

**LED ILLUMINATED JEWELER’S LOUPES**
Tear drop shaped and has crystal clear viewing lens. On-Off LED slide light switch. Great for inspecting jewelry, diamonds, mineral, plants, and insects for identification. This tool is also used in geology, biology, and the laboratory. Comes with three AG7 batteries and a battery key to open/close the battery compartment. Plastic storage container for protecting and transporting your loupe when not in use.

Magnification: 10x. Glass lens diameter: 21mm.
CAT # MGL-11 $6.95 each

Magnification: 10x. Glass lens diameter: 18mm.
CAT # MGL-12 $5.95 each

**JEWELER’S LOUPE, CHROME PLATED**
Chrome plated round metal body eye loupe with swing-away metal cover. Glass lens. Magnification: 10x. Lens diameter: 18mm. Includes a custom fitted plastic case. 1-1/4" x 7/8" x 3/4".

CAT # MGL-13 $2.95 each

**HOT-MELT GLUE GUN**
40W hot-melt glue gun. Ideal for occasional quick repairs & assembly. Uses standard 7/16" (11mm) diameter glue sticks, like our CAT#s HMG-5 and HMG-6 below. Includes two 4" long sticks. UL listed.

CAT# GN-1 $8.75 each

**10" LONG, 7/16" DIA. GLUE STICKS**

<table>
<thead>
<tr>
<th>Color</th>
<th>CAT#</th>
<th>EACH</th>
<th>10</th>
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</thead>
<tbody>
<tr>
<td>black</td>
<td>HMG-5</td>
<td>$1.00</td>
<td>85¢</td>
</tr>
<tr>
<td>translucent</td>
<td>HMG-6</td>
<td>$1.00</td>
<td>85¢</td>
</tr>
</tbody>
</table>

**60CC SYRINGE WITH THUMB RING**
Re-usable 60CC plastic syringe, 1.30" diameter x 4.85" long, plus 1.47" long tip. Graduated up to 60cc / 2 oz. Includes cap.

CAT# SYR-60 $1.85 each
SOLDERING IRONS AND ACCESSORIES

SOLDERING IRONS & STATIONS

VARIABLE TEMPERATURE
16-30 WATT SOLDERING IRON

Xytronic Model 258

Professional soldering iron with temperature control on handle. Temperature can be adjusted from 250-450°C (500-800°F). 16-30 Watts. LED hi/low temperature indicator. Includes long-lasting, chrome plated, iron-clad, pretinned tip (PL-404). 3-conductor grounded power cord. UL.

CAT# IR-258 $24.50 each

30 WATT SOLDERING IRON


CAT# IR-230 $18.50 each

SOLDERING TIPS FOR XYTRONIC IRONS ABOVE

1.6 MM PENCIL TIP CAT# PL-404 $8.00 ea.
5 MM CHISEL TIP CAT# PL-410 $8.00 ea.
0.8 MM PENCIL TIP CAT# PL-401 $8.00 ea.
3.2 MM CHISEL CAT# PL-405 $8.00 ea.

HOBBY SOLDERING IRONS

Pencil-style soldering iron ideal for students, craft and hobby repairs, occasional use.

30 Watt CAT# IR-330 $7.95 each
60 Watt CAT# IR-60 $8.95 each

12 VDC SOLDERING IRON

Nyleo# NL-001. 30W soldering iron. Great for a quick repair when AC power isn’t nearby. Equipped with a XT60 power plug used on many hobby battery packs.

CAT# IR-112 $11.95 each

60 WATT SOLDERING STATION

Xytronic LF-389D. 60 watt electronically temperature controlled soldering station. Can be easily adjusted in temperature (150°C - 480°C). Digital read out. Includes Soldering iron with pre-loaded standard tip, iron holder, power cord and manual.

CAT# IR-389 $79.95 each

Extra Tips for IR-389 solder station
CAT# PL-601 CONICAL 0.8mm $8.10 ea.
CAT# PL-602 SEMI-CHISEL, 0.8mm $8.10 ea.
CAT# PL-603 CONICAL, 0.4mm $8.10 ea.
CAT# PL-604 CHISEL, 1.6mm $8.10 ea.
CAT# PL-605 SEMI-CHISEL, 3.2mm $8.10 ea.

50W TEMPERATURE-CONTROLLED SOLDER STATION

Veileman # VTSSSU Adjustable solder station, 175-480°C. Protective iron holder with sponge. LED power indicator. Grounded power cord. 195 x 100 x 90mm. Includes CAT# PL-50 pointed tip. Other tips available. CE, RoHS.

CAT# IR-50 $29.95 each

Extra Tips for IR-50 solder station
CAT# PL-50 CONICAL TIP, 2MM (included w/ IR-50) $2.75 ea.
CAT# PL-51 CHISEL TIP, 3MM $3.00 each
CAT# PL-52 CHISEL TIP, 2MM $3.00 each
CAT# PL-53 CONICAL TIP, 1.5MM $3.00 each

ROsin-CORE SOLder

Sn63/Pb37 Water soluble, no-clean flux. Rosin Flux Core.

Roll Dia. CAT# Price
1 oz 0.5mm SMD-4 $5.85
2 oz 0.5mm SMD-5 $8.95
4 oz 0.8mm SOL-4637 $12.95
1/2 lb 0.8mm SOL-5637 $19.60
1 lb 0.6mm SOL-1637 $31.40
1 lb 1mm SOL-0637 $24.00
1 lb 3mm SOL-125 $25.00

Sn60/Pb40 Water soluble, no-clean flux

Roll Dia. CAT# Price
1/2 lb 1mm SOL-564 $16.65
1 lb 0.6mm SOL-644 $29.00

Tube Dispenser 7" 1mm diameter
CAT# TS-110 $2.35 each 10 for $2.15 each

LEAD-FREE SOLDER 1/2 LB ROLL

SN99.3/CU 0.7. 1mm. Rosin-core, no-clean flux, compatible with leaded and lead-free solder. Suitable for hand-soldering electronic components and terminals.

CAT# LFS-532 $26.60 each

SOLDERING ACCESSORIES

SOLDER STAND

Spring steel soldering iron holder. Includes replaceable pad for cleaning iron tip.

CAT# 50B-205 $5.00 each

SOLDER SUCKER

High performance cleaning tool which offers excellent suction for solder removal.

CAT# 50B-410 $6.00 each
**SOLDER SUCKER**

Extra-powerful desoldering pump with Teflon nozzle. Lightweight, large capacity spring-loaded cleaning tool offers excellent suction for solder removal.

*CAT# SSR-1* $4.50 each

**VACUUM PICK UP TOOL FOR SMD COMPONENTS**

For quick and easy pick up of light-weight components such as surface mount integrated circuits. Manually powered. The suction is created when button is pressed and released. 5.50” long x 0.50”. Includes hard shell plastic case for storage.

- Three vacuum Cup Rubbers: 3/8”, 1/4”, 3/32”
- Two vacuum tips, angled: 0.08” OD x 0.06” ID, 0.06” OD x 0.04” ID
- One vacuum tip, straight: 0.08” OD x 0.06” ID

*CAT# VPU-1* $5.80 each

**SOLDER SPONGES**

Yellow sponge for removal of solder residue. 2” x 1.4” x 0.07” thick. Soak before using.

*CAT # SPN-2* 2 for $1.00

**SOLDERING TIP CLEANER WITH METAL STAND**

An effective method for cleaning solder iron tips quickly, without heat loss. Weighted stainless steel holder with low-abrasive brass shavings. Rubber foot pad stays put on the work bench.

*CAT# TC-460* $9.00 each

Replacement tip cleaner element

*CAT# TC-459* $3.00 each

**DEOXIT® TIP TINNER**

For cleaning and protection of soldering iron tips. Prevents oxidation of tips. 14.2 grams.

*CAT# TPC-14* $8.95 each

**TECHSPRAY® DE-SOLDERING WICKS**

No-clean flux coated braid for easy removal of parts from PC boards. Top quality solder wick. Does not leave behind ionic flux residues. 5 feet per spool. Rohs compliant. Meets MIL-F-142560D. Techspray 1822-5F #3 Green. 0.075” wide.

*CAT# SWK-3* $3.50 each

25 for $3.00 each

**DE-SOLDERING WICK**

For easy removal of parts from P.C. boards. Top quality solder wick. 5” per spool. 1/16” wide.

*CAT# SWK* $2.25 per spool

**HELPING HAND with MAGNIFIER**

Allow both hands freedom to work. Magnifying lens makes work easy to see.

*CAT# HELPH-M* $7.50 each

**SOLDERING PASTE / FLUX**

Water soluble, no-clean flux paste. ROHS compliant. 50G (1.75oz).

*CAT# SP-44* $8.50 each

**CHIPQUICK® SMD SOLDER / DESOLDER SUPPLIES**

**TACK FLUX IN SIX 2CC SQUEEZE TUBES**

The same flux used in many of the other Chip Quik products. The squeeze tube has a neat applicator tip and a tight cap.

*CAT# SMD-3* $14.95 each

**63/37 SOLDER PASTE**

Solder paste, no clean, 63Sn/37Pb in 5cc syringe. 15g. With plunger and tip.

*CAT# SMD-6* $15.75 each

**SOLDER PASTE, LEAD-FREE, LOW-TEMP -- 5CC SYRINGE**

ChipQuik® SMDOPTLFP

Solder Paste Sn42/Bi58. No clean. Lead-free. Low temperature melting point. For lead and lead-free applications.

*CAT# SMD-7* $17.50 each

**FLUX PENS, 10ML**

Ideal for all rework, solder and desolder applications. For Leaded and Lead-Free applications. 10ml pens with tip. Flux Type: No-Clean Liquid FluxChipQuik® CQ4LF. Flux Classification: INM0. VOC free.

*CAT# LFP-4* $7.95 each

**63/37 SOLDER PASTE, 50G JAR**

ChipQuik® SMD291AX50T3

Alloy: Sn63/Pb37. Flux Type: Synthetic No-Clean. Flux Classification: REL0. Metal Content: 90.25% metal by weight. Particle Size: T3 (25-45 microns). Melting Point: 183C (361F)

*CAT# SMD-291* $19.50 each