Voice / Data
Communication
Components & Accessories

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PATCH PANELS

CAT 6, 110 / KRN HYBRID

- Standard Spacing for Mounting on 19" EIA Standard Racks.
- 110 Shell, Krone Contact Hybrid Terminals
- Gold plated Modular Jack Contacts.
- Wiring: Color Coded for Both 568A & 568B Codes.
- Port Label with Plastic Covers

<table>
<thead>
<tr>
<th>Model</th>
<th>Ports</th>
<th>110 Style</th>
<th>24 Ports, 1U</th>
<th>32 Ports, 2U</th>
<th>48 Ports, 2U</th>
</tr>
</thead>
<tbody>
<tr>
<td>1K0-PP6-168</td>
<td>16</td>
<td>16</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1K0-PP6-248</td>
<td>24</td>
<td>24</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1K0-PP6-328</td>
<td>32</td>
<td>32</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1K0-PP6-488</td>
<td>48</td>
<td>48</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Back View with Port Number and Color Code Label

CAT 6, 110 TERMINATION

- Standard Spacing for Mounting on 19" EIA Standard Racks.
- 110 Terminals
- Gold plated Modular Jack Contacts.
- Wiring: Color Coded for Both 568A & 568B Codes.

<table>
<thead>
<tr>
<th>Model</th>
<th>Ports</th>
<th>1U Style</th>
<th>12 Ports, 1U</th>
<th>24 Ports, 1U</th>
<th>48 Ports, 2U</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-PP6-128</td>
<td>12</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110-PP6-248</td>
<td>24</td>
<td>24</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110-PP6-488</td>
<td>48</td>
<td>48</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Back View with Port Number and Color Code Label

VERTICAL CAT 6, 110 / KRN

- Mounts on Standard Vertical 89 Style Bracket.
- Gold Plated Modular Jack Contacts.
- Including Clear Caps & Nylon Wire Guide
- Wiring: Color Coded for Both 568A & 568B Codes.

<table>
<thead>
<tr>
<th>Model</th>
<th>Ports</th>
</tr>
</thead>
<tbody>
<tr>
<td>1K0-PP6-128-89</td>
<td>12</td>
</tr>
</tbody>
</table>

Back View with Port Number and Color Code Label

VERTICAL CAT 5 ENHANCED, 110 TERMINATION

- Mounts on Standard Vertical 89 Style Bracket.
- Gold Plated Modular Jack Contacts.
- Including Clear Caps & Nylon Wire Guide
- Wiring: Color Coded for Both 568A & 568B Codes.

<table>
<thead>
<tr>
<th>Model</th>
<th>Ports</th>
<th>Bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-PP5E-068-89</td>
<td>6 Ports</td>
<td>Included</td>
</tr>
<tr>
<td>110-PP5E-088-89</td>
<td>8 Ports</td>
<td>Included</td>
</tr>
<tr>
<td>110-PP5E-128-89</td>
<td>12 Ports</td>
<td>Not Included</td>
</tr>
</tbody>
</table>
**CAT 5 ENHANCED, 110 TERMINATION**

- Standard Spacing for Mounting on 19” EIA Standard Racks.
- Gold plated Modular Jack Contacts.
- Wiring: Color Coded for Both 568A & 568B Codes.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Ports</th>
<th>Height</th>
<th>Mounting Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-PP5E-128</td>
<td>RJ45 12 Ports 1U</td>
<td>12</td>
<td>1U</td>
<td></td>
</tr>
<tr>
<td>110-PP5E-168</td>
<td>RJ45 16 Ports 1U</td>
<td>16</td>
<td>1U</td>
<td></td>
</tr>
<tr>
<td>110-PP5E-248</td>
<td>RJ45 24 Ports 1U</td>
<td>24</td>
<td>1U</td>
<td></td>
</tr>
<tr>
<td>110-PP5E-328</td>
<td>RJ45 32 Ports 2U</td>
<td>32</td>
<td>2U</td>
<td></td>
</tr>
<tr>
<td>110-PP5E-488</td>
<td>RJ45 48 Ports 2U</td>
<td>48</td>
<td>2U</td>
<td></td>
</tr>
<tr>
<td>110-PP5E-968</td>
<td>RJ45 96 Ports 4U</td>
<td>96</td>
<td>4U</td>
<td></td>
</tr>
</tbody>
</table>

**CAT 5 ENHANCED, 110 TERMINATION “L” TYPE**

- Standard Spacing for Mounting on 19” EIA Standard Racks.
- Gold plated Modular Jack Contacts.
- Wiring: Color Coded for Both 568A & 568B Codes

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Ports</th>
<th>Height</th>
<th>Mounting Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-PP5E-248L</td>
<td>RJ45 24 Ports 1U</td>
<td>24</td>
<td>1U</td>
<td></td>
</tr>
<tr>
<td>110-PP5E-488L</td>
<td>RJ45 48 Ports 2U</td>
<td>48</td>
<td>2U</td>
<td></td>
</tr>
</tbody>
</table>

**CAT 4, 110 TERMINATION**

- All Patch Panels Will Mount on 19” Standard EIA Racks.
- Gold plated Modular Jack Contacts.
- 110 Termination.
- Standard Wiring : USOC Wiring on RJ-25(6p6c)

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Ports</th>
<th>Height</th>
<th>Mounting Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-PP-1666U</td>
<td>16 Ports, 1U</td>
<td>16</td>
<td>1U</td>
<td></td>
</tr>
<tr>
<td>110-PP-2466U</td>
<td>24 Ports, 1U</td>
<td>24</td>
<td>1U</td>
<td></td>
</tr>
<tr>
<td>110-PP-3266U</td>
<td>32 Ports, 2U</td>
<td>32</td>
<td>2U</td>
<td></td>
</tr>
<tr>
<td>110-PP-4866U</td>
<td>48 Ports, 2U</td>
<td>48</td>
<td>2U</td>
<td></td>
</tr>
<tr>
<td>110-PP-9666U</td>
<td>96 Ports, 4U</td>
<td>96</td>
<td>4U</td>
<td></td>
</tr>
</tbody>
</table>

**CAT 3, TELCO CONNECTION**

- All Patch Panels Will Mount on 19” Standard EIA Racks.
- Gold plated Modular Jack Contacts.
- Telco 50 pin Male or Female Connector with Gold plated Contacts.
- Contacts Are Soldered and Insulated by Heat Shrink Tubes.
- Standard Wiring : USOC, AT&T (EIA/TIA 568B)
- Special Wiring Available, Please Call.
- Custom, NC/NR.

**Ordering Information:**

| DC-PP-(XX)P-(JJ)-(W) |
|----------------------|-------------------|
| Ports (XX):          | Jacks (JJ):       |
| 24, 32, 48, 64, 96   | 4C RJ11 6C RJ25 8C RJ45 |

**While Supplies Last!!!**
Cables used meets ISO/IEC 11801. EIA/TIA 568-B.2-1 Cat 6 Standard verified. All RJ-45 plugs used are UL listed with 50µ” gold plated contacts. 568B Wiring Unless Specified.

MOLDED STRAIN RELIEF CORDS

- CAT 6 performance specification to 250MHz. Tested to 500MHz.
- 4 Pair 24 AWG Stranded, polyolefin insulation, twisted pairs, no rip-cord, PVC jacket.
- Molded strain relief to ensure the best performance.
- Custom color and length available upon request.
- 1,000ft/ Roll Bulk Wire also available

DC-568P-(LL) (CC) M

Available Colors (CC) BG, BK, BL, GN, GR, OR, RD, YW, WH.

Available Footage (LL) 3, 5, 7, 10, 15, 20, 25, 50, 100.

MOLDED BOOT SNAGLESS CORDS

- CAT 6 performance specification to 250MHz. Tested to 500MHz.
- 4 Pair 24 AWG Stranded, polyolefin insulation, twisted pairs, no rip-cord, PVC jacket.
- Molded strain relief to ensure the best performance.
- Custom color and length available upon request.
- 1,000ft/ Roll Bulk Wire also available
- Short Body Staggered Plugs

DC-568P-(LL) (CC) MB

Available Colors (CC) BG, BK, BL, GN, GR, OR, RD, YW, WH.

Available Footage (LL) 3, 5, 7, 10, 15, 20, 25, 50, 100.

HUB CORDS (Cross Connect Hub to Hub)

Blue (BL) or Red (RD) cable with Yellow (YW) color molded strain relief to clearly identify and differentiate from regular type molded patch cords. Label marked “cross” on each side of ends. Custom color cable and color coding of strain relief available. Please call for lead time and quantity requirement.

DC-568P-(LL) BL H

Blue with Yellow Molded Strain Relief
Available Footage (LL): 1, 2, 3, 4, 5, 7, 10, 15, 25, 50, 75, 100.

DC-568P-(LL) RD H

Red with Yellow Molded Strain Relief
Cables used meets ISO/IEC 11801, EIA/TIA 568-B.2 Cat 5e Standard verified. All RJ-45 plugs used are UL listed with 50µ” gold plated contacts. 568B Wiring Unless Specified.

QUALITY PLAIN TERMINATED CORDS

• With Generic RJ-45 50µ” Gold Plugs
DC-5E8Q-(LL) (CC)
Available Footage (LL)
1, 2, 3, 4, 5, 6, 7, 10, 12, 15, 20, 25, 50, 100.
Available Colors (CC)
BG, BK, BL, GN, GR, OR, PK, RD, VL, YW, WH.

PREMIUM PLAIN TERMINATED CORDS

DC-5E8P-(LL) (CC)
Available Footage (LL)
2, 3, 4, 5, 6, 7, 10, 15, 20, 25, 50, 100
Available Colors (CC)
BG, BK, BL, GN, GR, OR, PK, RD, VL, YW, WH.
Additional length: 12’ in BL & GR;
0.5(6”) in BG, BL, GR, YW & WH;
1’, 1.5” in BG, BL, GR, RD & YW.

QUALITY SNAGLESS BOOT CORDS

• With Generic Short Body RJ-45 50µ” Gold Plugs
• Low Crosstalk Plug Body Design
DC-5E8Q-(LL) (CC) MB
Available Footage (LL)
2, 3, 4, 5, 6, 7, 10, 12, 15, 20, 25, 50, 75, 100
Available Colors (CC)
BG, BK, BL, GN, GR, OR, PK, RD, TC, VL, TL, YW, WH.

PREMIUM SNAGLESS BOOT CORDS

• Molded with Boot
• 568A Wiring
DC-5E8P-(LL) (CC) MB
Available Footage (LL)
3, 5, 7, 10, 15, 25
Available Colors (CC)
BG, BK, BL, GN, GR, RD, YW, WH.

<table>
<thead>
<tr>
<th>Color Abbreviation Chart</th>
<th>(CC) Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beige (BG)</td>
<td></td>
</tr>
<tr>
<td>Black (BK)</td>
<td></td>
</tr>
<tr>
<td>Blue (BL)</td>
<td></td>
</tr>
<tr>
<td>Green (GN)</td>
<td></td>
</tr>
<tr>
<td>Gray (GR)</td>
<td></td>
</tr>
<tr>
<td>Ivory (IV)</td>
<td></td>
</tr>
<tr>
<td>Lime Green (LG)</td>
<td></td>
</tr>
<tr>
<td>Orange (OR)</td>
<td></td>
</tr>
<tr>
<td>Powder Blue (PB)</td>
<td></td>
</tr>
<tr>
<td>Pink (PK)</td>
<td></td>
</tr>
<tr>
<td>Red (RD)</td>
<td></td>
</tr>
<tr>
<td>Translucent Clear (TC)</td>
<td></td>
</tr>
<tr>
<td>Teal (TL)</td>
<td></td>
</tr>
<tr>
<td>Violet (VL)</td>
<td></td>
</tr>
<tr>
<td>Yellow (YW)</td>
<td></td>
</tr>
<tr>
<td>White (WH)</td>
<td></td>
</tr>
</tbody>
</table>
Enhanced Cables used meets ISO/IEC 11801, EIA/TIA 568-B.2 Cat 5e Standard verified. All RJ-45 plugs used are UL listed with 50µ” gold plated contacts. 568B wiring unless specified.

**MOLDED STRAIN RELIEF CORD**

**DC-5E8P-(LL) (CC) M**
- Available Footage (LL) 3, 5, 7, 10, 15, 25.
- Available Colors (CC) BG, BK, BL, GN, GR, RD, YW, WH.

**DC-558P-(LL) (CC) M**
- Available Footage (LL) 3, 5, 7, 10, 15, 25.
- Available Colors (CC) BG, BK, GN, RD, YW, WH.

**QUALITY SNAGLESS BOOT CORDS**

- With Generic Short Body RJ-45 Plugs
- Low Crosstalk Plug Body Design
- 50µ” Gold Plated RJ45 Plugs

**DC-558Q-02’ OR MB**
**DC-558Q-04’ GR MB**
**DC-558Q-06’ BG MB**
**DC-558Q-06’ OR MB**
**DC-558Q-12’ BG MB**
**DC-558Q-12’ GN MB**
**DC-558Q-12’ RD MB**
**DC-558Q-12’ YW MB**
**DC-558Q-20’ BG MB**

**PREMIUM SNAGLESS BOOT CORDS**

- Molded with Boot
- 50µ” Gold Plated RJ45 Plugs
- Upgrade Option Available

**DC-558P-02’ BL MB**
**DC-558P-(LL) (CC) MB**
- Available Footage (LL)
  - 3, 5, 7, 10, 15, 25, 50, 100
- Available Colors (CC)
  - BG, BK, BL, GN, RD, YW, WH.
SHIELDED PATCH CORD

• Fully Shielded RJ-45 Plug
• Molded with Snagless Boot

All cables are made to ISO standard (European Shielded Standard). Stranded with 26 AWG twisted pair conductors. 26 AWG twisted pair conductors. Verified to EIA/TIA 568A TSB-40A category 5.

DCS-5E8P-(LL) GR MB
Available in Gray (GR) Color
Available Footage (LL)
1, 2, 3, 4, 5, 6, 7, 10, 15, 20, 25, 50, 100.

SHIELDED (FTP) CAT 5E CABLE

Stranded
DCS-5E8-(CC)1000
CC: BK, BL, GN, GR, OR, RD, VL, WH, YW.

Solid
DCS-5E8-(CC)1000L
CC: BL, GR, YW.

110 TYPE PATCH PLUG CAT 5 PATCH CORD

• Stranded 4 Pair Cable
PPS-110P15-(LL)-(CC) 1pr. 110/RJ45 Patch Cord
PPS-110P1D-(LL)-(CC) 1pr. 110 Dual End Patch Cord
PPS-110P2S-(LL)-(CC) 2pr. 110/RJ45 Patch Cord
PPS-110P2D-(LL)-(CC) 2pr. 110 Dual End Patch Cord
PPS-110P3S-(LL)-(CC) 3pr. 110/RJ45 Patch Cord
PPS-110P3D-(LL)-(CC) 3pr. 110 Dual End Patch Cord
PPS-110P4S-(LL)-(CC) 4pr. 110/RJ45 Patch Cord
PPS-110P4D-(LL)-(CC) 4pr. 110 Dual End Patch Cord

FLAT CORDS

• Color Coded 26 AWG Conductors
• Silver Satin Jacket
• Straight Thru Wiring
DC-504S-(LL)SV LL=3’, 7’, 14’, 25’
DC-506S-(LL)SV LL=3’, 7’, 14’, 25’
DC-508S-(LL)SV LL=2’, 3’, 7’, 14’, 25’

LEVEL 3

• Straight Thru, Silver Satin
• For RJ-11 or RJ-45
• 26 AWG Wires, Stranded Conductors
• Straight Thru Wiring
DC-502P-7’S
DC-504P-(LL)SV LL=3’, 7’, 14’, 25’
DC-506P-(LL)SV LL=3’, 7’, 14’, 25’
DC-508P-(LL)SV LL=2’, 3’, 7’, 14’, 25’

LEVEL 4

• Straight Thru, UTP Cable
• Gray Jacket Color
• Gold Plated Contacts
• 24 AWG Stranded Conductors
• UL Listed, Level 4
DC-546P-(LL) GR 6p6c Plugs
DC-548P-(LL) GR 8p8c Plugs

Available Footage (LL) Custom Lengths Upon Request
Available Colors (CC) See Color Chart Below

Recommended Modular Plug for Shielded Cable:
PTS-03E88RG-50UL

FOR MORE INFO ON BULK CABLE SEE PG 18

FOR MORE INFO ON PLUGS SEE PG 23
FIBER OPTICS CORDS & ASSEMBLIES

- Fiber Used Manufactured by: Corning / Siecor
- Duplex, Zip Cords, Multi-mode 50/125, 62.5/125, Single Mode 10/125
- Durable Ceramic Tip Connectors; Duplex Unless Otherwise Stated
- Each Cord is Individually Packaged with Attenuation and Return Loss Measurements
- Custom Cable Length Available

**FIBER USED MANUFACTURED BY:**
- Corning / Siecor
- Multiple Breakout
- Multiple Fiber, Raiser Jacket and Plenum Jacket Fiber Also Available
- Please Call for Quotes
- Bulk Fiber Also Available
- Custom Cable Length Available. Please Call/ Fax/ e-mail

**CUSTOM CABLES**

**ENDS OPTIONS**
- LC
- FC
- MTP
- MTP to 12 SC
- Other Ends Also Available, Please Specify.

**PATCH CORDS**

**ST TO ST**
- FOP-ST2D-MM-(LL)
- FOP-ST2D-MM5-(LL)
- FOP-ST2D-SM-(LL)

- Standard Stock Length
- Length in meter (LL): 0.5, 1–10, 15, 20, 25.
- MM5 (LL): 1, 2, 3, 5, 10, 20.
- Custom Cable Length Available

**ST TO SC**
- FOP-STSCD-MM-(LL)
- FOP-STSCD-MM5-(LL)
- FOP-STSCD-SM-(LL)

- Standard Stock Length
- Length in meter (LL): 0.5, 1–10, 15, 20, 25.
- MM5 (LL): 1, 2, 3, 5, 10, 20.
- Custom Cable Length Available

**SC TO SC**
- FOP-SC2D-MM-(LL)
- FOP-SC2D-MM5-(LL)
- FOP-SC2D-SM-(LL)

- Standard Stock Length
- Length in meter (LL): 0.5, 1–10, 15, 20, 25.
- MM5 (LL): 1, 2, 3, 5, 10, 20.
- Custom Cable Length Available

**MTRJ**
- FOP-MT2-MM-(LL)
- FOP-MTSC-MM-(LL)
- FOP-MTST-MM-(LL)

- Standard Stock Length
- LL= Length (Meter): 1, 2, 3, 5, 10, 20.
- Custom Cable Length Available

**LC**
- FOP-LC2D-MM-(LL)
- FOP-LCSC-MM-(LL)
- FOP-LCST-MM-(LL)

- Standard Stock Length
- Length in meter (LL): 1, 2, 3, 5, 10, 20.
- Custom Cable Length Available

**ORDERING INFORMATION:**

- FOP-(TT)-(XX)-(LL)

**Termination Type:**
- ST2D= ST to ST
- SC2D= SC to SC
- STSCD= ST to SC
- MT2= MTRJ to MTRJ
- MTSC= MTRJ to SC
- MTST= MTRJ to ST
- LC2D= LC to LC
- LCSC= LC to SC
- LCST= LC to ST

**XX= Cord Mode:**
- SM= Single Mode, Yellow Cord
- Attenuation= 0.5dB MAX.
- Return Loss= 40dB MIN.
- MM= 62.5/125 Multi-Mode, Orange Cord
- Attenuation= 0.75dB MAX.
- MM5= 50/125 Multi-Mode

**Length**
- Custom Cable Length Available
DIGITAL AUDIO FIBER
• Connects meets EIAJ proposed standard RC5720
• Simplex
• APF (970/100µm)
• Black or White(WH)

FIBER ADAPTORS
• Beryllium Copper Inner Sleeves for MM Adaptor
• Ceramic Inner Sleeves for SM Adaptor

FOC-SC-MM-GR

FOC-ST-MM
FOC-ST-MM-BK
FOC-ST-MM-GR
FOC-ST-MM-SET

(1 Gray and 1 Black Boot)

FOA-ST-MM
FOA-ST-SM
FOA-SC-MM
FOA-SC-SM
FOA-FC

FOA-STSC-MM
FOA-STSC-SM

ST/ST Multi Mode
ST/ST Single Mode
SC/SC Multi Mode
SC/SC Single Mode
FC/FC
ST/SC Multi Mode
ST/SC Single Mode

FIBER CONNECTORS
• All Ceramic Tips

FOC-SC-MM
FOC-SC-MM
FOC-SC-MM
FOC-ST-MM
FOC-ST-MM
FOC-ST-MM
FOC-ST-MM
FOC-ST-MM
FOC-ST-MM
FOC-ST-MM

ST Type MultiMode
SC Type SingleMode
SC Type SingleMode
SC Type MultiMode
SC Type SingleMode
ST Type MultiMode Black Boot
ST Type MultiMode Gray Boot
ST Type MultiMode Set of 2
(1 Gray and 1 Black Boot)

FIBER OPTICS & TELCO BREAKOUTS

FOA-FC

SC Type MultiMode
SC Type SingleMode
ST Type MultiMode Black Boot
ST Type MultiMode Gray Boot
ST Type MultiMode Set of 2
(1 Gray and 1 Black Boot)

See Page 27 for Optical to Electronic Converter & Other Optical Active Devices

CLUSTER PANELS
• USOC Wiring
• Gold Plated Telco Contacts
• Gold Plated Modular Jack Contacts
• Durable, EMI Shielded Metal Casing

DC-CPB-6C

Single Telco
DC-CPA-6CF RJ11, 6C, 8 Ports, Female Telco
DC-CPA-6CM RJ11, 6C, 8 Ports, Male Telco
DC-CPA-8CF RJ45, 8C, 6 Ports, Female Telco
DC-CPA-8CM RJ45, 8C, 6 Ports, Male Telco

Dual Telco
DC-CPB-4C RJ11, 4C, 12 Ports, Dual Telco
DC-CPB-6C RJ11, 6C, 8 Ports, Dual Telco
DC-CPB-8C RJ45, 8C, 6 Ports, Dual Telco

HARMONICA JACKS
• Gold Plated Telco & Modular Jack Contacts
• USOC, AT&T and 10Base T Wiring
• Copy of Wiring Code Included
• Include Velcro Strap, Double Sided Sticker and Screws for Mounting on Wooden Back Panel.
• Male or Female Telco - Both Available

Bracket with Velcro Available

See Wiring Table on Page 122

© 2006 Pan Pacific Enterprise Co., Inc. To Order: www.cablesandconnectors.com • Phone: 1860-665-9904 Fax: 1860-665-9993
**TELCO CABLES**

- Lucent Certified Assembly
- Lucent CAT 5 Telco Connector
- Lucent 25 Pair CAT 5 Cable
- 120 Degree Termination Standard; 90 & 180 Degree Termination Available
- **Male End:** Unless Specified, 120° Termination is Assumed
- **Female End:** 90° Termination is Assumed
- Custom Cable Assembly, NC/NR
- Please Call/ fax/ e-mail for Quotes.

**POWER SUM 350**

- Male/Male (DE) or Male Single End (SE)
- Female/Female (DE) or Female Single End (SE)
- Male/Female

**CAT 5 CABLE (None Power Sum)**

- Level 5; 25 Pair Cable
- 50 Pin AMP Telco Connector Gold Plated Contacts
- Color Coded to ICEA Standard
- Dual Ended Cable Wired Straight Thru
- Custom Cable Assembly, NC / NR
- Please Call/ fax/ e-mail for Quotes.

**LEVEL 3**

- Level 3; 25 Pair Cable
- 50 Pin AMP Telco Connector Gold Plated Contacts
- Color Coded to ICEA Standard
- Dual Ended Cable Wired Straight Thru
- Custom Lengths Available.
- Please Call/ fax/ e-mail for Quotes.

---

**For Male & Female Connectors See Pg 118 Custom Lengths Available Upon Request**
WIRE MANAGEMENT PANEL

- Mounting Punchouts for Both Vertical & Horizontal Positions
- Partitioned Loops for Separation of Wires
- Custom Color Loops Available Call/ fax/ e-mail

WMP-1U-BK  Wire Management Panel, Black, 5 Loops
WMP-MLP-BK  Extra Management Loops for Panel, Black

WALL MOUNT HINGED BRACKETS FOR 19” PANELS

- Side Opening with Robber Caps.
- Depth: 3.90”

WMP-BRK-1.75  1U
WMP-BRK-3.50  2U
WMP-BRK-5.25  3U
WMP-BRK-7.0   4U
WMP-BRK-8.75  5U

DC-PPWG  Wire Guide
WMP-SCR  Black Mounting Screws for Panel Only

19” RACK MOUNT PANELS

FOR KEYSTONE CONNECTORS

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRP-M-12/1U</td>
<td>12 Port, Voice Connector, 1.75” X 19”(1U)</td>
</tr>
<tr>
<td>WRP-M-12</td>
<td>12 Port, Voice Connector, 3.5” X 19”(1U)</td>
</tr>
<tr>
<td>WRP-M-16/1U</td>
<td>16 Port, Voice Connector, 1.75” X 19”(2U)</td>
</tr>
<tr>
<td>WRP-M-16</td>
<td>16 Port, Voice Connector, 3.5” X 19”(1U)</td>
</tr>
<tr>
<td>WRP-M-24</td>
<td>24 Port, Voice Connector, 3.5” X 19”(2U)</td>
</tr>
<tr>
<td>WRP-M-32</td>
<td>32 Port, Voice Connector, 3.5” X 19”(2U)</td>
</tr>
<tr>
<td>WRP-M-48/3U</td>
<td>48 Port, Voice Connector, 5.25” X 19”(3U)</td>
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</tbody>
</table>

FOR K SERIES KEYSTONES

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRP-KM-12/1U</td>
<td>12 Ports, (1U)</td>
</tr>
<tr>
<td>WRP-KM-16/1U</td>
<td>16 Ports, (1U)</td>
</tr>
<tr>
<td>WRP-KM-24</td>
<td>24 Ports, (2U)</td>
</tr>
<tr>
<td>WRP-KM-32</td>
<td>32 Ports, (2U)</td>
</tr>
</tbody>
</table>

VERTICAL PANEL FOR K SERIES

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRP-KM66M-12</td>
<td>12 Port Keystone 66 type plate with 89 Type Bracket</td>
</tr>
</tbody>
</table>

BLANK PLATE

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>WRP-19/1.75</td>
<td>Blank Plate, 1.75 X 19” (1U)</td>
</tr>
<tr>
<td>WRP-19/3.5</td>
<td>Blank Plate, 3.5 X 19” (2U)</td>
</tr>
</tbody>
</table>

FOR DATA CONNECTOR

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRP-IBM-12</td>
<td>12 Port, Data Connector, 3.5” X 19”(2U)</td>
</tr>
<tr>
<td>WRP-IBM-12/1U</td>
<td>12 Port, Data Connector, 1.75” X 19”(1U)</td>
</tr>
<tr>
<td>WRP-IBM-16/3U</td>
<td>12 Port, Data Connector, 5.25” X 19”(3U)</td>
</tr>
</tbody>
</table>

FOR DATA CONNECTOR & KEYSTONE

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRP-IBM/M-12</td>
<td>12 Port Set, Data &amp; Voice, 3.5” X 19” (2U)</td>
</tr>
</tbody>
</table>

See Page 34 for Other Types of Panels
UNIVERSAL KEYSTONE (K SERIES) WALL PLATES

- Will Now Accept Most Keystones
- Single Gang Plates
- Up to Six Rectangular Openings for Keystone Type Inserts
- UL Listed, Pre-Packaged in Header Bags
- Clear Lable Covers for Screw Holes
- Available Colors (CC): Ivory (IV), White (WH)

WPP-K(X)-(CC)
Port Options (X): 1, 2, 3, 4, 6

Each Plate Packaged with:
Wall Plate (1pc), Red Icons (4pcs), Blue Icons (4pcs), Blank Icons (2pcs), Blank Block (1pc), Clear Label Covers (2pcs), Screws (2pcs).

Extra Parts
WPP-K-SCREW Screw for Wall Plate
WPP-KB-IV Blank Insert
WPP-KB-WH Blank Insert
WPP-K-CLC Clear Insert

ICONS FOR K SERIES PLATES
- Available Colors (CC): Blue (BL), Red (RD)
- Custom Colors Available. Minimum Quantity Required

TEXT ICONS
- WPP-KI-C5-(CC) CAT 5
- WPP-KI-C5E-(CC) CAT 5e
- WPP-KI-C6-(CC) CAT 6
- WPP-KI-DS-(CC) DSS
- WPP-KI-DT-(CC) DATA
- WPP-KI-FX-(CC) FAX
- WPP-KI-LN-(CC) LAN
- WPP-KI-TV-(CC) TV
- WPP-KI-VC-(CC) VOICE

GRAPHIC ICONS
- WPP-KI-GDT-(CC) DATA
- WPP-KI-GFX-(CC) FAX
- WPP-KI-GSL-(CC) LEFT SPEAKER
- WPP-KI-GSR-(CC) RIGHT SPEAKER
- WPP-KI-TV-(CC) VOICE
- WPP-KI-VC-(CC) BLANK

• Single Gang Plates
• Up to six rectangular openings for keystone type inserts
• UL Listed
• Available Colors: Ivory (IV), White (WH)

WPP-1-IV WPP-1-WH
WPP-2-IV WPP-2-WH
WPP-3-IV WPP-3-WH
WPP-4-IV WPP-4-WH
WPP-6-IV WPP-6-WH

WPP-K-SCREW Screw for Wall Plates

Stainless Steel Wall Plate See pg. 33
CAT 6 KEYSTONE JACKS

- 110 Termination, with 2 Pair Clear Caps
- 50µ" Gold Plated Jack Contacts
- Terminal with both 568A & B Color Code
- Fits Both K Series & Original Wall Plates
- Terminate 22 - 26 AWG Solid Wire

90° Termination

DC-VC6-8-BK-R
DC-VC6-8-BL-R
DC-VC6-8-IV-R
DC-VC6-8-WH-R

Shielded

DCS-VC6-8-BK-R

- 110 /KRN Hybrid Termination, with 2 Pair Clear Caps
- Fits K Series Wall Plates

180° Termination

DC-VC6-K8-BK
DC-VC6-K8-BL
DC-VC6-K8-IV
DC-VC6-K8-WH

MINI RIGHT ANGLE TERMINATION

DC-VC6-8-(CC)-N
Available Colors (CC): BK, BL, IV, WH.

KEYSTONE FEED THRU

CAT 6 RJ-45 8P8C

DC-1021-8-BK-6
DC-1021-8-IV-6
DC-1021-8-WH-6

SURFACE MOUNT BLOCK

- 110 Termination, w/ 2 Pair Clear Caps
- 50µ" Gold Plated Jack Contacts
- Both 568A & B Color Coded Terminal
- Terminate 22 - 26 AWG Solid Wire
- Keystones Included

Single Port

Single Port

Dual Port

Dual Port

Accessories Included:
- Wood Screws
- Blue and Red Icons
- Clear Terminal Caps
- Nylon Wire Ties
- Clear Plastic Label and Paper Inserts
- Double Sided Sticker

MODULAR INLINE COUPLERS

CAT 6 RJ-45 8P8C

DC-102-8CD-6

Shielded

DCS-102-8CD-6

Available Colors (CC): BK, BL, IV, WH.
DATA OUTLET: KEYSTONE JACKS

MINI RIGHT ANGLE TERMINATION
DC-VC5-8-(CC)-N
Available Colors (CC): BK, BL, IV, WH.

TOOL LESS JACKS
DC-VC5-8-(CC)TL
• IDC Termination
• Clear See Thru Caps with Color Code Strip
• Category 5 Enhanced or CAT 6
• Fits Both K Series & Original Wall Plates
CC: BK, BL, DG, GN, IV, OR, RD, WH, YW.
DG= Dark Green

LEVEL 4
DC-VC4-6-(CC)TL
• RJ-25 (6p6c), USOC Coded
CC: BK, IV, WH.

DC-VC5-8-TL

K SERIES 180 TERMINATION JACKS
• 110 Termination, w/ 2 Pair Clear Caps
• 50µ" Gold Plated Jack Contacts
• Category 5 Enhanced
• Both 568A & B Color Coded Terminal
• Terminate 22 - 26 AWG Solid Wire

LEVEL 5E
DC-VC5-K8-(CC) R
• RJ-45, 568A & B Coded
CC: BK, BL, GN, IV, OR, RD, WH, YW.

LEVEL 4
DC-VC4-K6-(CC) R
• RJ-25 (6p6c), USOC Coded
CC: BK, IV, WH.

RIGHT ANGLE TERMINATION
DC-VC5-8-(CC)-N
Available Colors (CC): BK, BL, IV, OR, RD, WH, YW.

CAT 5
DC-VC5-8A-(CC)R
Available Colors (CC): IV, OR.

DC-VC5-8T-(CC)R
Available Colors (CC): BK, GN, IV, OR, RD, WH, YW.

DC-VC4-6-(CC)R
Available Colors (CC): BK, IV, WH.

LEVEL 4
DC-VC5-8-TL
Available Colors (CC): BK, GN, IV, OR, RD, WH, YW.

Assorted Colors

(CC) Color Abbreviation Chart

LEVEL 5E
DC-VC5-8-RD-R

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180° TERMINATION JACKS

- IDC Type Termination
- Plier maybe needed to terminate
- Fits both Keystone Wall plates and Blocks
- Gold Plated Contacts
- USOC (6C) & AT&T (8C) Color Coded
- Terminates 24-28 AWG Conductors
- AMP Product, Color: Black Only

IDC TYPE

- IDC Type Termination, w/ Color Coded Cap
- Fits both Keystone Wall plates and Blocks
- Gold Plated Contacts
- USOC (6C) & AT&T (8C) Color Coded
- Terminates 24-28 AWG Conductors

IDC TYPE

- IDC Type Termination
- Fits both Keystone Wall plates and Blocks
- Gold Plated Contacts
- USOC (6C) & AT&T (8C) Color Coded
- Terminates 24-28 AWG Conductors
- AMP Product, Color: Black Only

BARREL IDC TYPE

- IDC Termination, w/ Color Coded Cap
- Gold Plated Contacts
- USOC (6C) & AT&T (8C) Color Coded
- Terminates 24-28 AWG Conductors
- AMP Product, Color: Black Only

FEED THRU

- Allows Back to Back Feed Thru of Modular Signals
- Also Doubles as Modular Coupler
- Mounts Into WPP, WP-M Keystone Cutouts
- Gold Plated Contacts

**DATA OUTLET: KEYSTONE JACKS**

**IDC TYPE**

- IDC Type Termination
- Plier maybe needed to terminate
- Fits both Keystone Wall plates and Blocks
- Gold Plated Contacts
- USOC (6C) & AT&T (8C) Color Coded
- Terminates 24-28 AWG Conductors
- AMP Product, Color: Black Only

**SURFACE MOUNT BOXES**

- PT-111-1-IV Single Port Keystone box,
- PT-111-1-WH DC-VC2 Only
- PT-111-2-IV Dual Port Keystone box,
- PT-111-2-WH DC-VC2 Only

**MISCELLANEOUS INSERTS**

- Fits Keystone Blocks and Wall Plates
- Various Modules for Different Connecting Options
- Available Colors (CC): Ivory (IV), White (WH)

**FEED THRU**

- Allows Back to Back Feed Thru of Modular Signals
- Also Doubles as Modular Coupler
- Mounts Into WPP, WP-M Keystone Cutouts
- Gold Plated Contacts

**MISCELLANEOUS INSERTS**

- Fits Keystone Blocks and Wall Plates
- Various Modules for Different Connecting Options
- Available Colors (CC): Ivory (IV), White (WH)

**FEED THRU**

- Allows Back to Back Feed Thru of Modular Signals
- Also Doubles as Modular Coupler
- Mounts Into WPP, WP-M Keystone Cutouts
- Gold Plated Contacts

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DATA OUTLET: PANELS & BLOCKS

UNIVERSAL FITTING PANEL
WRP-MA-12/1U  12 Port Panel, 19" x 1.75"
WRP-MA-16/1U  16 Port Panel, 19" x 1.75"
WRP-MA-24    24 Port Panel, 19" x 3.5"
WRP-MA-32    36 Port Panel, 19" x 3.5"

Stainless Steel Wall Plate
WP-MA-2       Dual Port Wall Plate for MF
WP-MA-4D     Quad Port Double Gang Wall Plate for MF

MODULAR FRAMES (Panel/Wall Plate Inserts)
MF-BLC-(CC)  Blank Opening Blocker
MF-BNC-(CC)  1/2" D cut out for RF
MF-BNC1-(CC) With BNC Feed Thru
MF-FOC-(CC)  Cut out for ST fiber Coupler
MF-FOC1-(CC) With ST Fiber Coupler
MF-KSJ-(CC)  Cut Out for Keystone Jack
MF-KSJ1-(CC) With CAT5 Keystone Jack
MF-RFF-(CC)  3/8" D cut out for RF
MF-RFF1-(CC) With F Coupler

Available Colors (CC): BK, BL, GN, IV, RD, YW, WH.

|-----------------------------|-----------|-----------|----------|-----------|----------|-----------|----------------|------------|----------------|----------|---------|----------------------|-----------|-----------|-----------|-----------|

CAT 5E SURFACE MOUNT BLOCKS

- Three-directional cable exits for greater flexibility
- Blue and red icons for instant identification of voice or data assignments
- Write-on labels with snap-in clear protective plastic covers
- Double Sided Sticker and Wood Screws for Mounting
- 110 IDC w/Both T568A and T568B wiring options on the same terminal
- Available Colors (CC): Gray (GR), Ivory (IV), White (WH).
- Krone Terminal (LSA+) and/or Shielded version Available on Custom Bases.

PT-1153-8-(CC)  Single Port, RJ-45, 568A & B
PT-1154-8-(CC)  Dual Ports, RJ-45, 568A & B
PT-1153-6-(CC)  Single Port, 6C, RJ-25 USOC
PT-1154-68-(CC) Dual Ports, 6C & 8C, USOC & 568A & B
PT-1151-(CC)  Single Port, Right Angle & Tooless, also on (BK) Black
PT-1152-(CC)  Dual Ports, Right Angle & Tooless, also on (BK) Black

SURFACE MOUNT BOXES & MODULE INSERTS

- Regular Biscuit Shape
- Up to 4 Ports Available
- Screw-on Top, Double sided Sticker and Wood Screws for Mounting
- Fits all Keystone Jacks
- Available Colors (CC): Ivory (IV), White (WH).

PT-1112-(CC)  Dual Port Box
PT-1124-(CC)  Quad Ports Box

PT-1112-IV  Box Shown with Dual Port Insert (PT-111J2-IV)

PT-111J1-(CC)  Keystone, Single Port
PT-111J2-(CC)  Keystone, Dual Port
PT-111B1-(CC)  BNC Insert, Single Port
PT-111B2-(CC)  BNC Insert, Dual Port
PT-111F1-(CC)  F Insert, Single Port
MODULAR COUPLERS & TESTERS

Compatibility Chart for Data Outlet Components

<table>
<thead>
<tr>
<th>Part#</th>
<th>K Series Wall Plate (Pg 15)</th>
<th>Original Wall Plate (Pg 12)</th>
<th>PT-LK11 Series (Pg 15)</th>
<th>PT-LK112.24 Series (Pg 16)</th>
<th>MOD Frame (Pg 11, 34)</th>
<th>MOD Panel (Pg 11)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC-1021 Cat5 (Pg 15)</td>
<td>*</td>
<td>*</td>
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<td>DC-1021 Cat6 (Pg 15)</td>
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<tr>
<td>DC-1021 8A/B (Pg 15)</td>
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<tr>
<td>DC-1022 8A/B (Pg 15)</td>
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<tr>
<td>DC-1023 8A/B (Pg 15)</td>
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<tr>
<td>DC-VC4 180° 8A/B (Pg 15)</td>
<td>*</td>
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<tr>
<td>DC-VC4 K Series (Pg 14)</td>
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<tr>
<td>DC-VC4 RJ Angle (Pg 14)</td>
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<tr>
<td>DC-VC4 Tool Less (Pg 14)</td>
<td>*</td>
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<tr>
<td>DC-VC5 180° (Pg 15)</td>
<td>*</td>
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<tr>
<td>DC-VC5 K Series (Pg 14)</td>
<td>*</td>
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<tr>
<td>DC-VC5 RJ Angle (Pg 14)</td>
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<tr>
<td>DC-VC5 Tool Less (Pg 14)</td>
<td>*</td>
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<tr>
<td>DC-VC6 8P8C (Pg 15)</td>
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<tr>
<td>WPP-B1 &amp; B2 (Pg 15)</td>
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<tr>
<td>WPP-B3 (Pg 15)</td>
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</tr>
</tbody>
</table>

MODULAR INLINE COUPLERS

- Gold Plated Contacts
- Straight Thru (Data)
- Color: Black

Data Category 5 Enhanced

DC-102-8CD-5 8P8C Jacks
DCS-102-8CD-5 Shielded 8P8C Jacks

Data CAT 6

DC-102-8CD-6 8P8C Jacks, RJ-45 Plug
DCS-102-8CD-6 Shielded

- Gold Plated Contacts
- Straight Thru (Data) or Reversed Wiring (Phone)
- Color: Ivory (Unless Otherwise Noted)

Phone

PT-102-4C 6P4C Jacks
PT-102-6C 6P6C Jacks
PT-102-6C-BK 6P6C Jacks Black
PT-102-6C-GR 6P6C Jacks Gray
PT-102-6C-WH 6P6C Jacks White
PT-102-8C 8P8C Jacks

Data

DC-102-4CD 6P4C Jacks, RJ-11
DC-102-6CD 6P6C Jacks, RJ-25
DC-102-8CD 8P8C Jacks, RJ-45
DC-102-10CD 10p10c Jacks, data only
DC-102-44CD 4P4C Jacks

REMOTE CABLE TESTERS

For USOC4/6/8, Ethernet 10BaseT/10Base2, EIA/TIA-568A/B, TOKEN RING, Telephone, Apple Talk, PhoneNet Cabling System Test

TSR-RMTNET

- Powered by 9V battery.
- Automatic deactivation.
- Open/short wiring test.
- Connected wires display.
- No connection/no terminator indication.
- Wrong connection/Non parallel connection display.
- Ethernet 10BASE2/10BASE5 terminator value detection.

TSR-NETCBL

- For wires continuity, miswiring and polarization in your network cables, thin Ethernet (BNC) / 10Base-T(UTP/STP) 356A / TIA-568A / Tia-568B & Token Ring. Using the attached remote terminator can easily test the cable before or after the cables are installed. Also allows testing of the ground of Shielded Twisted Paired Cable. The Test Jacks are a BNC Female and a RJ-45.
**CATEGORY CABLES**

---

**CAT 6**

- All Cables are Manufactured Under ISO 9000 Standard.
- ETL Verified to EIA/TIA 568A Category 6 Standard.
- UL (USA) CMR, CSA (Canada) CMG FT4, AusTel (Australia), and Fuji (Japan) Listed.
- Solid Cable with Pull cord inside and footage clearly marked on jacket.
- Packaged in 1000ft Reelbox and Tested to 500MHz.

<table>
<thead>
<tr>
<th>DC-568-(CC)-1000L</th>
<th>Stranded for Patch Cords</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC-568-(CC)-1000L</td>
<td>Solid Horizontal Installation</td>
</tr>
</tbody>
</table>

**Available Colors (CC)**

<table>
<thead>
<tr>
<th>DC-568(CC)-328L</th>
<th>Solid Horizontal Installation</th>
</tr>
</thead>
</table>

**DC-568-GR-1000-ZH** Stranded Low Smoke Zero Halogen (LSZH) 4 Pair

---

**ENHANCED CAT 5**

- All Cables are Manufactured Under ISO 9000 Standard.
- ETL Verified to EIA/TIA 568A TSB-40A category 5.
- UL (USA) CMR, CSA (Canada) CMG FT4, AusTel (Australia), and Fuji (Japan) Listed
- Solid Cable with Pull cord inside and footage clearly marked on jacket.
- Packaged in 1000ft Reelbox and Tested to 350MHz.

**Solid**

<table>
<thead>
<tr>
<th>DC-5E8(CC)1000L</th>
<th>CAT 5E Solid 4 Pair Conductor. 1000ft./Reel</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC-5E8(CC)1000L</td>
<td>CC: BL, GR, YW. Shielded</td>
</tr>
<tr>
<td>DC-5E8(CC)328L</td>
<td>CAT 5E Solid 4 Pair Conductor. 328ft. (100M), Mini Box</td>
</tr>
<tr>
<td>DC-5E4(CC)1000-L</td>
<td>CAT 5 Solid 2 Pair Conductor, Gray Jacket</td>
</tr>
<tr>
<td>DC-5E8(CC)1000L</td>
<td>CC: BL, GR</td>
</tr>
</tbody>
</table>

**Solid Economic**

<table>
<thead>
<tr>
<th>DC-5E8(CC)-1KL</th>
<th>CAT 5E Solid 4 Pair Conductor. 1000ft./Pull Box. CC: BL, GN, RD, WH, WH</th>
</tr>
</thead>
</table>

**Stranded**

<table>
<thead>
<tr>
<th>DC-5E8(–CC)1000</th>
<th>CAT 5E Stranded 4 Pair Conductor, 1000ft./ Reel</th>
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<tbody>
<tr>
<td>DC-5E4(CC)2000</td>
<td>CC: BK, BL, GR, OR, RD, VL, YW, WH Shielded</td>
</tr>
<tr>
<td>DC-5E6GR1000</td>
<td>CAT 5E Stranded 3 Pair Conductor, 1000ft./ Reel, Gray Cable</td>
</tr>
<tr>
<td>DC-5E8(CC)1000</td>
<td>CAT 5E Stranded 4 Pair Conductor, 1000ft./ Reel</td>
</tr>
<tr>
<td>DC-5E8GR1000-ZH</td>
<td>CAT 5E Stranded LSZH, 4 Pair Conductor, 1000ft./ Reel, Gray Cable</td>
</tr>
</tbody>
</table>

---

**CAT 5**

- All Cables are Manufactured Under ISO 9000 Standard and are UL and CSA listed.
- ETL Verified to EIA/TIA 568A Category 5. CMR, PVC jacket.
- Solid Cable with Pull cord inside and footage clearly marked on jacket.
- Packaged in 1000ft Reelbox

<table>
<thead>
<tr>
<th>DC-554(CC)1000</th>
<th>Stranded 2 Pair CC: BG, BK, BL</th>
</tr>
</thead>
</table>

**DC-558WH1000-LT** Teflon CAT 5 Solid 4 Pair White Jacket

---

**Color Abbreviation Chart**

|------|------------|------------|-----------|------------|-----------|------------|-----------------|------------|-------------------|----------|---------|----------------------------|-----------|------------|-------------|-----------|
**MODULAR CABLES & CONNECTORS**

**FLAT CABLE**
- 26 AWG Silver Satin (SV) or Black (BK)
- Unshielded Cable

| DC-W4-500BK | DC-W6-500BK | DC-W8-500BK |
| DC-W4-1000BK | DC-W6-1000BK | DC-W8-1000BK |
| DC-W4-50 | DC-W6-50 | DC-W8-50 |
| DC-W4-75 | DC-W8-75 |

**TWISTED PAIR CABLE**
- Unshielded Twisted Pair Cables
- Silver Satin (SV) or Black (BK) Stranded

| DC-WT6-500-SV-24UL | DC-WT6-1000-SV-24UL | DC-WT8-500-SV-24UL |
| DC-WT8-1000-SV-24UL |

**DC-WT6-500-SV-24**
**DC-WT6-1000-SV-24**

**24 AWG Black**

| DC-WT4-500-BK-24 |
| DC-WT4-1000-BK-24 |
| DC-WT6-500-BK-24 |
| DC-WT6-1000-BK-24 |

**RG-58AU-500** Stranded Center Conductor

| RG-58AU-500 |
| RG-58U-500 |
| RG-6/U M/M Video, Black |
| RG-6/U M/M Video, White |

**BULK COAX CABLE**
- RG-58, 500 ft roll

| RG-58AU-500 |
| RG-58U-500 |

**SHIELDED CAT 5E**
All cables are made to ISO 9000 Standard (European Shielded Standard). Stranded with 24 AWG twisted pair conductors. Solid with 24 AWG twisted pair conductors. Verified to EIA/TIA 568B.2 category 5e. Package in 1000ft Reelbox.

| DCS-5E8(CC)1000L Solid |
| DCS-5E8(CC)1000 Stranded |

**BNC MOLDED & “F” MOLDED CABLES**
- Gold Plated BNC Contacts
- Molded Strain Relief

| MMA-F6-(LL)BK |
| MMA-F6-(LL)WH |

**S-BNC58A-(LL)** RG-58A Stranded Center Conductor

| Available Footage (LL): 10", 01, 03, 04, 05, 06, 12, 15, 25, 50, 75, 100. |
| Available Footage (LL): 03, 75, 100. |
MODULAR TO D-SUB ADAPTOR KITS

Nevada Western Compatible Color Code

<table>
<thead>
<tr>
<th>6P4C</th>
<th>6P6P</th>
</tr>
</thead>
<tbody>
<tr>
<td>AD-9FT4-G2</td>
<td>AD-15FT4-BK2</td>
</tr>
<tr>
<td>AD-9FT6-G2</td>
<td>AD-15MT4-BK2</td>
</tr>
<tr>
<td>AD-9MT4-G2</td>
<td>AD-15MT6-BK2</td>
</tr>
<tr>
<td>AD-9FT6-B2</td>
<td>AD-15FT6-B2</td>
</tr>
<tr>
<td>AD-9MT6-B2</td>
<td>AD-15MT6-B2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>8P8C</th>
</tr>
</thead>
<tbody>
<tr>
<td>AD-9FT8-B2</td>
</tr>
<tr>
<td>AD-9MT8-B2</td>
</tr>
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</table>

AT & T Compatible Color Code RJ 45 Jack with Key

<table>
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<tr>
<th>6P4C</th>
<th>6P6P</th>
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<tbody>
<tr>
<td>AD-9FT8-BK2L</td>
<td>AD-15HFT8-G2</td>
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<tr>
<td>AD-9MT8-BK2L</td>
<td>AD-15HMT8-G2</td>
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<td>AD-9FT8-B2</td>
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</tr>
<tr>
<td>AD-9MT8-B2</td>
<td>AD-15MT8-BK2</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>8P8C</th>
</tr>
</thead>
<tbody>
<tr>
<td>AD-9FT8-BK2 &amp; AD-25FT8-BK2</td>
</tr>
<tr>
<td>AD-9MT8-BK2 &amp; AD-25MT8-BK2</td>
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</tbody>
</table>

TWO PIECE STANDARD

PIN NUMBERING

- 6P6C pins are usually numbered 1 thru 6.
- If a 6 pin jack has only 4 conductors, pins are numbered 2 thru 5.
- Some 8p8c jacks have an optional notch on the side to match 8p8c data plugs.
- 10 conductor plugs, the size of 8p8c plugs with 2 extra contacts, have pins numbered 0 thru 9.

WIRING COLOR CODES

USOC (Uniform Service Ordering Code) Color Codes

<table>
<thead>
<tr>
<th>Pin #</th>
<th>6P4C</th>
<th>6P6P</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>--</td>
<td>White</td>
</tr>
<tr>
<td>2</td>
<td>Black</td>
<td>Black</td>
</tr>
<tr>
<td>3</td>
<td>Red</td>
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<td>Green</td>
<td>Green</td>
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<tr>
<td>5</td>
<td>Yellow</td>
<td>Yellow</td>
</tr>
<tr>
<td>6</td>
<td>--</td>
<td>Blue</td>
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NW (Nevada Western) Color Codes

<table>
<thead>
<tr>
<th>Pin #</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>--</td>
<td>Blue</td>
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<tr>
<td>2</td>
<td>Yellow</td>
<td>Yellow</td>
</tr>
<tr>
<td>3</td>
<td>Green</td>
<td>Green</td>
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<tr>
<td>4</td>
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<tr>
<td>5</td>
<td>Black</td>
<td>Black</td>
</tr>
<tr>
<td>6</td>
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<td>White</td>
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AT&T (Weco) Color Codes

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<tbody>
<tr>
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<tr>
<td>3</td>
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<tr>
<td>4</td>
<td>Red</td>
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10P10C Code

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<tbody>
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<tr>
<td>3</td>
<td>Black</td>
</tr>
<tr>
<td>4</td>
<td>Red</td>
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</tbody>
</table>

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# MODULAR TO D-SUB ADAPTOR KITS

## ONE PIECE STANDARD

### AT & T Compatible Color Code
- AD-9FT8-G1
- AD-9MT8-G1
- AD-15FT8-BK1
- AD-15MT8-BK1
- AD-25FT8-BK1
- AD-25MT8-BK1
- AD-25FT8-G1
- AD-25MT8-G1

### USOC Compatible Color Code
- AT1-G9F4
- AT1-G9M4
- AT1-G9F6
- AT1-G9M6
- AT1-G9F6DEC
- AT1-G9M6DEC

### DEC Type Jack
- AT1-G15F4
- AT1-G15M4
- AT1-G15F6
- AT1-G15M6

## DELUXE

- Molded Thumbscrews
- Different Color Options
- UL Listed
- Individually Packaged with Headers

### NW Code
- ADM-9F6-GN
- ADM-9M6-GN
- ADM-25F6-(CC)
- ADM-25M6-(CC)

### USOC Code
- AD-2506M-G1
- AD-2506F-G1

## ECONOMY

- Order in Lots of 100 only
- Thumbscrew and Plastic
- Gray Hoods

### USOC Code
- AD-2506M-G1

---

### NOMENCLATURE

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<td>DB15</td>
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<tr>
<td>25</td>
<td>DB25</td>
</tr>
<tr>
<td>T4 or 4</td>
<td>RJ11, 4C Jack</td>
</tr>
<tr>
<td>T6 or 6</td>
<td>RJ11, 6C Jack</td>
</tr>
<tr>
<td>D</td>
<td>DEC Type</td>
</tr>
<tr>
<td>T8(K)</td>
<td>RJ45, 8C (W/Key)</td>
</tr>
<tr>
<td>T10(K)</td>
<td>10C (W/Key)</td>
</tr>
</tbody>
</table>

| G | GRAY |
| B | BLUE |
| BK | BLACK |
MODULAR PLUGS

2 Prong Stranded Flat Cable Plugs

Standard
PT-044 HANDSET
PT-064 RJ 11 6P4C
PT-066 RJ 11 6P6C
PT-066DEC 6P6C DEC
PT-088 RJ 45 8P8C
PT-088K RJ 45 8P8C, KEYED
PT-1010 10P10C
PT-1010K 10P10C, KEYED
PT-1010RS 10P10C

50 “µ” Gold Plate
PT-044/50UL
PT-064/50UL
PT-066/50UL
PT-066DEC/50UL
PT-088/50UL
PT-088K/50UL

3 Prong Round Cable Plugs

For Solid Conductor Round Cables

Standard
PT-064RS RJ 11 6P4C
PT-066RS RJ 11 6P6C
PT-088RS RJ 45 8P8C
PT-088RS* RJ 45 8P8C
PT-088KRS RJ 45 8P8C, KEYED

50 “µ” Gold Plate
PT-064RS/50UL
PT-066RS/50UL
PT-088RS/50UL
PT-088KRS/50UL

* Need to use crimp tools with AMP type dies

UK Modular Plug
PT-066UKBK50
PT-066UKWH50

2 Prong Round Cable Plugs

For Twisted Pair Stranded, Round Cables

Standard
PT-044R HANDSET
PT-064R RJ 11 6P4C
PT-066R RJ 11 6P6C
PT-088R RJ 45 8P8C
PT-088KR RJ 45 8P8C, KEYED

50 “µ” Gold Plate
PT-044R/50UL
PT-064R/50UL
PT-066R/50UL
PT-088R/50UL
PT-088KR/50UL

For Solid Conductor Round Cables

Standard
PT-064RS RJ 11 6P4C
PT-066RS RJ 11 6P6C
PT-088RS RJ 45 8P8C
PT-088RS* RJ 45 8P8C
PT-088KRS RJ 45 8P8C, KEYED

50 “µ” Gold Plate
PT-064RS/50UL
PT-066RS/50UL
PT-088RS/50UL
PT-088KRS/50UL

* Need to use crimp tools with AMP type dies

CABLE ENTRY

CABLE ENTRY VIEW

MODULAR PLUG

PT-088R (Rounded)
PT-088 (Rectangular)

3 Prong Round Cable Plugs

For Solid Conductor Round Cables

Standard
PT-0388R RJ 45 8P8C
PT-0388KR RJ 45 8P8C, KEYED
PT-03A88R* RJ 45 8P8C
PT-0388RE 8P8C Economic

50 “µ” Gold Plate
PT-0364R/50UL
PT-0366R/50UL
PT-03A88R/50UL
PT-0388RE/50UL

* Need to use crimp tools with AMP type dies

CAT 6 & CAT 5E PLUGS

- Exclusive Staggered Plug to Ensure CAT 6 & CAT 5E High Performance
- Polycarbonate, RJ-45 plug
- Staggered alignment termination
- 50µ” gold plated contacts, plug geometry meets FCC 68.500 and IEC 60603-7 specifications for modular plugs.
- For Both Stranded & Solid Wire.

CAT 6
PT-0688-50UL

CAT 5E
PT-05E88-50UL - No Loading Bar
PT-03E88RG-50UL

Short Body Plugs

PT-088SBG/50UL Staggered, 8P8C Plug

- Standard Plugs - Contact: 6 µ” Gold Plastic: 94V2
- 50UL-type Plugs - Contact: 50 µ” Gold Plastic: UL, 94Vo

As illustrated, both 2 Prong and 3 Prong Plugs make contact on Stranded Cable by piercing thru the outer insulator of the conductors. On solid conductor cable, 2 Prong makes contact by straddling the single conductor while the 3 Prong makes contact on the solid conductor by 3 point gripping, which gives a more stable contact.

For Solid Conductor Round Cables

Standard
PT-066UKBK50
PT-066UKWH50

PT-066UKBK50
PT-066UKWH50

Short Body Plugs

PT-088SBG/50UL Staggered, 8P8C Plug

- Standard Plugs - Contact: 6 µ” Gold Plastic: 94V2
- 50UL-type Plugs - Contact: 50 µ” Gold Plastic: UL, 94Vo

As illustrated, both 2 Prong and 3 Prong Plugs make contact on Stranded Cable by piercing thru the outer insulator of the conductors. On solid conductor cable, 2 Prong makes contact by straddling the single conductor while the 3 Prong makes contact on the solid conductor by 3 point gripping, which gives a more stable contact.
MODULAR PLUGS & BOOTS

CATEGORY 5 PLUGS

- For Both Standard Type and AMP Type 8p8c RJ-45 Plugs. Rachet Mechanism, Vertical Crimping Motion for Precision Fitting of Plugs. Great for Cat5 8p8c Plugs with Inserts.

(Part # PT-0588 series)

PT-0588-50UL

PTC-RJ45-50 (CC) For flat cables  CC: BK, GR
PTC-RJ45-55 (CC) 5.5 mm I.D. CC: BK, GR
PTC-RJ45-60 (CC) 6.0 mm I.D. CC: BK, BL, GN, GR, OR, RD, YW, WH
PTC-RJ45-62 (CC) 6.2 mm I.D. CC: BK, BL, GN, GR, OR, RD, VL, YW, WH
PTC-RJ45-65 (CC) 6.5 mm I.D. CC: BK, BL, GN, GR, OR, RD, VL, YW, WH
PTC-RJ45-70 (CC) 7.0 mm I.D. CC: BK, BL, GN, GR, OR, RD, VL, YW, WH

SHIELDED PLUGS

CAT 5e
PTS-03E88RG-50UL  8P8C Solid, CAT 5

CAT 5
PT-0588-50UL CAT 5 Modular Plug 8P8C
PT-0510-50UL CAT 5 Modular Plug 10P10C 50µ" Gold UL

All RJ 45 8P8C

PTS-088R-50UL 2 Prong, Regular Die
PTS-0388R-50UL 3 Prong, Regular Die
PTS-03A88R-50UL 3 Prong, Half Shield, AMP Type Die
PTS-03AW88R-50UL 3 Prong, Whole Shield, AMP Type Die
PTS-03AW88 3 Prong, Whole Shield, AMP Type Die
PTS-0A88R-50UL 8P8C Shield Twist Pair Stranded

BOOTS

- Makes Connections Color Coded
- Boots Strain Relief Allows a Large Bend Radius, Necessary to Achieve Cat 5 Performance on Level 5 Connections
- Different Inside Diameters for Different Cable O.D.

PTC-RJ45-F (CC) For flat cables  CC: BK, GR
PTC-RJ45-50 (CC) 5.0 mm I.D. CC: BK, GR
PTC-RJ45-55 (CC) 5.5 mm I.D. CC: BK, BL, GN, GR, OR, RD, YW, WH
PTC-RJ45-60 (CC) 6.0 mm I.D. CC: BK, BL, GN, GR, OR, IV, LG, OR, PB, PK, RD, VL, YW, WH
PTC-RJ45-62 (CC) 6.2 mm I.D. CC: BK, BL, GN, GR, OR, RD, VL, YW, WH
PTC-RJ45-65 (CC) 6.5 mm I.D. CC: BK, BL, GN, GR, OR, RD, VL, YW, WH
PTC-RJ45-70 (CC) 7.0 mm I.D. CC: BK, BL, GN, GR, OR, RD, VL, YW, WH

PTC-RJ45X (CC)

PTC-RJ45-55RD 5.5 mm I.D. CC: BK, BL, GN, GR, OR, RD, YW
PTC-RJ45X-61(CC) 6.1 mm I.D. CC: BK, BL, GN, GR, RD, YW

SNAP ON BOOTS

FOR BOOTS AND SNAP-ON BOOTS

PTC-SNP11-(CC) For RJ-11
PTC-SNP45-(CC) For RJ-45
PTC-SNP45-RD

Insert Type Boots

PTC-RJ45X-55RD
PTC-RJ45X-61(CC)

110 TYPE PATCH PLUGS

PT-110PP1-E CAT 5e, 1 Pair
PT-110PP1 CAT 5, 1 Pair
PT-110PP2 CAT 5, 2 Pair
PT-110PP3 CAT 5, 3 Pair
PT-110PP4 CAT 5, 4 Pair

See pages 36 & 37 for detail information on Tools

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TWIST-STOP & EZ CORDS

PT-101-44TWM  4p4c Plug, with Mold Cord  
PT-101-44-TW  4p4c Plug, with Tel Cord  
PT-101-44TRL  4p4c Plug, Long Latch  
PT-101-44-TR  4p4c Plug, Short Latch  

S-EZ-RJ11  RJ-11 Cable  
S-EZ-RJ45  RJ-45 Cable  

DUPLEX ADAPTORs

• Ivory Color  
• Gold Plated Contacts  
• Split One Line into Two  

DC-101P-6DSL  Single Port DSL Filter  
DC-101T-6DSL  Split-T Voice/Data ADSL Microfilter  
DC-101T-6CS  CAT 5 Jacks, All Pass  
DC-101T-6CSN  CAT 5 Jacks, All Pass New Design  
DC-101T-6E2  2 Ethernet Jack T-MOD  

PT-101-422  4 in 2&2 out L1+L2  
PT-101-444  6p4c Plug, 2 6p4c Jacks  
PT-101-666  6p6c Plug, 2 6p6c Jacks  
PT-101-666WH  6p6c Plug, 2 6p6c Jacks, White  
PT-101-888  8p8c Plug, 2 8p8c Jacks  
PT-101-448  6p4c Plug, 1 6p4c Jacks, 1 8p8c Jacks  

DUPLEX JACKS

• Ivory Color  
• Gold Plated Contacts  
• Split one line into two  

PT-101J-422  4 in 2&2 out L1+L2  
PT-101J-444  3 6p4c Jacks  
PT-101J-666  3 6p6c Jacks  
PT-101J-888  3 8p8c Jacks  

PT-104A-88  2 6p6c Jacks  
PT-104A-88  8p8c Jacks  

DATA (STRAIGHT THRU)

DC-101J-666  3 6p6c Jacks  
DC-101J-888  3 8p8c Jacks  

PHONE (CROSS WIRING)

PT-101J-422  4 in 2&2 out L1+L2  
PT-101J-444  3 6p4c Jacks  
PT-101J-666  3 6p6c Jacks  
PT-101J-888  3 8p8c Jacks  

DC-101J-666  3 6p6c Jacks  
DC-101J-888  3 8p8c Jacks  

SCREW TYPE MOUNTING BLOCKS, SNAP ON TOP

• Single Jack, Snap Covers  
• Double Sided Sticker  
• Mounting Screws  
• Gold Plated Contacts  
• Both UL & Standard Parts  
• Wiring: 6P4C & 6P6C-USOC  
• 8P8C - AT&T  

PT-108A-6CWH  6p4c SCREW LOCKS  
PT-108A-4C  6p4c Jacks  
PT-108A-6C  6p6c Jacks  
PT-108A-6D  W/DEC Jack  
PT-108A-8C  8p8c Jacks  
PT-108B-4C  6p4c Jacks (Economy Block)  
PT-108A-8C-SB  8p8c w/ Shorting Bar  

PT-108A-6CWH  6p4c Jacks  
PT-108A-4CWH  Rj 11, 4C, White  
PT-108A-4CWH-UL  Rj 11, 4C, White  
PT-108A-6C-UL  6p6c Jacks  
PT-108A-6CWH  Rj 11, 6C, White  
PT-108A-6CWH-UL  Rj 11, 6C, White  
PT-108A-6C-UL  8p8c Jacks  
PT-108A-8CWH  RJ 45, 6C, White  
PT-108A-8CWH-UL  RJ 45, White  
PT-108A-8C-SB  8p8c w/ Shorting Bar  

SCREW TYPE MOUNTING BLOCKS, DUAL JACKS

• Dual Jacks, Screw-on Cover  
• Double Sided Sticker  
• Screw Contacts  
• Screws for Mounting  
• Gold Plated Contacts  
• Ivory Color  
• Wiring: 6P4C & 6P6C-USOC, 8P8C-USOC, AT&T  

PT-1104A-44WH  2 6p4c Jacks  
PT-1104A-44-WH  2 6p4c Jacks  
PT-1104A-88WH  2 6p6c Jacks  
PT-1104A-88-WH  2 6p6c Jacks  
PT-1104A-44UL  2 6p4c Jacks  
PT-1104A-88UL  2 6p6c Jacks  

TELEPHONE CORDS

• Silver Satin or Ivory Color  
• Modular Line Cords  
• Reversed Wiring  
• Available Footage=LL  

PT-504X-3SV  RJ 11, 4C  LL=7, 14, 25  
PT-504X-(LL)SV  LL=7, 14, 25, 50  
PT-508X-(LL)IV  RJ 11, 6C  LL=7, 14  
PT-508X-(LL)SV  LL=7, 14, 25  

PT-504X-7SV  RJ 11, 4C  LL=7, 14, 25  

Wiring Configurations

First Plug  Second Plug

<table>
<thead>
<tr>
<th>Color</th>
<th>Pin #</th>
<th>Color</th>
<th>Pin #</th>
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<tbody>
<tr>
<td>Blue</td>
<td>1</td>
<td>1</td>
<td>Slate</td>
</tr>
<tr>
<td>Orange</td>
<td>2</td>
<td>2</td>
<td>Brown</td>
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<tr>
<td>Black</td>
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<td>Yellow</td>
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<td>7</td>
<td>Orange</td>
</tr>
<tr>
<td>Slate</td>
<td>8</td>
<td>8</td>
<td>Blue</td>
</tr>
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</table>

USED MOSTLY FOR VOICE SYSTEMS
### MODULAR ACCESSORIES

#### COIL HANDSET CORD
- **Available Colors:** BK, IV, WH
- **Models:**
  - PT-604-07'(CC)
  - PT-604-12'(CC)
  - PT-604-18'(CC)
  - PT-604-25'(CC)

#### MODULAR SURFACE JACK
- **Ivory Wall Jack Covers**
  - PT-107-4C

#### SMOOTH SURFACE
- **Wall Plates with 6p4c Jack(s), Ivory**
  - PT-103B-4C Single
  - PT-103B-4CWH Single, White
  - PT-103B-6C Single
  - PT-103B-6CWH Single, White
  - PT-104B-44 Dual
  - PT-104B-44WH Dual, White

#### CIRCULAR PLATE
- **Ivory Circular Wall Jack Plates**
  - PT-105-4C
  - PT-105-6C

#### MODULAR & VIDEO JACK
- **Wall Plates w/ 6p4c Jack and TV Antenna Jack, Ivory**
  - PT-104B-F4C

#### SURFACE JACK COVER
- **Surface Jack Cover**
  - PT-109-4C

#### DECORA WALL PLATE
- **Decora Wall Plates with 6p4c Jack(s), Ivory**
  - PT-103D-4C Single
  - PT-104D-44 Dual

#### WALL OUTLET FOR PHONE MOUNTING
- **Ivory Wall Phone Mount Plate**
  - PT-106-4C
  - PT-106-6C

#### SINGLE & DUAL MODULAR JACK WALL PLATES
- **Single Jack, Single Gang Plastic Wall Plate**
  - 6P4C, USOC
  - 6P6C, USOC
  - 6 DEC Type
- **Gold Plated Contacts**
  - See Index for Wiring Color Code
- **Models:**
  - PT-103-4U/UL 6P4C, USOC
  - PT-103-6U/UL 6P6C, USOC
  - PT-103-8U/UL 8P8C, USOC
  - PT-103-A8/U 8P8C, AT&T
  - PT-103-A8/K/U 8P8C, Keyed, AT&T
  - PT-103-6D/U 6 DEC Type
  - PT-103-4U 6P4C, USOC
  - PT-103-6U 6P6C, USOC
  - PT-103-8U 8P8C, USOC
  - PT-103-A8 8P8C, AT&T
  - PT-103-A8/K 8P8C, AT&T Keyed
  - PT-103-6NW 6P6C Nevada Western
  - PT-103-10C 10P10C, W/Key

- **Dual Jack, Single Gang Plastic Wall Plate**
  - Gold Plated Contacts, Screw Terminals
  - See Index for Wiring Color Code
- **Models:**
  - PT-104-44/U-UL 2 6P4C, USOC
  - PT-104-66/U-UL 2 6P6C, USOC
  - PT-104-68A-UL 2 6P6C, 2 8P8C
  - PT-104-88A-UL 2 8P8C, AT&T
  - PT-104-88/KK-UL 2 8P8C Keyed, AT&T
  - PT-104-10C 2 10P10C
  - PT-104-44U 2 6P4C, USOC
  - PT-104-66U 2 6P6C, USOC
  - PT-104-88/KK 2 8P8C Keyed, AT&T
  - PT-104-6DD 2 6DEC Type
  - PT-104-66NW 2 6P6C Nevada Western
MODULAR WALL PLATES & JACKS

110 TYPE MOUNTING BLOCKS, SINGLE & DOUBLE JACK

- Single Jack, Screw-on Cover
- Comes w/ Double Sided Sticker & Mounting Screws
- Gold Plated Contacts
- 110 Type IDC Termination with 2 Pair Caps
- Wiring: 6P4C & 6P6C -- USOC 8P8C -- AT&T

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Lines 1 &amp; 2</th>
</tr>
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<tbody>
<tr>
<td>PT-1103-4C</td>
<td>RJ11, 4C</td>
<td>Single</td>
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<tr>
<td>PT-1103-6C</td>
<td>RJ11, 6C</td>
<td>Single</td>
</tr>
<tr>
<td>PT-1103-6DEC</td>
<td>DEC Type Jack</td>
<td>Single</td>
</tr>
<tr>
<td>PT-1103-4/UL</td>
<td>RJ11, 4C</td>
<td>Single</td>
</tr>
<tr>
<td>PT-1103-6/UL</td>
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<td>Single</td>
</tr>
<tr>
<td>PT-1103-6DEC/UL</td>
<td>DEC Type Jack</td>
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<tr>
<td>PT-1103-8/UL</td>
<td>RJ45 Regular</td>
<td>Single</td>
</tr>
<tr>
<td>PT-1103-8K/UL</td>
<td>RJ45 Keyed</td>
<td>Single</td>
</tr>
</tbody>
</table>

- Double Jack, Screw-on Cover
- Comes w/ Double Sided Sticker & Mounting Screws
- Gold Plated Contacts
- 110 Type IDC Termination with 2 Pair Caps
- Labeled Line 1 & Line 2 on Top of Cover Unless Noted Otherwise

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Lines 1 &amp; 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-1104B-44</td>
<td>RJ11, 4C</td>
<td>Single</td>
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<td>PT-1104B-66</td>
<td>RJ11, 6C</td>
<td>Single</td>
</tr>
<tr>
<td>PT-1104B-6DD</td>
<td>IDC6DEC Dual Surface</td>
<td>Labeled Voice 1, Data 2</td>
</tr>
<tr>
<td>PT-1104B-88</td>
<td>RJ45, Regular</td>
<td>Single</td>
</tr>
<tr>
<td>PT-1104B-88K</td>
<td>RJ45, One Keyed Port</td>
<td>Labeled Voice 1, Data 2</td>
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<tr>
<td>PT-1104B-88K/UL</td>
<td>RJ45, Dual Keyed Port</td>
<td>Single</td>
</tr>
</tbody>
</table>

110 TYPE SINGLE WALL JACKS

- Single Jack Plastic Fittings for PT-113C-UL Wall Plates
- UL Listed, Gold Plated Contacts
- 110 Type Termination
- Wiring: 6P4C & 6P6C -- USOC 8P8C -- AT&T
- Copy of wiring code included

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Lines 1 &amp; 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-113-4C-UL</td>
<td>6P4C, USOC</td>
<td>Single</td>
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<tr>
<td>PT-113-6C-UL</td>
<td>6P6C, USOC</td>
<td>Single</td>
</tr>
<tr>
<td>PT-113-6D-UL</td>
<td>6 DEC Type</td>
<td>Single</td>
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<tr>
<td>PT-113-8C-UL</td>
<td>8P8C, AT&amp;T</td>
<td>Single</td>
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<tr>
<td>PT-113-8CK-UL</td>
<td>8P8C Keyed, AT&amp;T</td>
<td>Single</td>
</tr>
</tbody>
</table>

110 TYPE DUAL WALL JACK

- Double Jack Plastic Fitting for PT-114C-UL Wall Plates
- UL Listed, Gold Plated Contacts
- 110 Type Termination
- Wiring: 6P4C & 6P6C -- USOC 8P8C -- AT&T

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Lines 1 &amp; 2</th>
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</thead>
<tbody>
<tr>
<td>PT-114-44-UL</td>
<td>6P4C, USOC</td>
<td>Single</td>
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<tr>
<td>PT-114-66-UL</td>
<td>6P6C, USOC</td>
<td>Single</td>
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<tr>
<td>PT-114-6DD-UL</td>
<td>6-DEC Type</td>
<td>Single</td>
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<tr>
<td>PT-114-68K-UL</td>
<td>1 8P6C Voice, 1 8P8C, AT&amp;T</td>
<td>Single</td>
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<tr>
<td>PT-114-88-UL</td>
<td>8P8C, AT&amp;T</td>
<td>Single</td>
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<tr>
<td>PT-114-88K-UL</td>
<td>8P8C Keyed, AT&amp;T</td>
<td>Single</td>
</tr>
</tbody>
</table>

PLASTIC WALL PLATES

- Single or Dual Hole, Single Gang Wall Plates
- UL Listed, copy of wiring code included
- Single Gang Box or PT-115BUL Type Box

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>PT-113C-UL</td>
<td>Single Hole Wall Plate</td>
</tr>
<tr>
<td>PT-114C-UL</td>
<td>Dual Hole Wall Plate</td>
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</tbody>
</table>

PLASTIC WALL BOXES

- For Single, Dual Hole or Any Single Gang Wall Plates.
- UL Listed.
- Three different depth for different fitting.
- Use PT-115B Boxes for PT-113 and PT-114 type jacks.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT-115-UL</td>
<td>Ivory, 7/8&quot; Deep</td>
<td></td>
</tr>
<tr>
<td>PT-115B-UL-IV</td>
<td>Ivory, 1 3/4&quot; Deep</td>
<td></td>
</tr>
<tr>
<td>PT-115B-UL-WH</td>
<td>White, 1 3/4&quot; Deep</td>
<td></td>
</tr>
</tbody>
</table>
10/100 DUAL SPEED SWITCHING HUB

- Compliant with IEEE 802.3, 802.3u & 802.3x standards
- 8 Auto-sensing RJ-45 ports for 10Base-T or 100 Base-TX connections
- 1 additional RJ-45 uplink port for cascading to a hub or switch hub
- Auto-sensing for 10/100Mbps transmission speed
- Auto-detect of full/half duplex mode in all ports
- LED indicators for power, link speed 100Mbps, link and activity, full duplex and collision
- Space-saving compact size
- Wall or desktop mountable
- 160mm x 100mm x 25mm (LxWxH)

HUB-100BT-8  10/100 Hub 8 Ports

COMPACT 10/100 SWITCHES

- Compliant with IEEE 802.3, 802.3u and 802.3x standards
- 5 or 8 auto-sensing 10/100Mbps Ethernet RJ-45 ports
- Automatic MDI/MDIX crossover for all ports
- Store-and-Forward switching architecture
- Auto-detect of full/half-duplex mode in all ports
- Back-pressure for Half-duplex, Pause frame for Full-duplex
- Compact Dim: 110mm x 70mm x 19mm (LxWxH)

SWH-110-5  10/100 Switch 5 Ports, Compact
SWH-110-8  10/100 Switch 8 Ports

100 BASE T FIBER CONVERTER

- Conforms to IEEE 802.3u 100Base-TX, 100Base-FX Ethernet standards
- Converts UTP cabling to 100Base-FX (fiber) cabling
- Two RJ-45 connectors, MDI and MDI-X port for UTP
- One SC/ST/MT-RJ/VF-45 multi-mode fiber Connector or SC single-mode fiber Connector
- 2 DIP-switches to set the operation mode for UTP, Fiber Ports
- 4 Diagnostic LEDs for Power, TX Link/Act, FX Link/Act, FDX
- Support Multi-mode fiber connectivity up to 2Km or
  Single-mode fiber connectivity for longer distance
- External DC power adapter

ADL-100BT2FST-MM  ST Connector/ Multimode Max Dist. 2km
ADL-100BT2FSC-MM  SC Connector/ Multimode Max Dist. 2km
ADL-100BT2FSC-SM  SC Connector/Singlemode Max Dist. 60km

10/100 SWITCH WITH 100BASE T FIBER CONVERTER

- 5X 10/100Mbps Fast Ethernet UTP switch ports
- MDI uplink port for easy expansion
- One 100Mbps Fast Fiber (SC/SC single-mode/ST/MT-RJ/ VF-45) port
- 1 Dip-Switch to select fiber port full-duplex or half-duplex mode
- N-Way auto-negotiation supported
- Full-duplex and half-duplex supported
- Store-and forward switching architecture for abnormal packet filtering
- Full wire speed forwarding rate
- 4K-entry MAC address table
- 256KB Memory Buffer
- LED-indicators for Power, 10/100M, LK/ACT, FD/COL statuses
- Compact palm size – 6.5”, 165mm x 100mm x 24mm (LxWxH)

SWH-110MT-5  MTRJ Connector + 5 Ports 10/100 Switch
SWH-110VF-5  VF-45 Connector + 5 Ports 10/100 Switch
SWH-110SC-5  SC Connector + 5 Ports 10/100 Switch
SWH-110ST-5  ST Connector + 5 Ports 10/100 Switch

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### ATP CONNECTOR
- HP Type D-Sub Connector
  - **ATP-3HP**: HP Typed D-sub 3 pin plug (male)
  - **ATP-3HS**: HP Typed D-sub 3 pin socket (female)
  - **ATP-5HP**: HP Typed D-sub 5 pin plug (male)
  - **ATP-5HS**: HP Typed D-sub 5 pin socket (female)

### ATP MODULAR ADAPTOR KITS
- ATP Connector with RJ Jack
- Gold Plated Contact Pins
- Used on HP Systems
  - **ATP-3FT8**: ATP Jack to 8P8C
  - **ATP-3MT6**: ATP Plug to RJ-11 Kit
  - **ATP-3MT8**: ATP Plug to RJ-45 Kit
  - **ATP-5MT6**: ATP Plug to RJ-11 Kit
  - **ATP-5MT8**: ATP Plug to RJ-45 Kit

### IBM SURFACE BOXES & FACE PLATES
- Surface Mount Boxes for Data and/or Keystone Connectors
- Choice of Data Connectors See Pgs. 29, 30.
  - **WP-IBM-1P**: Type 1 Face plate (IBM#8310572)
  - **WP-IBM-2P**: Type 2 Face plate (IBM#6091025)
  - **WP-IBM-3P**: Face plate W/2 Keystone Holes
  - **WP-IBM-3M**: Surface Box with magnet for Face plates
  - **WP-IBM-4M**: Surface Box with magnet, for Face plates

### TWINAX STRAP & T ASSEMBLIES
- Use on IBM System/3X Computer W/52XX Terminal & Control Units
- Choice of either DB9, DB15 or TWINAX Device Connection
- **Self Termination** Assembly assures Signal (data) Connection integrity while disconnecting.
  - **DC-TA707A/CO**: Twinax Device Connection, Color Monitor
  - **DC-TA707A/M**: Twinax Device Connection, Monochrome Monitor
  - **DC-TA709A/15**: DB15 Device Connection
  - **DC-TA709A/9**: DB9 Device Connection

### ATP CONNECTOR KITS
- D-Sub 9position Shell with 3 or 5 contacts.
- Gold Plated Crimping Pin
- Used on HP Systems and Connections
  - **ATP-KIT-3P**: ATP Plug Kit, 3C
  - **ATP-KIT-3S**: ATP Socket Kit, 3C
  - **ATP-KIT-5P**: ATP Plug Kit, 5C
  - **ATP-KIT-5S**: ATP Socket Kit, 5C

### ATP CONNECTOR
- HP Type D-Sub Connector
  - **ATP-3FT8**: ATP Jack to 8P8C
  - **ATP-3MT6**: ATP Plug to RJ-11 Kit
  - **ATP-3MT8**: ATP Plug to RJ-45 Kit
  - **ATP-5MT6**: ATP Plug to RJ-11 Kit
  - **ATP-5MT8**: ATP Plug to RJ-45 Kit

### IMPEDANCE MATCHING BALUNS
- Matches 150 Ohm Shielded Twisted Pair Cable to 105 Ohm Unshielded Twisted Pair Cable.
- **Wiring Matching Adaptors**: Matches Unshielded Twisted Pair Wiring to Typical Applications Wirings, Includes IBM 3270 and 10 Base T
- Gold Plated Contacts.
- Custom Wiring Available, Please Call.

### IBM SURFACE BOXES & FACE PLATES
- Surface Mount Boxes for Data and/or Keystone Connectors
- Choice of Data Connectors See Pgs. 29, 30.
  - **WP-IBM-1P**: Type 1 Face plate (IBM#8310572)
  - **WP-IBM-2P**: Type 2 Face plate (IBM#6091025)
  - **WP-IBM-3P**: Face plate W/2 Keystone Holes
  - **WP-IBM-3M**: Surface Box with magnet for Face plates
  - **WP-IBM-4M**: Surface Box with magnet, for Face plates

### IMPEDANCE MATCHING BALUNS
- Matches 150 Ohm Shielded Twisted Pair Cable to 105 Ohm Unshielded Twisted Pair Cable.
- **Wiring Matching Adaptors**: Matches Unshielded Twisted Pair Wiring to Typical Applications Wirings, Includes IBM 3270 and 10 Base T
- Gold Plated Contacts.
- Custom Wiring Available, Please Call.

<table>
<thead>
<tr>
<th>Part #</th>
<th>MOD</th>
<th>Data Connector</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC-MD-4C</td>
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<td>RJ-11</td>
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<tr>
<td>DC-MD-6C</td>
<td></td>
<td>RJ-11</td>
<td></td>
</tr>
<tr>
<td>DC-MD-8C-1</td>
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<td>RJ-45</td>
<td>3, 6 Gnd; 7, 8 NC</td>
</tr>
<tr>
<td>DC-MD-8C-2</td>
<td></td>
<td>RJ-45</td>
<td>1, 2 Gnd; 7, 8 NC</td>
</tr>
<tr>
<td>DC-MD-8C-3</td>
<td></td>
<td>RJ-45</td>
<td>4, 5, 7, 8 NC 100 Base T</td>
</tr>
</tbody>
</table>

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**To Order**: www.cablesandconnectors.com  •  **Phone**: 1860-665-9904  •  **Fax**: 1860-665-9993  © 2006 Pan Pacific Enterprise Co., Inc.
**LAN COMPONENTS**

- **Balun:** A device used to connect a **Balanced Line** (typically Twisted Pair Cables) and an **Unbalanced Line** (typically Coax Cables).
- **Baluns** are used to substitute UTP (Twisted Pair Cables) for Coax and are usually used in pairs.
- **Transmission Distance:** Generally effective up to 1000ft (330m) on 22/24 AWG Solid twisted pair cables. Some up to 2400ft (700m) see notes.

---

### VGA TO RJ45 BALUN

<table>
<thead>
<tr>
<th>Figure</th>
<th>Part #</th>
<th>Coax Connector</th>
<th>Modular Jack</th>
<th>Coax Impedance</th>
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<tbody>
<tr>
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<td>DC-1A-34</td>
<td>BNC Male</td>
<td>RJ11</td>
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<td>RJ45</td>
<td>3; 4</td>
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<td>RJ11**</td>
<td>3; 4</td>
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<td>BNC Male</td>
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<td>DC-1AP-34@</td>
<td>BNC Male with “Pigtal”</td>
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<td>BNC Male</td>
<td>RJ45</td>
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<td>D</td>
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<td>DC-1AS-34@</td>
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<td>E</td>
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<td>BNC Female</td>
<td>RJ45</td>
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<td>BNC Female</td>
<td>RJ11</td>
<td>3; 4</td>
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<tr>
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<td>DC-1C-25</td>
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<td>RJ11</td>
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<tr>
<td>F</td>
<td>DC-1C-34</td>
<td>Twinax Male</td>
<td>RJ11</td>
<td>3; 4</td>
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<tr>
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<td>DC-1C45-45</td>
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<td>5; 4</td>
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<td>3; 4</td>
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<td>N/A</td>
<td>DC-IIAP</td>
<td>BNC &amp; TNC Male, with “Pigtal”</td>
<td>RJ11</td>
<td>2; 3; 4; 5</td>
</tr>
</tbody>
</table>

**Note:** All baluns include both screw tap and modular jack unless otherwise noted.

* -- Screw Tap Only  
** -- Modular Jack Only  
@ -- Super Balun Transmission Distance of Up to 2400ft (700m)
LEGACY LAN COMPONENTS

IMPEDEANCE MATCHING ADAPTOR
- Save time and effort by allowing the use of existing Coaxial Cables on Networks that require different impedance, i.e. setting up Ethernet (50Ω) over existing ARCnet Cables (93Ω), by matching the impedance.
- BNC Jack to Jack Configuration
- Metal Enclosure with Impedance Marking for Cable to Devices Matching

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Impedance Matching</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC-B93F2F50</td>
<td>93Ω to 50Ω F/F</td>
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</tr>
<tr>
<td>DC-B75F2F50</td>
<td>75Ω to 50Ω F/F</td>
<td></td>
</tr>
<tr>
<td>DC-B93F2F75</td>
<td>93Ω to 75Ω F/F</td>
<td></td>
</tr>
</tbody>
</table>

DATA BALUNS
- Red Baluns: Compatible with IBM Type Red Baluns.
- Yellow Baluns: Compatible with IBM Type Yellow Baluns.
- Blue Baluns: For Thin-Net, 10 Base 2
- Green Balun: For IBM System/3X, AS/400; Twin-Ax
- Available W/Single or Dual BNC Configuration
- Impedance Matching Between Coax Signal and 150 ohm Shielded Twisted Pair Signal

Red Balun for IBM 3278 (Category A)
- DC-1D-10-RD D.C. to Single BNC, Compact Version
- DC-1D-11-RD D.C. to Single BNC, IBM 6339082
- DC-1D-12-RD D.C. to Dual BNC, IBM 6339083

Yellow Balun for IBM 3278 (Category B)
- DC-1D-20-YW D.C. to Single BNC, Compact Version
- DC-1D-21-YW Data Connector to Single BNC
- DC-1D-22-YW Data Connector to Dual BNC

Blue Balun for Thin net (10 Base 2)
- DC-1D-31-BLU Data Connector to Single BNC

Green Balun for IBM System/3X, AX/400
- DC-1D-51-GRN Data Connector to Twin-Ax Connector
- DC-1D-51B-GN Data Connector to Twin-Ax Female

Wang Balun (BNC/TNC)
- DC-1D-42-WNG Data Connector with BNC/TNC Adaptor

DATA CABLE ASSEMBLY

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC-M2-8'</td>
<td>Data Connector Patch Cable, 8ft (IBM#642551)</td>
<td></td>
</tr>
<tr>
<td>DC-M/D9-8'</td>
<td>Data Connector to DB9 Cable, 8ft (IBM#6339098)</td>
<td></td>
</tr>
<tr>
<td>DC-M-BNC-8'</td>
<td>Data Connector to BNC Cable, 8ft (IBM#6339073)</td>
<td></td>
</tr>
<tr>
<td>DC-M-BNC2-8'</td>
<td>Data Connector to 2 BNC Cable, 8ft (IBM#6091075)</td>
<td></td>
</tr>
<tr>
<td>DC-M-TWX-8'</td>
<td>Data Connector to Twinax Cable, 8ft (IBM#6091075)</td>
<td></td>
</tr>
</tbody>
</table>

Special Lengths Available, Please Call

MEDIA FILTERS
- Gold Plated Contacts, Both at D-Sub end & RJ-Jack end.
- Rugged Plastic Housing with Thumb Screw
- DB9 Male Connector to either RJ11 or RJ45 Jack.
- Allow IEEE 802.5 Token Ring Device Operating at either 4 or 16 Mbps to be Connected to Unshielded Twist Pair (UTP) Cables
- Allow Transmission Distance of up to 1000 ft at 4 MHZ and 400 ft at 16 MHZ with level 4 UTP

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC-MF-9MT6</td>
<td>DB9 Male to RJ11, 6c Jack</td>
<td></td>
</tr>
<tr>
<td>DC-MF-9MT8</td>
<td>DB9 Male to RJ45, 8c Jack</td>
<td></td>
</tr>
</tbody>
</table>

LEGACY LAN COMPONENTS

NETWORKING KITS
- Apple Talk® or Apple Phonet® Compatible Kit.
- Additional Mini Din Cable, Modular Cable and Mini Din Adaptor are Available.

<table>
<thead>
<tr>
<th>DC-AP-MAC</th>
<th>DB9 Connector &amp; Mini Din 3 ports</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC-AP-MACPL</td>
<td>Mini Din 8 Connector &amp; Mini Din 3 ports</td>
</tr>
<tr>
<td>DC-APM-MAC</td>
<td>DB9 Connector &amp; Modular Jack (RJ11) ports</td>
</tr>
</tbody>
</table>

DUAL PURPOSE CONNECTOR
- Gold plated Center Contact
- Complete, Ready for assembly, with BNC like front end and Screw-In Strain Relief

DC-DPC

COAX MULTIPLEXER
- For Cable Total Lengths not exceeding 5000ft. (1500m)
- Use RG62/U 93ohm Coax Cable
- 2 Ports on IBM3274

<table>
<thead>
<tr>
<th>DC-3A</th>
<th>Panel Mount Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC-3A1</td>
<td></td>
</tr>
</tbody>
</table>

ARCNET PASSIVE HUBS
- Use as the Center of the Star Configuration in Arcnets
- Wall Mount Passive Hub available with a set of Mounting Screws and a 93Ω Terminator

<table>
<thead>
<tr>
<th>DC-10A-1</th>
<th>Wall Mount unit, See Notes Above</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC-10A-2</td>
<td>Compact unit, Molded, Black</td>
</tr>
<tr>
<td>BNC-3063</td>
<td>93 Ω Terminator 1/2W, 5%</td>
</tr>
<tr>
<td>BNC-3063-1</td>
<td>93 Ω Terminator 1/2W, 1%</td>
</tr>
<tr>
<td>BNC-3063-2</td>
<td>93 Ω Terminator 1/2W, 1% with Grounding Chain</td>
</tr>
</tbody>
</table>

V.35 CONNECTORS
- Metal Shell, Plastic Housing
- Connectors used on High Speed Transmission Devices

<table>
<thead>
<tr>
<th>V35-HA</th>
<th>V DOT 35 Crimp Housing (Both M &amp; F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>V35-S-HP</td>
<td>Connector Hood and Male Housing Set, Pins Not Included</td>
</tr>
<tr>
<td>V35-S-HS</td>
<td>Connector Hood and Female Housing Set, Pins Not Included</td>
</tr>
<tr>
<td>V35-SH</td>
<td>Metal Connector Hood Only</td>
</tr>
<tr>
<td>V35-HP</td>
<td>Male Housing</td>
</tr>
<tr>
<td>V35-HS</td>
<td>Female Housing</td>
</tr>
<tr>
<td>V35-P/F</td>
<td>Female Pin, Gold Plated, Machine Type</td>
</tr>
<tr>
<td>V35-P/F-20AWG</td>
<td>Female Crimp Pins</td>
</tr>
<tr>
<td>V35-P/F-STMP</td>
<td>V DOT 35 Female Crimp Pin Stamped</td>
</tr>
<tr>
<td>V35-P/M</td>
<td>Male Pin, Gold Plated, Machine Type</td>
</tr>
<tr>
<td>V35-P/M-STMP</td>
<td>Male Crimp Pin Stamped on the Reel</td>
</tr>
<tr>
<td>V35-SCRSET</td>
<td>Screws (Set of Two) Only</td>
</tr>
</tbody>
</table>

TOOLS FOR V.35
- Ratchet Crimp tool for 14-22 AWG
- Female Pin Extractor
- Male pin Extractor

SEE PAGE 36 TOOLS
POWER STRIPS & PANEL RACKS

SURGE PROTECTED POWER STRIPS

Power strip with Circuit Breaker. Fire retardant plastic cover with Six Grounded Outlets (7 Outs on 7Ps). Reset Button and 4ft. (PS-PSPP-6P) or 6ft. (PS-PSPP-6P6 & PS-PSPP-7P). Power Cord. 3 MOV Full Surge Protection and EMI/RFI. (PS-PSPP-7P only) Protect equipment from electrical spikes and power surges. UL and CSA Listed.

- Electrical Rating: 125 V, 15 A, 1875Watts
- Clamping Voltage: 400 V (500 V pm 7Ps)
- Current Peak: 4000 A
- Response Time: 7 ~ 12 nanoseconds
- Energy Absorption: 50/150 Joules
- Power Cord: 14 AWG, UL SJT

---

LOADED PANELS

<table>
<thead>
<tr>
<th>Part #</th>
<th>High</th>
<th>Ports</th>
<th>Components Part No.</th>
<th>Remark/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WPK-25HS/T-24</td>
<td>2U</td>
<td>24</td>
<td>DH-25HS/T</td>
<td></td>
</tr>
<tr>
<td>WPK-B3191-16A</td>
<td>1U</td>
<td>16</td>
<td>BNC-3191</td>
<td></td>
</tr>
<tr>
<td>WPK-B3191-16B</td>
<td>2U</td>
<td>16</td>
<td>BNC-3191</td>
<td></td>
</tr>
<tr>
<td>WPK-B3191-24</td>
<td>2U</td>
<td>24</td>
<td>BNC-3191</td>
<td></td>
</tr>
<tr>
<td>WPK-B3191-2X8</td>
<td>2U</td>
<td>16</td>
<td>BNC-3191 Dual Row (8 Ports each)</td>
<td></td>
</tr>
<tr>
<td>WPK-B3191-32</td>
<td>2U</td>
<td>32</td>
<td>BNC-3191</td>
<td></td>
</tr>
<tr>
<td>WPK-B3192-16A</td>
<td>1U</td>
<td>16</td>
<td>BNC-3192</td>
<td></td>
</tr>
<tr>
<td>WPK-B3192-16B</td>
<td>2U</td>
<td>16</td>
<td>BNC-3192</td>
<td></td>
</tr>
<tr>
<td>WPK-B3192-24</td>
<td>2U</td>
<td>24</td>
<td>BNC-3192</td>
<td></td>
</tr>
<tr>
<td>WPK-B3192-32</td>
<td>2U</td>
<td>32</td>
<td>BNC-3192</td>
<td></td>
</tr>
<tr>
<td>WPK-B3193-16A</td>
<td>1U</td>
<td>16</td>
<td>BNC-3193</td>
<td></td>
</tr>
<tr>
<td>WPK-B3193-24</td>
<td>2U</td>
<td>24</td>
<td>BNC-3193</td>
<td></td>
</tr>
<tr>
<td>WPK-B3193-32</td>
<td>2U</td>
<td>32</td>
<td>BNC-3193</td>
<td></td>
</tr>
<tr>
<td>WPK-J10218-32</td>
<td>2U</td>
<td>32</td>
<td>DC-1021-8C-BK</td>
<td></td>
</tr>
<tr>
<td>WPK-LGC25FF16-B</td>
<td>2U</td>
<td>16</td>
<td>AD-LGC-25FF</td>
<td></td>
</tr>
<tr>
<td>WPK-WANG-32</td>
<td>2U</td>
<td>32</td>
<td>BNC-3192/TNC-3461</td>
<td></td>
</tr>
</tbody>
</table>

WRP-RACK
Grey Hammer tone finish, Mounting Rails Drilled & Tapped

WRP-RACK-TT
Table Top, Mounting Rails Drilled & Tapped
### SINGLE GANG

- **WP-09-1H** For DB9
- **WP-09-2H**
- **WP-15-1H** For DB15
- **WP-15-2H**
- **WP-25-1H** For DB25
- **WP-25-2H**

**WP-25/C** For DB25, Coax 1/2" dia.
**WP-25/M** For DB25, Keystone Jack
**WP-25/T11**
**WP-25/TW** For DB25, Twinax, 1 Hole
**WP-36-1H** For Centronics 36, 1 Hole

- **WP-C-(XX)H** For Coax FeedThru, 1/2" dia.
- **WP-C-(XX)H3/8** For Coax, 3/8" dia.
- **WP-C/M** For Coax, 1/2" dia.
- **WP-IBM-1** For Data Connector
- **WP-IBM/C** For Data & Coax

(XX) Indicates No. of Holes: 1, 2

**WP-IBM/M** For Data Connector, Keystone Jack 1 Hole
**WP-M-(XX)H** For Keystone Jack
(XX) Indicates No. of Holes: 1, 2, 3, 4, 6
**WP-TW-(XX)H** For Twinax
(XX) Indicates No. of Holes: 1, 2

**WPS** Blank Plate, Single Gang

### DOUBLE GANG

- **WP-15-1HD** For DB15, 1 Hole
- **WP-25-2HD** For DB25, 2 Holes
- **WP-25-4HD** For DB25, 4 Holes
- **WP-37-1HD** For DB3, Dual Gang, 1 Hole

**WP-25MD** For DB25 1 Hole, 2 Keystone, 2 Hole
**WP-C-2HD** For Coax, 1/2" DIA, 2 Holes
**WP-M-4D** For Keystone Jack, 4 Holes
**WPD** Blank Plate

### UNIVERSAL FITTING

- **WP-MA-2** Dual Port
- **WP-MA-4D** Quad Port, Double Gang

See Page 16 For Modular Frame
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRP-09-16</td>
<td>16 Port, For DB9, 3.5&quot; X 19&quot; (2U)</td>
</tr>
<tr>
<td>WRP-09-32/3U</td>
<td>32 Port, For DB9, 5.25&quot; X 19&quot; (3U)</td>
</tr>
<tr>
<td>WRP-15-16</td>
<td>16 Port, For DB15, 3.5&quot; X 19&quot; (2U)</td>
</tr>
<tr>
<td>WRP-25-16</td>
<td>16 Port, For DB25, 3.5&quot; X 19&quot; (2U)</td>
</tr>
<tr>
<td>WRP-25-32/4U</td>
<td>32 Port, For DB25, 7&quot; X 19&quot; (4U)</td>
</tr>
<tr>
<td>WRP-37-16</td>
<td>16 Port, For DB37, 3.5&quot; X 19&quot; (2U)</td>
</tr>
<tr>
<td>WRP-D50-16</td>
<td>16 Port, For DB50, 3.5&quot; X 19&quot; (2U)</td>
</tr>
</tbody>
</table>

**COAX**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRP-C-16 3/8&quot;</td>
<td>16 Port, Coax For 3/8&quot; dia. 3.5&quot; X 19&quot; (2U)</td>
</tr>
<tr>
<td>WRP-C-16/1U</td>
<td>16 Port, Coax, For 1/2&quot; dia. 1.75&quot; X 19&quot; (1U)</td>
</tr>
<tr>
<td>WRP-C-16</td>
<td>16 Port, Coax, For 1/2&quot; dia. 3.5&quot; X 19&quot; (2U)</td>
</tr>
<tr>
<td>WRP-C-24</td>
<td>24 Port, Coax, For 1/2&quot; dia. 3.5&quot; X 19&quot; (2U)</td>
</tr>
<tr>
<td>WRP-C-24 3/8&quot;</td>
<td>24 Port, Coax For 3/8&quot; dia. 3.5&quot; X 19&quot; (2U)</td>
</tr>
<tr>
<td>WRP-C-32</td>
<td>32 Port, Coax, For 1/2&quot; dia. 3.5&quot; X 19&quot; (2U)</td>
</tr>
</tbody>
</table>

**2 ROWS OF 8 PORTS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRP-C-2X8 3/8&quot;</td>
<td>6 Port, For 3/8&quot;, 3.5&quot; X 19&quot; (2U)</td>
</tr>
</tbody>
</table>

**DATA CONNECTOR**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRP-IBM-12</td>
<td>12 Port, Data Connector, 3.5&quot; X 19&quot; (2U)</td>
</tr>
<tr>
<td>WRP-IBM-12/1U</td>
<td>12 Port, Data Connector, 1.75&quot; X 19&quot; (1U)</td>
</tr>
<tr>
<td>WRP-IBM-16/3U</td>
<td>12 Port, Data Connector, 5.25&quot; X 19&quot; (3U)</td>
</tr>
</tbody>
</table>

**DATA & VOICE**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRP-IBM/M-12</td>
<td>12 Port Set, Data &amp; Voice, 3.5&quot; X 19&quot; (2U)</td>
</tr>
</tbody>
</table>

**VOICE CONNECTOR**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRP-M-12/1U</td>
<td>12 Port, 1.75&quot; X 19&quot; (1U)</td>
</tr>
<tr>
<td>WRP-M-12</td>
<td>12 Port, 3.5&quot; X 19&quot; (2U)</td>
</tr>
<tr>
<td>WRP-M-16</td>
<td>16 Port, 3.5&quot; X 19&quot; (2U)</td>
</tr>
<tr>
<td>WRP-M-24</td>
<td>24 Port, 3.5&quot; X 19&quot; (2U)</td>
</tr>
<tr>
<td>WRP-M-32</td>
<td>32 Port, 3.5&quot; X 19&quot; (2U)</td>
</tr>
<tr>
<td>WRP-M-48</td>
<td>48 Port, 3.5&quot; X 19&quot; (2U)</td>
</tr>
<tr>
<td>WRP-M-48/3U</td>
<td>48 Port, 5.25&quot; X 19&quot; (3U)</td>
</tr>
<tr>
<td>WRP-M-64/4U</td>
<td>64 Port, 7&quot; X 19&quot; (4U)</td>
</tr>
</tbody>
</table>

**UV FITTING** (See Page 16 for Modular Frame)

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRP-MA-12/1U</td>
<td>Blank plate, 1.75 X 19&quot;</td>
</tr>
<tr>
<td>WRP-MA-16/1U</td>
<td>Blank plate, 3.5&quot; X 19&quot;</td>
</tr>
<tr>
<td>WRP-MA-24</td>
<td>Blank plate, 3.5&quot; X 19&quot;</td>
</tr>
<tr>
<td>WRP-MA-32</td>
<td>Blank plate, 3.5&quot; X 19&quot;</td>
</tr>
</tbody>
</table>

**FOR TWINAX**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRP-TW-16</td>
<td>16 Port, For Twinax, 3.5&quot; X 19&quot; (2U)</td>
</tr>
<tr>
<td>WRP-TW-24</td>
<td>24 Port, For Twinax, 3.5&quot; X 19&quot; (2U)</td>
</tr>
<tr>
<td>WRP-TW-32</td>
<td>32 Port, For Twinax, 3.5&quot; X 19&quot; (2U)</td>
</tr>
</tbody>
</table>

**BLANK PLATE**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRP-19/1.75</td>
<td>Blank plate, 1.75 X 19&quot;</td>
</tr>
<tr>
<td>WRP-19/3.5</td>
<td>Blank plate, 3.5&quot; X 19&quot;</td>
</tr>
</tbody>
</table>
LOADED PANELS & WALL PLATES

BNC FEED THRU PLATE

- Screw Retaining Barrel Nut on Both Side
- Fitted w/ BNC Feed Thru (See Pg. 45)

<table>
<thead>
<tr>
<th>BNC Feed Thru Plate</th>
<th>(XXX) Indicates BNC Part Number: 3191, 3192, 3193</th>
</tr>
</thead>
<tbody>
<tr>
<td>WPK-B(XXX)-1</td>
<td>BNC Fitted WP-C-1H</td>
</tr>
<tr>
<td>WPK-B(XXX)-2</td>
<td>BNC Fitted WP-C-2H</td>
</tr>
<tr>
<td>WPK-B(XXX)-2D</td>
<td>BNC Fitted WP-C-2HD</td>
</tr>
</tbody>
</table>

TWINAX FEED THRU PLATE

- Screw Retaining Barrel Nut on Both Side
- Fitted w/ Twinax Feed Thru (See Pg. 58)

<table>
<thead>
<tr>
<th>Twinax Feed Thru Plate</th>
<th>(XXX) Indicates BNC Part Number: 3191, 3192, 3193</th>
</tr>
</thead>
<tbody>
<tr>
<td>WPK-TW3502-1</td>
<td>WP-TW-1H Fitted with TWX-3205</td>
</tr>
<tr>
<td>WPK-TW3502-2</td>
<td>WP-TW-2H Fitted with TWX-3205</td>
</tr>
<tr>
<td></td>
<td>TWX-3502</td>
</tr>
</tbody>
</table>

D-SUB CONNECTORS

<table>
<thead>
<tr>
<th>D-SUB Connectors</th>
<th>(X) Indicates No of Holes: 1, 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>WPK-09HS/T-(X)</td>
<td>9 HST</td>
</tr>
<tr>
<td>WPK-09P-2</td>
<td>DS-9P 2 Holes</td>
</tr>
<tr>
<td>WPK-25HS-2</td>
<td>DH-25HS</td>
</tr>
<tr>
<td>WPK-25HS/T-1</td>
<td>DH-25HS/T</td>
</tr>
<tr>
<td>WPK-25S-1</td>
<td>Single Gang Wall Plate, DS-25S, one port</td>
</tr>
</tbody>
</table>

KEYSTONE FEED THRU PLATE

- Loaded Wall Plate with Keystone and DB25PP

<table>
<thead>
<tr>
<th>Keystone Feed Thru Plate</th>
<th>(XXX) Indicates BNC Part Number: 3191, 3192, 3193</th>
</tr>
</thead>
<tbody>
<tr>
<td>WPK-M6C-25P/T</td>
<td>Loaded Wall Plate with Keystone and DB25PP</td>
</tr>
<tr>
<td>WPH-103B-F-IV</td>
<td>“F” Loaded Wall Plate (Ivory)</td>
</tr>
<tr>
<td>WPH-103B-F-WH</td>
<td>“F” Loaded Wall Plate (White)</td>
</tr>
</tbody>
</table>

BNC SOLDER JACK LOADED PANEL

<table>
<thead>
<tr>
<th>BNC Solder Jack Loaded Panel</th>
<th>(XXX) Indicates BNC Part Number: 3194, 3194T, 3195, 3196, 3199, 7194, 7194T</th>
</tr>
</thead>
<tbody>
<tr>
<td>WPK-B(XXX)-16</td>
<td>BNC Fitted WRP-C-16-3/8”</td>
</tr>
<tr>
<td>WPK-B(XXX)-24</td>
<td>BNC Fitted WRP-C-24-3/8”</td>
</tr>
<tr>
<td>WPK-B(XXX)-32</td>
<td>BNC Fitted WRP-C-32-3/8”</td>
</tr>
</tbody>
</table>

BNC FEED THRU LOADED PANEL

<table>
<thead>
<tr>
<th>BNC Feed Thru Loaded Panel</th>
<th>(L) Indicates Panel Height: A for 1.75” B for 3.5”</th>
</tr>
</thead>
<tbody>
<tr>
<td>WPK-B(XXX)-16</td>
<td>BNC Fitted WRP-C-16</td>
</tr>
<tr>
<td>WPK-B(XXX)-24</td>
<td>BNC Fitted WRP-C-24</td>
</tr>
<tr>
<td>WPK-B(XXX)-32</td>
<td>BNC Fitted WRP-C-32</td>
</tr>
</tbody>
</table>

| (XXX) Indicates BNC Part Number: 3191, 3192, 3193 |

TWINAX CONNECTOR LOADED PANEL

<table>
<thead>
<tr>
<th>Twinax Connector Loaded Panel</th>
<th>(XXX) Indicates TWX Part Number: 3502, 3504</th>
</tr>
</thead>
<tbody>
<tr>
<td>WPK-TW(XXX)-16</td>
<td>TWX Fitted WRP-TW-16</td>
</tr>
</tbody>
</table>


TOOL BODY

PHT-76-140

For “punching” solid conductor wires into terminal block or cut off short wire end after termination.

• Frame made with polyacepal resin and fiber glass.
• Impact pressure adjustable control: Turn the dial clockwise to H when inserting large wires, which indicate a pressure of 15 ± 2 Kg. Or turn to L for standard wires, with a pressure of 10 ± 2 Kg.
• Storage space at the back end of the handle for one extra blade.

PHT-76-240

With impact function but without impact pressure adjusting control.

PHT-76-340

Economic model, comes without impact function and impacting adjusting control.

PHT-76-CSTT

BLADES

PHT-76 Series Blades

Blades made with SNCM-21 and hardened. All are interchangeable and reversible. Blades are easy to change without screwdriver.

BLADE TERMINAL BLOCK

PHT-76-066 For Use on 66 Type

PHT-76-011 For Use on 110 Type

PHT-76-061 For Both Use on 66 & 110 Type (No cutting blade)

PHT-76-0K For Use on Krone Type

COMBINATIONS FOR BODIES AND BLADES

<table>
<thead>
<tr>
<th>PHT-76-140</th>
<th>PHT-76-240</th>
<th>PHT-76-340</th>
<th>Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHT-76-146</td>
<td>PHT-76-246</td>
<td>PHT-76-346</td>
<td>Body with Blade PHT-76-066</td>
</tr>
<tr>
<td>PHT-76-141</td>
<td>PHT-76-241</td>
<td>PHT-76-341</td>
<td>Body with Blade PHT-76-011</td>
</tr>
<tr>
<td>PHT-76-146</td>
<td>PHT-76-246</td>
<td>PHT-76-346</td>
<td>Body with Blade PHT-76-061</td>
</tr>
<tr>
<td>PHT-76-14K</td>
<td>PHT-76-24K</td>
<td>PHT-76-34K</td>
<td>Body with Blade PHT-76-0K</td>
</tr>
</tbody>
</table>

BASIC MODELS

(With Built-in Cutter & Stripper)

PHT-110-6/4M 6P6, 6P4 (Economic Modular)

PHT-120-4C For Handset Plugs

PHT-120-6C For RJ11 Plugs

PHT-120-6DEC For RJ11 DEC Type Plugs

PHT-120-8C For RJ45 Plugs

PHT-120-10C For 10p10c Plugs

PHT-121-6C For RJ11 Plugs

PHT-121-8C For RJ45 Plugs

PHT-120-CS-KT Replace Blade Kit for PHT-120-10C

PLASTIC MODELS (with Stripper)

PHT-110-44 For Handset

PHT-110-64 For RJ11-4C

PHT-110-66 For RJ11-6C

PHT-110-864 For Handset, RJ11 and RJ45 plugs

PHT-110-44 For Handset

PHT-110-64 For RJ11-4C

PHT-110-66 For RJ11-6C

PHT-110-864 For Handset, RJ11 and RJ45 plugs

SPECIAL MODELS

PHT-68-45-U

For both standard type and AMP type 8p8c RJ-45 plugs. Rachet mechanism, vertical crimping motion for precision fitting of plugs. Great for Cat5 8p8c plugs with inserts. (Pan # PT-0588 series)

PHT-68-45-S

For shielded RJ45 plugs, including Herose type modular plugs. Rachet mechanism, vertical crimping motion for precision fitting of plugs.

TOOLS FOR V.35

PHT-98-601 Ratchet Crimp tool for 14-22 AWG

PHT-V35-MCH Crimping tool for D-SUB Machine Pins

PHT-V35-XTR/F Female Pin Extractor

PHT-V35-XTR/M Male pin Extractor
7.5” PROFESSIONAL MODULAR CRIMPING TOOL

- Traditional horizontal crimping motion
- Durable steel construction

7.6” PROFESSIONAL MODULAR CRIMPING TOOL

- Vertical crimping motion for precision fit of the punches
- Zinc alloy die cast sockets for precise fitting of the plugs

8” PROFESSIONAL MODULAR CRIMPING TOOL

- Multi-functional, will crimp plugs designed for either solid or stranded conductors. Work with all standard plugs; including those manufactured by AMP, SS and AT&T licensed, etc.

- PHT-68-200 & PHT-68-201 are designed with 10 position punches for crimping 10p10c plugs or 8p8c plugs with cavities on the sides, such as the AMP 8P8C plugs. (see fig.1)

- PHT-68-208 & PHT-68-209 are designed with 8 position punches for crimping the standard 8P8C plugs, it is not suitable for crimping 10P10C plugs.

- PHT-68-201 & PHT-68-209 with ratchet mechanism.

- All made with layered metal for maximum durability.
- Built in cutter & stripper, with cutter on the back side.
- Length guide included for cutting and stripping.
- Vertical crimping motion for better punch-plug fit.

<table>
<thead>
<tr>
<th>PHT-68 Series</th>
<th>10p10c</th>
<th>8p8c Standard RJ-45</th>
<th>8p8c Cavitated RJ-45</th>
<th>6p6c Wall Outlet</th>
<th>6p6c DEC Type</th>
<th>4p4c Handset</th>
<th>Ratchet Mechanism</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
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IDC PLIERS

PHT-37-214 9-1/2” IDC Crimping Fixture Steel Frame for Crimping IDC Connectors. Heights from 6mm to 27.5mm.

PHT-37-215 9-1/2” Fixture Steel Frame W/Attachment for Crimping DIP plugs. Distance 0.1”, 0.3”, and 0.6” (Within 40 points)

- Attachment Frames

NEW
# CRIMPING TOOLS

## PHT-98 SERIES
- Ratchet Crimp Tool for 14-22AWG

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHT-98-601</td>
<td>For Non-Insulated Open Barrel &amp; D-SUB V35 Connector</td>
</tr>
<tr>
<td>PHT-98-602</td>
<td>Pin Terminal Insulated or Non-Ferrules</td>
</tr>
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<td>PHT-98-603</td>
<td>Pin Terminal Insulated or Non-Ferrules</td>
</tr>
<tr>
<td>PHT-98-604</td>
<td>Internal Locking &amp; Non-Insulated</td>
</tr>
<tr>
<td>PHT-98-605</td>
<td>For Non-Insulated terminal</td>
</tr>
<tr>
<td>PHT-98-606</td>
<td>For Insulated terminal</td>
</tr>
<tr>
<td>PHT-98-607</td>
<td>Vinyl Insulated W/O Copper Sleeve</td>
</tr>
<tr>
<td>PHT-98-608</td>
<td>For Insulated terminal</td>
</tr>
<tr>
<td>PHT-98-609</td>
<td>For Insulated terminal</td>
</tr>
<tr>
<td>PHT-98-610</td>
<td>For B Type Connector</td>
</tr>
</tbody>
</table>

## DIE for PHT-98 SERIES

DIE for PHT-98 SERIES:

\[ \text{PHT-98-Series} : \text{PHT-73-001} + \text{PHT-98D-XXX} = \text{PHT-98-XXX} \]

### Non-Insulated Open Barrel
- AWG 14-22

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>PHT-98D-601</td>
<td>Non-Insulated Open Barrel</td>
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</table>

### Pin Terminal Insulated or Non-Insulated Ferrules
- AWG 14-22

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>PHT-98D-602</td>
<td>Pin Terminal Insulated or Non-Insulated Ferrules</td>
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</table>

### Pin Terminal Insulated or Non-Insulated Ferrules
- AWG 10, 8, 6

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHT-98D-604</td>
<td>Inter-Locking &amp; Non-Insulated</td>
</tr>
</tbody>
</table>

### Inter-Locking & Non-Insulated
- AWG 20-18, 16-14, 12-10

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHT-98D-607</td>
<td>Vinyl Insulated w/o Copper Sleeve</td>
</tr>
</tbody>
</table>

### Non-Insulated Terminal
- AWG 20-18, 16-14, 12-10, 8

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHT-98D-605</td>
<td>Non-Insulated Terminal</td>
</tr>
</tbody>
</table>

### For Insulated Terminal
- AWG 22-18, 16-14, 12-10

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHT-98D-606</td>
<td>For Insulated Terminal</td>
</tr>
</tbody>
</table>

### Vinyl Insulated w/o Copper Sleeve
- AWG 22-18, 16-14, 12-10

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHT-98D-608</td>
<td>For Insulated Terminal</td>
</tr>
</tbody>
</table>

### For Insulated Terminal
- AWG 22-18, 16-14, 12-10

<table>
<thead>
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<th>Part No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>PHT-98D-609</td>
<td>For Insulated Terminal</td>
</tr>
</tbody>
</table>

### B-Type Connector
- AWG 14, 12-10, 8, 6

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHT-98-610</td>
<td>B-Type Connector</td>
</tr>
</tbody>
</table>

Die is Unchangeable