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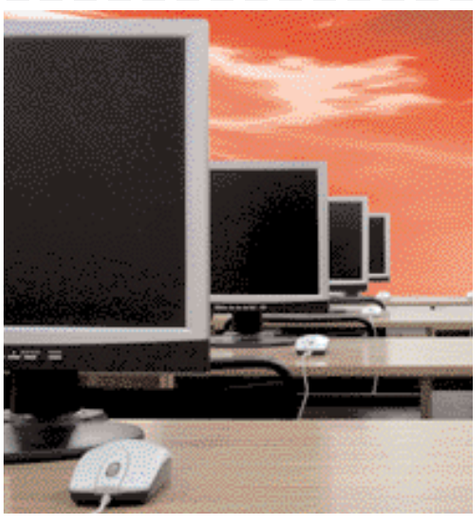
Connectivity....for
Business-Critical Continuity

# *Connectivity and Structured Cabling*

## *Product Catalog*



**Connectivity Solutions**

EMERSON™
Network Power

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EMERSON™
Network Power

To our valued customers:

For over 25 years, Aim Electronics and Cambridge Products have been providing our electronics distributors and OEM customers with cost-effective, high-quality solutions for connectivity. Since becoming part of Emerson in 2000, we have continued the tradition of offering these separately branded product lines to our customers. However, we believe that now is the right time to bring them together and leverage our strengths into one product line offer.

This catalog marks the first step of combining the power and the product lines of AIM and Cambridge under the name of *Emerson Network Power Connectivity Solutions.* We will be making this transition over a period of time and you will continue to see the AIM and Cambridge names used; however, the overriding message will be that of *Emerson Network Power Connectivity Solutions.* We believe this name not only reflects our traditional industry focus, but also better communicates the additional resources that we can supply as part of Emerson Network Power.

Although our name is changing, our commitment to product quality and to excellent service to our customers will not. Our combined connectivity product line will continue to focus on the installer and OEM market for data networks, satellite, security systems, telemetry and CATV. This catalog details our offering of coaxial connectors, cable assemblies, structured cabling solutions, tools, fiber optics and CATV components to support your application needs and those of your customers. As part of *Emerson Network Power Connectivity Solutions,* our goal is to continue to expand our product offerings and capabilities to continue to meet your changing needs.

Thank you for allowing us the opportunity to serve you.

Best Regards,

Brian Mason
President
Emerson Network Power
Connectivity Solutions

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*We have been offering a complete line of quality RF connectors for over 25 years. Available in 50 and 75 ohm versions, these connectors are designed to offer the highest quality data transmission for audio, video and data applications, and are available in BNC, 'N' UHF, Mini-UHF, TNC, SMA and 'F' versions. If you are looking for preassembled RF cables, our custom cable department offers the capability to build any assembled or molded cable to your custom length or configuration using any of these connectors and more.*

## 75 Ohm BNC Connectors

### Electrical Characteristics

| | |
|---|---|
| *Impedance* | 75 Ohm |
| *Working voltage* | 500 volts, RMS at sea level |
| *Frequency range* | 0-2 GHz with low reflection |
| *Contact resistance* (.000050 gold) | Outer-0.2 milliohms<br>Center-2.1 milliohms |
| *Insulation resistance* | 5,000 megohms minimum |
| *Dielectric withstanding voltage* | 1,500 volts, RMS at sea level |
| *Corona Level* | 375 volts minimum at 70,000 ft. |

### Environmental Characteristics

| | |
|---|---|
| *Recommended temperature range* | -55 C to +85 C |
| *Vibration* | MIL-Std. 202 |
| *Shock* | MIL-Std. 202, 100Gs |
| *Moisture resistance* | MIL-Std. 202 |

### Mechanical Characteristics

| | |
|---|---|
| *Durability* | 500 Cycles (.000050 gold) |
| *Force to engage/disengage* | 3 lbs. maximum |
| *Coupling nut retention* | 60 lbs. maximum |
| *Cable retention* | 60 lbs. with 95% braid coverage - RG58c/u cable |

### Materials

| | |
|---|---|
| *Body* | Zinc |
| *Contact* | Brass |
| *Spring washer* | Berilium copper |
| *Insulator* | Teflon |
| *Plating* | Body - Nickel<br>Contact - Gold |

## Crimp-On 75 Ohm 3-Piece BNC Connectors

**Crimp BNC (M)**
*3 Piece*

| Part No. | Compatible Cable | Crimper | Stripper |
|---|---|---|---|
| 28-91007 (CPMC782) | Belden 1505A, RG-59, RG-62 | 24-9959P | 24-7732P |
| 28-91027 (CPMC785) | Belden RG-6 | 24-8856P | 24-7733P |
| 28-91037 (CPMC7810) | Belden 1506A, RG-59TFE & RG-62TFE | 24-9958P | 24-7733P |
| 28-91047 (CPMC783) | Belden 8281, 9141, 9231 | 24-8859P | 24-7733P |
| 28-91057 (CPMC7818) | Belden 8218, 1855A, 735A | 24-9912P | 24-7734P |
| 28-91457 | Belden 9248, 1694A | 24-8856P | 24-7733P |
| 28-91477 | Belden 8221, 8241, 8263, 8279, 9244 | 24-8789P | 24-7736P |
| 28-91507 | Belden 82259, 89259 | 24-8789P | 24-7736P |
| CPMC7820 | RG-179, RG-187 | 24-9912P | 24-7733P |

**Solder or Crimp BNC (M)**
*3 Piece*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 28-90237 | RG-59 & 62 | 24-8789P |
| 28-90257 | RG-59 & 62TFE | 24-9958P |

(M) = Male Plug (F) = Female Socket

## Crimp-On 75 Ohm 2-Piece BNC Connectors

**Crimp BNC (M)**
*2 Piece, Solderless*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 28-90007 (CP782) | RG-59 & 62 | 24-9859P |
| 28-90027 (CP785) | RG-6 | 24-321P |
| 28-90097 (CP7810) | RG-59 & 62TFE | 24-9858P |

**Crimp BNC (F)**
*2 Piece, Solderless*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 28-90137 | RG-59 & 62 | 24-9859P |
| 28-90157 | RG-59 & 62TFE | 24-9858P |

**Right Angle, Crimp BNC (M)**
*2 Piece, Solderless*

| Part No. | Cable Type |
|---|---|
| 28-90047 | RG-59 & 62 |

## Twist-On 75 Ohm BNC Connectors

**Twist-On BNC (M)**
*1 Piece*

| Part No. | Cable Type |
|---|---|
| 28-90507 (CPFIUG782) | RG-59 & 62 |
| 28-90527 (CPFIUG785) | RG-6 |
| 28-90547 | RG-59 & 62TFE |

**Twist-On BNC Jack (F)**
*1 Piece, Field Installable*

| Part No. | Cable Type |
|---|---|
| 28-90537 (CPFIUG792) | RG-59 & 62 |
| 28-90337 | RG-59 & 62TFE |

**Right Angle, Twist-On BNC (M)**
*1 Piece, Solderless*

| Part No. | Cable Type |
|---|---|
| 28-90567 | RG-59 & 62 |
| 28-90577 | RG-59 & 62TFE |

## 75 Ohm BNC Adapters

**In-Line Splice**
*BNC (F) to BNC (F)*

**Part No.** 28-74307

**Right Angle**
*BNC (M) to BNC (F)*

**Part No.** 28-81507

**1/2" Chassis Mount**
*BNC (F) to BNC (F)*

**Part No.** 28-84707 (CPAD557)

**'T' Adapter**
*3 Female (F-F-F)*

**Part No.** 28-81417

**BNC (M) to 'F' (F)**

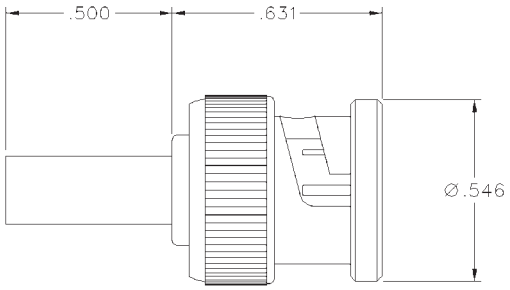
**Part No.** 28-75007

**BNC (F) to 'F' (M)**

**Part No.** 28-81007

(M) = Male Plug (F) = Female Socket

# True 75 Ohm BNC Connectors




**Crimp BNC (M)**
*3 Piece, solder or crimp captivated contact*

**Electrical Characteristics**

| | |
|---|---|
| Impedance | 75 Ohm |
| Frequency range | 0-3 GHz |
| VSWR: | 1.10 + .03 F (F in GHz) BNC Cabled Plugs |
| | 1.03 + .02 F (F in GHz) BNC Adapters |
| Working voltage | 500 VRMS at sea level |
| Dielectric withstanding voltage: | 1500 VRMS at sea level |
| Insulation resistance | 5000 megohms minimum |
| Contact resistance: | Outer - Initial 2.5 milliohm max (nickel plated), after environmental 3.5 milliohm max<br>Center - Initial 3 milliohm max, after environmental 4 milliohm max<br>Braid to Body - 2.5 milliohm max (nickel plated), after environmental not applicable |
| Corona level | 75 volts minimum at 70,000 feet |
| RF High Potential Withstanding Voltage | 700 VRMS at 4 and 7 MHz |

**Environmental Characteristics**

(Meets or exceeds the applicable paragraph of MIL-C-39012)

| | |
|---|---|
| Thermal shock: | MIL-STD-202, Method 107 |
| Operating temperature | -65O C to +165O C |
| Corrosion | MIL-STD-202, Method 101, Condition B |
| Shock | MIL-STD-202, Method 213, Condition B |
| Vibration | MIL-STD-202, Method 204, Condition B |
| Moisture resistance | MIL-STD-202, Method 10 |

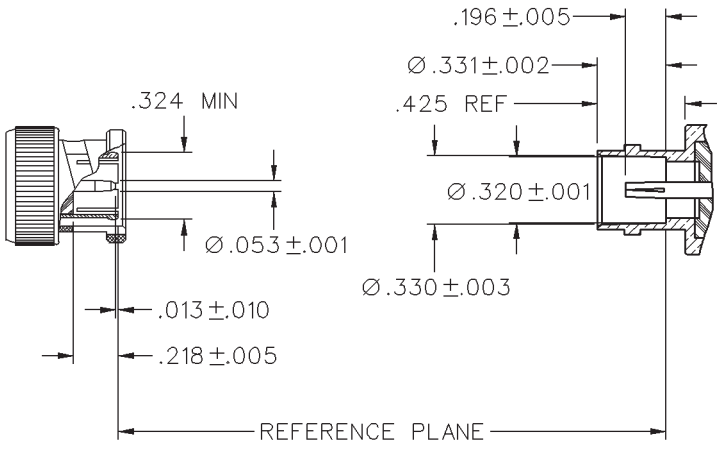
**Mechanical Characteristics**

| | |
|---|---|
| Durability | 500 cycles min |
| Force to engage/disengage | 5 lbs. max, after durability 5 lbs max; 1 lb. min. |
| Coupling nut retention | 100 lbs. min |
| Contact retention | 6 lbs. min axial force |

**Material Specifications**

| | |
|---|---|
| Body | Brass, nickel plated .0001 min over copper plated .00005 min |
| Contact | Brass, gold plated .00005 min over nickel plated .00005 min over copper plated .00005 min |
| Crimp Sleeve | Copper, nickel plate .0001 min over copper plated .00005 min |
| Nut | Zinc, nickel plated over copper plated |
| Insulator | Teflon |
| Spring Washer | Beryllium Copper (unplated) |
| Flat Washer | Steel, nickel plated |
| Gasket: | Silicone rubber |

| Part No. | Cable Type | Contact I.D. | Body I.D. | Sleeve I.D. |
|---|---|---|---|---|
| CPMC682 | RG-59, 140, 302, Belden 9209A, 8279, 8241, 8263, Commscope 5563, Gepco VJ59U | .028 (0.71) | .152 (3.86) | .252 (6.40) |
| CPMC683 | Belden 8281, 9231, 9141, 728A, Commscope 7501, VP618VC | .036 (0.91) | .203 (5.16) | .330 (8.38) |
| CPMC685 | RG-6, Belden 8215 | .033 (0.84) | .191 (4.85) | .355 (9.01) |
| CPMC6810 | Belden 82108, 89108, Coleman 99969 | .036 (0.91) | .149 (3.78) | .234 (5.94) |
| CPMC6818 | Belden 8218 | .021 (0.53) | .105 (3.81) | .180 (4.57) |
| CPMC6820 | RG-179, 187, Belden 1520A | .016 (0.53) | .067 (1.70) | .128 (3.25) |
| CPMC6833 | Belden 735A, Commscope 735, Helex/Hitemp 735, BT3002, TZC75024 | .021 (0.53) | .082 (2.08) | .160 (4.06) |
| CPMC6834 | Belden 1855A, 720A, Commscope 7538, Gepco VDM 230, VDM 250, Mini-75 | .028 (0.71) | .105 (3.81) | .180 (4.57) |
| CPMC6835 | Belden 1505A, 734A, Commscope 5565, Gepco VPM2000 | .036 (0.91) | .152 (3.86) | .252 (6.40) |
| CPMC6836 | Belden 1695A, 633938, Gepco VSD 2001TS, Commscope 2277V | .044 (1.12) | .176 (4.47) | .265 (6.73) |
| CPMC6845 | Belden 1694A, 9248, 1152, Commscope 5765, 2227K, Gepco VSD 2001, RG-6 Quad .275 (6.98) Max O.D. | .044 (1.12) | .187 (4.75) | .290 (7.37) |
| CPMC6850 | Belden 1506A, 82259, 89259, Gepco VPM2000TK, VPM2000TS | .036 (0.91) | .138 (3.51) | .234 (5.94) |




(M) = Male Plug (F) = Female Socket

## Twist-On 50 Ohm BNC Connectors

**Twist-On BNC (M)**
*Piece, Crimpless & Solderless*

| Part No. | Cable Type |
|---|---|
| 27-9050 (CPFIUG882) | RG-59 & 62 |
| 27-9051 (CPFIUG881) | RG-58 |
| 27-9052 (CPFIUG885) | RG-6 |
| 27-9054 (CPFIUG8810) | RG-59 & 62TFE |
| 27-9058 | Belden 8281 |
| 27-9059 | RG-58TFE |
| CPFIUG884 | RG-MATV-59 |

**Right Angle, Twist-On BNC (M)**
*1 Piece, Crimpless & Solderless*

| Part No. | Cable Type |
|---|---|
| 27-9036 | RG-58 |
| 27-9038 | RG-6 |
| 27-9056 | RG-59 & 62 |
| 27-9057 | RG-59 & 62TFE |

**Twist-On BNC (F)**
*1 Piece, UG-89*

| Part No. | Cable Type |
|---|---|
| 27-9032 | RG-6 |
| 27-9033 | RG-59 & 62TFE |
| 27-9053 (CPFIUG892) | RG-58, 59 & 62 |

## Chassis Mount 50 Ohm BNC Connectors

**Solder to BNC (F)**
*3/8" Mounting Hole, UG-1094U*

| Part No. |
|---|
| 27-8460 (CPI094U) |

**Dual BNC (F)**
*1/2" Chassis Mount Hole, UG-492*

| Part No. |
|---|
| 27-8470 |

**Isolated Dual BNC (F)**
*1/2" & 5/8" Chassis Mount Hole*

| Part No. |
|---|
| 27-8471 (CPAD521) |

**Isolated BNC (F)**
*3/8" Chassis Mount Hole*

| Part No. |
|---|
| 27-8461 (CPAD520) |

## BNC Terminators & Attenuator Pads

**BNC Terminators**
*1/2 W @ 1%, with and without Grounding Strap*

| Ohms | Color | w/Strap | w/o Strap |
|---|---|---|---|
| 50 Ohms | Green | 27-9245 | 27-9008 |
| 75 Ohms | Purple | 27-9246 | 27-9007 (CP88T75) |

**BNC (M) to BNC (F) Attenuator Pads**
*1/2 W @ 5%, 50 Ohms*

| Part No. | Rating |
|---|---|
| 27-9300-3 | 3db |
| 27-9300-6 | 6db |
| 27-9300-10 | 10db |
| 27-9300-20 | 20db |

(M) = Male Plug (F) = Female Socket

## 2-Piece Crimp-On 50 Ohm BNC Connectors

**Crimp BNC (M)**
*2 Piece, Solderless*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 27-9000 (CP882) | RG-59, 62 | 24-9859P |
| 27-9001 (CP881) | RG-58 | 24-9858P |
| 27-9002 (CP885) | RG-6 | 24-321P |
| 27-9006 | Belden 8281 | 24-8866P |
| 27-9009 (CP8810) | RG-59, 62TFE | 24-9858P |
| 27-9200 | RG-58AU | 24-9858P |
| 27-9204 | RG-58TFE | 24-9858P |
| 27-9207 | RG-58 Thin Net | 24-9858P |
| 27-9209 | RG-6TFE | 24-9858P |
| 27-9210 (CP884) | RG-59, 62 MATV (20-24 AWG) | 24-9859P |

**Crimp BNC (F)**
*2 Piece, UG-89*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 27-9003 (CP892) | RG-59 & 62 | 24-9859P |
| 27-9013 | RG-6 | 24-9859P |
| 27-9014 (CP891) | RG-58 | 24-9858P |
| 27-9015 | RG-59 & 62TFE | 24-9858P |

**Crimp BNC (M) with (2) Ferrules,**
*2 Piece. One Connector Two **Ferrules** to fit Multiple Size Cables.*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 27-9010 | RG-58, 59 & 59TFE | 24-9960P |
| 27-9012 | RG-58 & 58TFE | 24-9960P |

**Right Angle, Crimp BNC (M)**
*2 Piece, Solderless*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 27-9004 | RG-59 & 62 | 24-9859P |

## 3-Piece Crimp-On 50 Ohm BNC Connectors

**Solder or Crimp BNC (M)**
*3 Piece*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 27-9022 | RG-58 | 24-9858P |
| 27-9023 | RG-59 & 62 | 24-8789P |

**Crimp BNC (M) with (2) Ferrules**
*3 Piece. One Connector Two **Ferrules** to fit Multiple Size Cables.*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 27-9189 (CPMC8821) | RG-59 & 59TFE | 24-8860P |
| 27-9190 (CPMC8822) | RG-58 & 59 | 24-8860P |
| 27-9191 (CPMC8823) | RG-58 & 58TFE | 24-8860P |

**Crimp BNC (M)**
*3 Piece, Commercial-Mil*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 27-9100 (CPMC882) | RG-59 & 62, 140, 210 | 24-9959P |
| 27-9101 (CPMC881) | RG-58, 141 | 24-9958P |
| 27-9102 (CPMC885) | RG-6 | 24-8856P |
| 27-9103 (CPMC8810) | RG-59 & 62 Teflon | 24-9958P |
| 27-9104 (CPMC883) | Belden 8281 | 24-8861P |
| 27-9105 (CPMC8819) | RG-174, 187, 188 & 316 | 24-9912P |
| 27-9108 (CPMC8817) | RG-8x Mini 8 | 24-9912P |
| 27-9119 | Belden 89907 | 24-9959P |
| 27-9201 | RG-58 AU | 24-9958P |
| 27-9205 (CPMC8811) | RG-58 Teflon | 24-9958P |
| 27-9208 | RG-58 Thin Net, Belden 9907 | 24-9958P |
| 27-9235 | RG-122 | 24-9912P |
| 27-9236 (CPMC813) | RG-142, 400, 223 | 24-9958P |
| 27-9241 | RG-179 | 24-9912P |
| 27-9254 (CPMC8818) | Belden 8218 | 24-9912P |
| 27-9293 (CPMC8826) | RG-11 | 24-7712P |

## 6-Piece Screw-On 50 Ohm BNC Connectors

**Screw-On BNC (M)**
*Solder, 6 Piece*

| Part No. | Cable Type |
|---|---|
| 27-9020 | RG-59, 62 (UG-260U) |
| 27-9021 | RG-58 (UG-88U) |

(M) = Male Plug (F) = Female Socket

## 50 Ohm BNC Adapters

**In-Line Splice**
*BNC (F) to BNC (F), UG-914/U*

**Part No.**
25-7430 (CPAD555)

**BNC (M) to BNC (M)**

**Part No.**
27-8130 (CPAD511)

**BNC 'T' Adapter**
*3 Female (F-F-F)*

**Part No.**
27-8141 (CPAD506)

**BNC 'T' Adapter**
*1 Male - 2 Female (F-M-F), UG-274/U*

**Part No.**
27-8140 (CPAD505)

**BNC Goalpost 'T' Adapter**
*1 Male - 2 Female (F-M-F)*

**Part No.**
27-9294

**BNC 'T' Adapter**
*3 Male (M-M-M)*

**Part No.**
27-8142 (CPAD510)

**BNC (F) to RCA (M)**

**Part No.**
27-8110 (CPAD501)

**BNC (M) to RCA (F)**

**Part No.**
25-7510 (CPAD515)

**BNC (F) to TNC (M)**

**Part No.**
27-8250 (CPAD300)

**BNC (F) to 'F' (M)**

**Part No.**
27-8100 (CPAD502)

**BNC (M) to 'F' (F)**

**Part No.**
25-7500 (CPAD506)

**Right Angle**
*BNC (F) to BNC (M)*

**Part No.**
27-8150 (CPAD503)

**BNC (M) to UHF (F)**

**Part No.**
25-7420 (CPAD512)

**BNC (F) to UHF (F)**

**Part No.**
25-7365

**BNC (F) to UHF (M)**

**Part No.**
27-8120 (CPAD500)

**BNC (F) to Mini-UHF (M)**

**Part No.**
29-4150 (CPAD509)

**BNC (F) to 'N' (F)**
*UG-606/U*

**Part No.**
26-8018 (CPAD806)

**BNC (M) to 'N' (F)**
*UG-349/U*

**Part No.**
26-8017 (CPAD807)

**BNC (F) to SMA (F)**

**Part No.**
29-3835 (CPAD507)

**BNC (F) to SMA (M)**

**Part No.**
29-3855 (CPAD508)

## 50 Ohm 'N' Connectors

**Crimp 'N' (M)**
*3 Piece, Crimp Center Pin*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| CPN8/110 | RG-8 w/110 Center Cond. | 24-7712P |
| CPN8 | RG-8, 11, 213 | 24-7712P |
| CPN1 | RG-58 | 24-9960P |
| CPN2 | RG-59 & 62 | 24-9960P |
| CPN17 | RG-8x | 24-9960P |

**'N' (M)**
*Solder Center Pin, UG-21B/U*

| Part No. | Cable Type |
|---|---|
| 26-8000 | RG-8, 11, 213, 214 |

## 50 Ohm 'N' Adapters

**Inline Splice**
*'N' (M) to 'N' (M), UG-57B/U*

| Part No. |
|---|
| 26-8009 (CPAD800) |

**Inline Splice**
*'N' (F) to 'N' (F), UG-29B/U*

| Part No. |
|---|
| 26-8010 (CPAD851) |

**Chassis Mount**
*'N' (F) to Solder Lug UG-58B/U*

| Part No. |
|---|
| 26-8011 (CPAD801) |

**Right Angle**
*'N' (M) to 'N' (F), UG-27/U*

| Part No. |
|---|
| 26-8012 |

**'N' (F) to BNC (M)**
*UG-349/U*

| Part No. |
|---|
| 26-8017 (CPAD807) |

**Chassis Mount 'N' (F)**

| Part No. |
|---|
| 26-8013 |

**'N' (M) to BNC (F)**
*UG-201U*

| Part No. |
|---|
| 26-8016 (CPAD809) |

**'N' (M) to UHF (F)**
*UG-146/U*

| Part No. |
|---|
| 26-8015 (CPAD808) |

**'N' (F) to BNC (F)**
*UG-606/U*

| Part No. |
|---|
| 26-8018 (CPAD806) |

**'N' (F) to UHF (M)**
*UG-83/U*

| Part No. |
|---|
| 26-8014 |

**'N' (M) to 'F' (F)**

| Part No. |
|---|
| 26-8020 (CPAD811) |

**'N' (M) to SMA (F)**

| Part No. |
|---|
| 29-3840 (CPAD810) |

## 50 Ohm 'N' Terminators

**'N' Terminator (M)**
*1W @ 2%*

| Part No. | Ohms |
|---|---|
| 26-8023 | 50 Ohms |

(M) = Male Plug (F) = Female Socket

## Mini-UHF Connectors

**Mini-UHF (M)**
*Crimp, 3 Piece*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| MiniUHF1 | RG-58 | 24-9958P |
| 29-4031 (MiniUHF2) | RG-59 & 62 | 24-9959P |
| MiniUHF17 | RG-8X | 24-9958P |
| 29-4035 | RG-174, RG-188 | 24-8859P |

**Mini-UHF (M)**
*Crimp, 3 Piece, Black*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 29-4021 | RG-58 | 24-9958P |

**Mini-UHF (F)**
*Crimp, 3 Piece*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 29-4030 | RG-58 | 24-9958P |

**Push-On Mini-UHF (M)**
*Crimp, 3 Piece*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 27-4034 | RG-58 | 24-9958P |

## Mini-UHF Adapters

**Mini-UHF (F) to Mini-UHF (F)**

| Part No. |
|---|
| 29-4110 (CPAD240) |

**Mini-UHF (M) to Mini-UHF (F)**

| Part No. |
|---|
| 29-4140 (CPAD214) |

**Right Angle Adapter**
*Mini-UHF (M) to Mini-UHF (F)*

| Part No. |
|---|
| 29-4130 (CPAD243) |

**Mini-UHF (M) to TNC (F)**

| Part No. |
|---|
| 29-4100 (CPAD305) |

**Mini-UHF (F) to TNC (M)**

| Part No. |
|---|
| 29-4105 (CPAD302) |

**Mini-UHF (F) to UHF (M)**

| Part No. |
|---|
| 29-4145 (CPAD219) |

**Mini-UHF (M) to BNC (F)**

| Part No. |
|---|
| 29-4150 (CPAD509) |

(M) = Male Plug (F) = Female Socket

## UHF Connectors

**UHF (M)**
*Solder, 2 Piece, PL-259*

| Part No. | Cable Type |
|---|---|
| 25-7300 (CPAD250) | RG-8, 11, 213, 214 |

**UHF (M) with Hi-Temp Insulation**
*Solder, 2 Piece, PL-259*

| Part No. | Cable Type |
|---|---|
| 25-7305 | RG-8, 11, 213, 214 |

**Crimp UHF (M)**
*3 Piece*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| CPL2598 | RG-8 | 24-7712P |
| CPL2591 | RG-58 | 24-9958P |
| CPL2592 | RG-59 | 24-9959P |

**UG-175 Reducer**
*Used with a PL-259*

| Part No. | Cable Type |
|---|---|
| 25-7310 | RG-58 |
| 25-7320 | RG-59 |

## UHF Adapters

**In-Line Splice**
*PL-258, UHF (F) to UHF (F)*

| Part No. |
|---|
| 25-7330 (CPAD204) |

**Right Angle Adapter**
*UHF (M) to UHF (F)*

| Part No. |
|---|
| 25-7340 |

**UHF 'T' Adapter**
*3 Female (F-F-F)*

| Part No. |
|---|
| CPAD210 |

**UG-146/U Adapter**
*UHF (F) to 'N' (M)*

| Part No. |
|---|
| 26-8015 (CPAD808) |

**UG-83/U Adapter**
*UHF (M) to 'N' (F)*

| Part No. |
|---|
| 26-8014 |

**Chassis Mount**
*UHF (F) to UHF (F)*
*UG-363/U*

| Part No. |
|---|
| CPAD207 |

**UHF (F) to BNC (F)**

| Part No. |
|---|
| 25-7365 |

**UG-255 Adapter**
*UHF (F) to BNC (M)*

| Part No. |
|---|
| 25-7420 |

**UG-273/U Adapter**
*UHF (M) to BNC (F)*

| Part No. |
|---|
| 27-8120 (CPAD500) |

**UHF (M) to 'F' (F)**

| Part No. |
|---|
| 25-7550 (CPAD218) |

**UHF (F) to 'F' (M)**

| Part No. |
|---|
| 27-8200 |

**Chassis Mount**
*UHF (F) to Solder Lug, SO-239*

| Part No. |
|---|
| 25-7350 (CPAD206) |

**UHF (F) to RCA (M)**

| Part No. |
|---|
| 27-8210 |

**UHF (M) to TNC (F)**

| Part No. |
|---|
| 25-7362 |

**UHF (F) to TNC (M)**

| Part No. |
|---|
| 27-8260 |

**UHF (F) to Mini-UHF (M)**

| Part No. |
|---|
| 29-4140 (CPAD214) |

**UHF (M) to Mini-UHF (F)**

| Part No. |
|---|
| 29-4145 (CPAD219) |

(M) = Male Plug (F) = Female Socket

## Crimp-On 2- & 3-Piece TNC Connectors

**Crimp TNC (F)**
*2 Piece, Non-Solder Center Pin*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 27-9046 | RG-58 | 24-9858P |

**Crimp TNC (M)**
*2 Piece, Non-Solder Center Pin*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 27-9078 | RG-58 | 24-9858P |
| 27-9079 | RG-59 & 62TFE | 24-9858P |

## TNC Terminators

**TNC Terminator (M)**
*0.5W @ 2%*

| Part No. | Ohms |
|---|---|
| 27-9017 | 50 Ohms |

## TNC Adapters

**Chassis Mount**
*TNC (F) to TNC (F), 1/2" Mounting Hole*

| Part No. |
|---|
| 27-9067 (CPAD356) |

**Isolated Chassis Mount**
*TNC (F) to TNC (F), 1/2" & 5/8" Mounting Hole*

| Part No. |
|---|
| 27-9075 |

**TNC Inline Splice**
*TNC (F) to TNC (F)*

| Part No. |
|---|
| 27-9069 (CPAD355) |

**TNC (F) to Mini-UHF (M)**

| Part No. |
|---|
| 29-4100 (CPAD305) |

**TNC (M) to Mini-UHF (F)**

| Part No. |
|---|
| 29-4105 (CPAD302) |

**TNC Right Angle**
*TNC (M) to TNC (F)*

| Part No. |
|---|
| 27-9068 (CPAD306) |

**TNC (M) to BNC (F)**

| Part No. |
|---|
| 27-8250 (CPAD300) |

**TNC (M) to UHF (F)**

| Part No. |
|---|
| 27-8260 |

**TNC (F) to Push-On TNC (M)**
*1 Piece*

| Part No. |
|---|
| 27-9278 |

(M) = Male Plug (F) = Female Socket

## SMA Connectors

**SMA for Flexible Cable (M)**
*Crimp, 3 Piece, Solder or Crimp Center Pin*

| Part No. | Cable Type | VSWR & Freq. Range | Tool No. |
|---|---|---|---|
| 28-5020 | RG-161/U, 174, 188, 316 | 1.15 + .021 (GHz) 0-12.4 GHz | 24-328P |
| 28-5021 | RG-58/U, 141, 303 | 1.15 + .011 (GHz) 0-12.4 GHz | 24-328P |
| 28-5022 | RG-55/U, 142, 223, 400 | 1.15 + .011 (GHz) 0-12.4 GHz | 24-328P |

**SMA (M)**
*Crimp, 3 Piece, Solder or Crimp Center Pin*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 29-3100 | 58A/U-141 | 24-328P |
| 29-3103 | 174, 188, 316 | 24-328P |

## SMA Adapters

**SMA (M) to BNC (F)**

| Part No. |
|---|
| 29-3855 (CPAD508) |

**SMA (F) to BNC (F)**

| Part No. |
|---|
| 29-3835 (CPAD507) |

**SMA (F) to 'N' (M)**

| Part No. |
|---|
| 29-3840 (CPAD810) |

## Strain Relief Boots & Hoods for Coaxial Connectors

**Colored BNC Boots, 100 per bag**

| Part No. | Cable Type | Color |
|---|---|---|
| 25-7958BK | RG-58, 141 | Black |
| 25-7958RE | RG-58, 141 | Red |
| 25-7958BU | RG-58, 141 | Blue |
| 25-7958YE | RG-58, 141 | Yellow |
| 25-7958GN | RG-58, 141 | Green |

| Part No. | Cable Type | Color |
|---|---|---|
| 25-7959BK | RG-59, 62 | Black |
| 25-7959RE | RG-59, 62 | Red |
| 25-7959BU | RG-59, 62 | Blue |
| 25-7959YE | RG-59, 62 | Yellow |
| 25-7959GN | RG-59, 62 | Green |

**BNC Boots**
*Black Only, 100 per bag*

| Part No. | Cable Type | Color |
|---|---|---|
| 25-B58 | RG-58, 141 | Black |
| 25-B58TN | RG-58, ThinNet | Black |
| 25-B174 | RG-174 | Black |

**RG-59 Weatherproof Boot**
*Black Only, 100 per bag*

| Part No. |
|---|
| 25-7270 |

(M) = Male Plug (F) = Female Socket

## Stainless Steel Wallplates

| Single | Hole Size | Dual |
|---|---|---|
| 27-8483 | 3/8" Hole | 27-8484 |
| 27-8478 | 1/2" Hole | 27-8479 |
| 27-8485 | No Hole | --------- |

**BNC Hood for 3-Piece Crimp Plug**
*Black Only, 100 per bag*

| Part No. |
|---|
| 25-7960BK |

*With one of the widest selections of 'F' connectors in the industry, we offer you a high-quality, cost-effective connectivity solution. All our 'F' connectors are designed to meet the high standards of the Satellite and Cable TV industries. Our 'F' type connectors are available for RG-59, RG-6 and RG-11 cable and are offered in twist-on, crimp, solder style, compression and weatherproof varieties.*

## Weatherproof 'F' Connectors

**Gel Filled 'F' (M)**
*Crimp, 0.324 Diameter, with O-ring for Weatherproof Application.*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 25-7066 | RG-6 | 24-7710P |

**F-56ALM WP (M)**
*Crimp, 1 Piece, 0.324 Diameter, Chromate Plated, with Interior Gasket.*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 25-7056 (CPF56ALMWP) | RG-6 | 24-8866P |

**'F' Compression (M)** *New!*
*Crimp, 1 Piece*
*for Weatherproof Applications (use crimp tool 24-77144P).*

| Nickel (10pk) | Gold (10pk) | Cable Type |
|---|---|---|
| 25-2502-10PB | 25-2502G-10PB | RG-59 Dual, Tri- & Quad Shield |
| 25-2601-10PB | 25-2601G-10PB | RG-6 Dual, Tri- & Quad Shield |

## 'F' 56 Series Connectors for RG-6

(Use Crimp Tools 24-7710 or 24-8866P for connectors listed)

**Crimp-On F-56 (M)**
*with Separate 1/4" Ring.*

| Part No. |
|---|
| 25-7150 |

**Crimp-On F-56ALX (M)**
*for RG-6 Tri-Shield & Quad Plenum Cable.*

| Part No. |
|---|
| 25-7033 (CPF56ALX) |

**Crimp-On F-56ALX (M)**
*for RG-6 Quad-Shield Cable.*

| Part No. |
|---|
| 25-7034 (CPF56ALS) |

**Crimp-On F-56A (M)**
*with attached 1/4" Rng.*

| Part No. |
|---|
| 25-7160 |

**'F' Ratchet Crimp Tool**
*for RG-59, RG-6 and Quad Shield Cable.*

| Blister No. |
|---|
| 24-8866P |

**Crimp-On F-56ALM (M)**
*for RG-6 Cable.*

| Part No. |
|---|
| 25-7032 (CPF56ALM) |

**Crimp-On F-56 (M)**
*for Teflon/Plenum RG-6 Cable.*

| Part No. |
|---|
| 25-7047 |

**Twist-On F-56 (M)**
*for standard RG-6 Cable.*

| Part No. |
|---|
| 25-7180 (CPFI56) |

**Crimp-On F-56ALM (M)**
*for RG-6 Cable, Zinc Plated.*

| Part No. |
|---|
| 25-7036 |

(M) = Male Plug (F) = Female Socket

## 'F' 59 Series Connectors for RG-59

*(Use 24-7710 or 24-8866P for the following connectors)*

**Crimp-On F-59 (M)**
*with Separate 1/8" Ring.*

| Part No. |
|---|
| 25-7000 |

**Crimp-On Gold Plated F-59 (M)**
*with Separate 1/8" Ring.*

| Part No. |
|---|
| 25-7000G |

**Crimp-On F-59 (M)**
*with Separate 1/4" Ring.*

| Part No. |
|---|
| 25-7010 (CPF591/4) |

**Crimp-On F-59 (M)**
*with Separate 1/2" Ring.*

| Part No. |
|---|
| 25-7020 (CPF591/2) |

**Crimp-On F-59A (M)**
*with Attached 1/8" Ring.*

| Part No. |
|---|
| 25-7050 (CPF59A) |

**'F' Deluxe Hex Crimp Tool**
*for RG-6 & 59 .*

| Part No. |
|---|
| 24-7710 |

**Crimp-On F-59ALM (M)**
*for Standard RG-59 Cable.*

| Part No. |
|---|
| 25-7030 (CP59ALM) |

**Crimp-On F-59ALM (F)**
*for Standard RG-59 Cable.*

| Part No. |
|---|
| 25-7081 |

**Crimp-On F-59ALX (M)**
*for Tri-Shield RG-59 & Quad Plenum.*

| Part No. |
|---|
| 25-7031 (CP59ALX) |

**Crimp-On F-59 (M)**
*for Teflon/Plenum RG-59 Cable.*

| Part No. |
|---|
| 25-7049 |

**Crimp-On F-59 (M)**
*for Thin Cable RG-59, 62 Teflon.*

| Part No. |
|---|
| 25-7035 |

**Right Angle Crimp-On F-59R (M)**
*for RG-59 Cable.*

| Part No. |
|---|
| 25-7146 |

**Push-On F-59PG (M)**
*or RG-59 Cable with Center Pin.*

| Part No. |
|---|
| 25-7080 |

**Twist-On F-59TW (M)**
*for Standard RG-59 Cable.*

| Part No. |
|---|
| 25-7120 |

**Twist-On F-59TW (M)**
*with 1/2" Grip for Standard RG-59.*

| Part No. |
|---|
| 25-7121 |

**Twist-On F-59TW (M)**
*for RG-59 with Male Quick Disconnect.*

| Part No. |
|---|
| 25-7280 |

**F-59T (M)**
*Terminator 1/2 Watt @ 5%*

| Part No. |
|---|
| 25-7100 |

## 'F' Connectors for RG-11

**Crimp-On F-11 (M)**
*2 Piece, with Separate 1/5" Ring.*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 25-7190 | RG-11 (CPF111/5) | 24-7712P |

**Crimp-On F-11 (M)**
*1 Piece, for Standard RG-11 Cable.*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 25-7191 (CPF11ALM) | RG-11 | 24-7711P |

**Crimp-On F-11 (M)**
*3 Piece, for Teflon/Plenum RG-11 Cable.*

| Part No. | Cable Type | Tool No. |
|---|---|---|
| 25-7192 | RG-11 | 24-7712P |

(M) = Male Plug (F) = Female Socket

## 'F' Series Splice Adapters

**F-81 Inline 3/4" Splice**
*(F) to (F)*

| Part No. |
|---|
| 25-7200 (CPF81) |

**F-81 Inline 1" Splice**
*(F) to (F)*

| Part No. |
|---|
| 25-7200L (CPF81L) |

**F-81 2GHz 1" Splice for CATV & Satellite**
*(F) to (F)*

| Part No. |
|---|
| 70-2081 |

**F-81 Inline 3/4" Splice with Nut & Washer**
*(F) to (F)*

| Part No. |
|---|
| 25-7210 (CPF81NW) |

**7/16" Nut & Washer**
*for use with all AIM 'F' Mounts & Splices.*

| Part No. |
|---|
| 25-7680 (CPFNW) |

**F-71 Inline Splice**
*(M) to (M)*

| Part No. |
|---|
| 25-7640 |

**F-81 2GHz 1" Splice with Nut & Washer for CATV & Satellite**
*(F) to (F)*

| Part No. |
|---|
| 70-2081-NW |

## 'F' Connector - Chassis & PCB Mount

**'F' Side Edge PCB Mount (F)**

| Part No. |
|---|
| 25-7630 (CPF61SE) |

**F-61PC Straight PCB Mount (F)**

| Part No. |
|---|
| 25-7650 |

**'F' Right Angle PCB Mount (F)**

| Part No. |
|---|
| 25-7651 |

**F-61HD Chassis Mount (M)**
*with 2 flat Sides.*

| Part No. |
|---|
| 25-7670 |

**F-61AD Chassis Mount (F)**

| Part No. |
|---|
| 25-7660 |

**'F' Vertical Mount PCB (M)**

| Part No. |
|---|
| 25-7654 |

**'F' Right Angle PCB Mount, Short (F)**

| Part No. |
|---|
| 25-7652 (CPF61SR) |

**Crimp O-rings for 'F' Connectors**

| Part No. | Cable Type | Ring |
|---|---|---|
| 25-7110 | RG-59 | 1/8" |
| 25-7040 | RG-59 | 1/4" |
| 25-7090 | RG-59 | 1/2" |
| 25-7620 | RG-11 | 1/5" |

(M) = Male Plug (F) = Female Socket

## 'F' Series Adapters

**'F' (F) to Push-On 'F' (M)**

| Part No. |
|---|
| 25-7140 |

**'F' (F) Right Angle to Push-On 'F' (M)**

| Part No. |
|---|
| 25-7141 |

**'F' (F) to RCA (F)**

| Part No. |
|---|
| 25-7570 |

**'F' (F) to RCA (M)**

| Part No. |
|---|
| 25-7530 (CPAD103) |

**'F' (M) to RCA (F)**

| Part No. |
|---|
| 25-7580 |

**'F' (F) to P3.5 mm (M)**

| Part No. |
|---|
| 25-7540 |

**'F' (F) Right Angle to 'F' (M)**

| Part No. |
|---|
| 25-7600 |

**'F' (F) to 'N' (M)**

| Part No. |
|---|
| 26-8020 (CPAD811) |

**'F' (M) to BNC (F)**

| Part No. |
|---|
| 27-8100 |

**'F' (F) to BNC (M)**

| Part No. |
|---|
| 25-7500 |

**'F' (F) to UHF (M)**

| Part No. |
|---|
| 25-7550 (CPAD218) |

**'F' (M) to UHF (F)**

| Part No. |
|---|
| 27-8200 |

**'F' (F) to European (M) Plug**

| Part No. |
|---|
| 25-2200 |

**'F' (M) to European (M) Jack**

| Part No. |
|---|
| 25-2202 |

**'F' (F) to European (F) Jack**

| Part No. |
|---|
| 25-2203 |

## 'F' Voltage Blocks & Attenuator Pads

**'F' Voltage Blocking Coupler**
*Blocks DC and Low Frequency AC Power-Bandwidth: DC to 1 GHz, Return Loss 25db, (M) to (F)*

| Part No. |
|---|
| 25-7901 |

**'F' Mini- Attenuator Pads**
*Nickel Plated, Accuracy within 5%, Return Loss 20db, 22 AWG Center Pin, DC to 1 GHz Bandwidth, (M) to (F)*

| Part No. | Attenuation |
|---|---|
| FLN1G | 1db |
| FLN2G | 2db |
| FLN3G | 3db |
| FLN6G | 6db |
| FLN8G | 8db |
| FLN10G | 10db |
| FLN12G | 12db |
| FLN16G | 16db |
| FLN20G | 20db |

(M) = Male Plug (F) = Female Socket

# Quick Selector–Connector to EMERSON Tool

(Select AIM Connector Row Reference to Vertical Tool Column)

| | Non-Ratchet 'F' Crimp Tools | | | | | Ratchet Coaxial Crimp Tools | | | | | | Standard Series Ratchet Coaxial Crimp Tools with Interchangeable Dies | | | | | | | | | | Coaxial Cable Stripping Tools | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AIM ELECTRONICS Connectors | 24-7700P | 24-7710P | 24-7711P | 24-7712P | 24-7713P | 24-321P | 24-8860P | 24-8861P | 24-8865P | 24-8866P | 24-9960P | 24-328P | 24-8789P | 24-8856P | 24-8857P | 24-8858P | 24-8859P | 24-9858P | 24-9859P | 24-9912P | 24-9958P | 24-9959P | 24-7731P | 24-7732P | 24-7733P | 24-7734P | 24-7735P | 24-7736P | 24-7737P | 24-7738P | 24-7739P | VSCST-1 | CAMBRIDGE™ PRODUCTS Connectors |
| 25-7000 | • | • | | | | | | | | • | | | | | | | | | | | | | | • | | • | • | • | | | | • | CPF591/8 |
| 25-7010 | | • | | | | | | | | • | | | | | | | | | | | | | | • | | • | • | • | | | | • | CPF591/4 |
| 25-7020 | | • | | | | | | | | • | | | | | | | | | | | | | | • | | • | • | • | | | | • | CPF591/2 |
| 25-7030 | • | • | | | | | | | | • | • | | | | | | | | | | | | | • | | • | • | • | | | | • | CPF59ALM |
| 25-7031 | | • | | | | | | | | • | | | | | | | | | | | | | | • | | • | • | • | | | | • | CPF59ALX |
| 25-7032 | • | • | | | | | | | | • | • | | | | | | | | | | | | | • | | • | • | • | | | | • | CPF56ALM |
| 25-7033 | | • | | | | | | | | • | | | | | | | | | | | | | | • | | • | • | • | | | | • | CPF56ALX |
| 25-7034 | | | | • | | | | | | • | | | | | | | | | | | | | | • | | • | • | • | | | | • | CPF56ALS |
| 25-7035 | | • | | | | | | | | • | • | | | | | | | | | | | | | • | | • | • | • | | | | • | CPF59TE |
| 25-7036 | | • | | | | | | | | • | | | | | | | | | | | | | | • | | • | • | • | | | | • | CPF56ALMZ |
| 25-7037 | | | | | • | | | | | • | | | | | | | | | | | | | | • | | • | • | • | | | | • | CPF59CP |
| 25-7038 | | | | | • | | | | | • | | | | | | | | | | | | | | • | | • | • | • | | | | • | CPF56CP |
| 25-7047 | | • | • | | | | | | | • | | | | | | | | | | | | | | • | | • | • | • | | | | • | CPF56P |
| 25-7049 | | • | | | | | | | | • | | | | | | | | | | | | | | • | | • | • | • | | | | • | CPF59D |
| 25-7050 | • | • | | | | | | | | • | | | | | | | | | | | | | | • | | • | • | • | | | | • | CPF59A |
| 25-7056 | | • | | | | | | | | • | • | | | | | | | | | | | | | • | | • | • | • | | | | • | CPF56ALMWP |
| 25-7066 | | • | | | | | | | | • | • | | | | | | | | | | | | | • | | • | • | • | | | | • | CPF56WPG |
| 25-7070 | | • | | | | | | | | • | | | | | | | | | | | | | | | | • | | | | | | | CPF59G |
| 25-7080 | | • | | | | | | | | • | | | | | | | | | | | | | | | | • | | | | | | | CPF59PG |
| 25-7081 | | • | | | | | | | | • | | | | | | | | | | | | | | | | • | | | | | | | CPF59FLM |
| 25-7146 | | • | | | | | | | | • | | | | | | | | | | | | | | | | • | | | | | | | CPF59RA |
| 25-7150 | | • | | | | | | | | • | | | | | | | | | | | | | | | | • | | | | | | | CPF561/4 |
| 25-7160 | • | • | | | | | | | | • | | | | | | | | | | | | | | | | • | | | | | | | CPF56A |
| 25-7190 | | | | • | | | | | | | | | | | | | | | | | | | • | | | | | | | | | | CPF111/5 |
| 25-7191 | | | • | | | | | | | | | | | | | | | | | | | | • | | | | | | | | | | CPF11ALM |
| 25-7192 | | | | • | | | | | | | | | | | | | | | | | | | • | | | | | | | | • | | CPF11PLM |
| 25-7290 | | • | | | | | | | | • | | | | | | | | | | | | | • | | | • | | • | | | | | CPF59RP |
| 25-7306 | | | | • | | | | | | | | | | | | | | | | | | | • | | | | | | | | | | CPL2598 |
| 25-7307 | | | | | | | | | | | | | • | | | | | | | | • | | | | • | | | | | | | | CPL2591 |
| 25-7308 | | | | | | | | | | | | | | | | | | | | | | • | | | • | | | | | | | | CPL2592 |
| 25-7690 | | • | | | | | | | | | | | | | | | | | | | | | | | • | | | | | | | | CPF59M |
| 26-8000 | | | | • | | | | | | | | | | | | | | | | | | | • | | | | | | | | • | | CPAD802 |
| 26-8002 | | | | • | | | | | | | | | | | | | | | | | | | • | | | | | | | | • | | CPAD814 |
| 26-8005 | | | | • | | | | | | | | | | | | | | | | | | | • | | | | | | | | • | | CPN8 |
| 26-8019 | | | | • | | | | | | | | | | | | | | | | | | | • | | | | | | | | • | | CPFIN8 |
| 26-8025 | | | | • | | | | | | | | | | | | | | | | | | | • | | | | | | | | • | | CPNCL2 |
| 26-8028 | | | | | | | | | | | • | • | | | | | | | | | | | | • | | • | | | | | | | CPN1 |
| 26-8029 | | | | | | | | | | | • | | | | | | | | | | | | | • | | | | | • | • | | | CPN2 |
| 26-8031 | | | | | | | | | | | • | | | | | | | | | | | | | • | | | | | | | | | CPN17 |
| 26-8033 | | | • | | | | | | | | | | | | | | | | | | | | • | | | | | | | | • | | CPN8/110 |
| 27-9000 | | | | | | | | | | | | | | | | | | | • | | | | | • | | • | • | • | | | | | CP882 |
| 27-9001 | | | | | | | | | | | | | | | | | | • | | | | | | • | | • | • | • | | | | | CP881 |
| 27-9002 | | | | | | • | | | | | | | | | | | | | | | | | | • | | • | | • | | | | | CP885 |
| 27-9003 | | | | | | | | | | | | | | | | | | | • | | | | | • | | • | • | • | | | | | CP892 |
| 27-9004 | | | | | | | | | | | | | | | | | | | • | | | | | • | | • | • | • | | | | | ------- |
| 27-9006 | | | | | | | | | | • | | | | | | | | | | | | | | • | | • | | • | | | | | CP883 |
| 27-9009 | | | | | | | | | | | | | | | | | | • | | | | | | • | | • | • | • | | | | | CP8810 |
| 27-9010 | | | | | | | | | | | | | | | | | | | | | | | | | | • | • | • | | | | | CPSW8821 |
| 27-9012 | | | | | | | | | | | | | | | | | | • | • | | | | | | | • | • | • | | | | | CPSW8823 |
| 27-9013 | | | | | | • | | | | | | | | | | | | | • | | | | | | | • | | • | | | | | CP895 |
| 27-9014 | | | | | | | | | | | | | | | | | | • | | | | | • | | | • | • | | | | | | CP891 |
| 27-9015 | | | | | | | | | | | | | | | | | | • | | | | | • | | | • | • | | | | | | CP8910 |
| 27-9022 | | | | | | | | | | | | | | | | | | • | | | | | | | • | | | | • | | | | CPCL881 |
| 27-9023 | | | | | | | | | | | | | • | | | | | | | | | | | | • | | | | • | | | | CPCL882 |
| 27-9046 | | | | | | | | | | | | | • | | | | | • | | | | | • | | | • | | | | | | | CPTNC891 |
| 27-9060 | | | | | | | • | | | | | | | | | | | | | | | | | | • | | | | • | • | | | CPMCTNC2 |

# Quick Selector–Connector to EMERSON Tool *continued*

(Select AIM Connector Row Reference to Vertical Tool Column)

| | Non-Ratchet 'F' Crimp Tools | | | | | Ratchet Coaxial Crimp Tools | | | | | | Standard Series Ratchet Coaxial Crimp Tools with Interchangeable Dies | | | | | | | | | | Coaxial Cable Stripping Tools | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AIM ELECTRONICS Connectors | 24-7700P | 24-7710P | 24-7711P | 24-7712P | 24-7713P | 24-321P | 24-8860P | 24-8861P | 24-8865P | 24-8866P | 24-9960P | 24-328P | 24-8789P | 24-8856P | 24-8857P | 24-8858P | 24-8859P | 24-9858P | 24-9859P | 24-9912P | 24-9958P | 24-9959P | 24-7731P | 24-7732P | 24-7733P | 24-7734P | 24-7735P | 24-7736P | 24-7737P | 24-7738P | 24-7739P | VSCST-1 | CAMBRIDGE PRODUCTS Connectors |
| 27-9061 | | | | | | | | | | | | | • | | | | | | | | • | | | • | | | | • | • | | | CPMCTNC1 |
| 27-9065 | | | | | | | | | | | | | | | | | | | | • | | | | • | | | | | | | | CPMTNC19 |
| 27-9078 | | | | | | | | | | | | | | | | | | • | | | | | | • | | | | | | | | CPTNC1 |
| 27-9079 | | | | | | | | | | | | | | | | | | • | | | | | | | • | • | | | | | | CPTNC10 |
| 27-9100 | | | | | | | • | | | | | | • | | | | | | | | | • | | • | | | | • | • | | | CPMC882 |
| 27-9101 | | | | | | | • | • | | | | | | | • | | | | | | • | | | • | | | | • | • | | | CPMC881 |
| 27-9102 | | | | | | | | | | | | | | • | | | | | | | | | | • | | | | | • | | | CPMC885 |
| 27-9103 | | | | | | | • | • | | | | | | | | | | | | | • | | | • | | | | • | • | | | CPMC8810 |
| 27-9104 | | | | | | | | • | | | | | | | | | • | | | | | | | | | | | | • | | | CPMC883 |
| 27-9105 | | | | | | | | | | | | | | | | | | | | • | | | | • | | | | • | | | | CPM8819 |
| 27-9108 | | | | | | | | | | | | | | • | | | | | | • | | • | | • | | | | | • | | | CPMC8817 |
| 27-9119 | | | | | | | • | | | | | | • | | | | | | | • | | • | | • | | | | | | | | CPMC8825 |
| 27-9189 | | | | | | | • | | | | • | | • | | | | | | | | | • | | • | | | | • | • | | | CPMC8821 |
| 27-9190 | | | | | | | • | | | | • | | | | | | | | | | | | | • | | | | • | | | | CPMC8822 |
| 27-9191 | | | | | | | • | | | | • | | • | | | | | | | | • | | | • | | | | • | | | | CPMC8823 |
| 27-9200 | | | | | | | | | | | • | | | | | • | | • | | | | | | | • | • | | | | | | ------- |
| 27-9201 | | | | | | | • | | | | | | • | | | | | | | | • | | | | • | • | | | | | | ------- |
| 27-9203 | | | | | | | • | • | | | | | | | | | | | | | • | | | • | | | | • | | | | ------- |
| 27-9204 | | | | | | | | | | | | | | | | | | • | | | | | | | • | • | | | | | | CP8811 |
| 27-9205 | | | | | | | • | • | | | | | | | | | | | | | • | | | • | | | | • | | | | CPMC8811 |
| 27-9207 | | | | | | | | • | | | | | | | | | | • | | | | | | | • | • | | | | | | ------- |
| 27-9208 | | | | | | | | | | | | | | | | | | | | | • | | | • | | | | • | | | | CPMC881 |
| 27-9209 | | | | | | | | • | | | | | | | | | | • | | | | | | | • | | • | | | | | ------- |
| 27-9210 | | | | | | | | • | | | | | | | | | | • | • | | | | | | • | • | | | | | | CP884 |
| 27-9215 | | | | | | | • | | | | | | | | | | | | | | • | | | • | | | | | | | | CPAD309 |
| 27-9235 | | | | | | | | | | | | | | | | | | | | • | | | | • | | | | | | | | CPMC8812 |
| 27-9236 | | | | | | | • | | | | | | | | | | | | | | • | | | • | | | | | | | | CPMC8813 |
| 27-9241 | | | | | | | | | | | | | | | | | | | | • | | | | • | | | | | | | | CPM8820 |
| 27-9248 | | | | | | | • | | | | | | | | | | | | | | • | | | • | | | | | | | | CPAD570 |
| 27-9254 | | | | | | | | | | | | | | | | | | | | • | | | | • | | | | | • | • | | | CPMC8818 |
| 27-9266 | | | | | | | • | | | | • | | • | | | | | | | | | • | | • | | | | | | | | CPMCTNC17 |
| 27-9282 | | | | | | | • | | | | | | | | | | | • | | | | | | | • | | | | | | | CPMCTNC1B |
| 27-9293 | | | | • | | | | | | | | | | | | | | | | | | | • | | | | | | | | • | CPMC8826 |
| 28-5020 | | | | | | | | | | | | • | | | | | | | | | | | | | | | | | • | | | | 142-0403-016 |
| 28-5021 | | | | | | | • | | | | | • | | | | | | | | | | | | | | | | | • | | | | 142-0407-016 |
| 28-5022 | | | | | | | • | | | | | • | | | | | | | | | | | | | | | | | • | | | | 142-0408-011 |
| 28-90007 | | | | | | | | | | | | | | | | | | • | | | | | | • | | • | | | | | | | CP882 |
| 28-90027 | | | | | | | | | | | | | | | | | | • | | | | | | • | | • | | | | | | | CP785 |
| 28-90097 | | | | | | | | | | | | | | | | | | • | | | | | • | | | • | • | | | | | | CP7810 |
| 28-90137 | | | | | | | | | | | | | | | | | | | • | | | | | | • | | | | • | • | | | CP792 |
| 28-90157 | | | | | | | | | | | | | | | | | | • | | | | | • | | | • | • | | | | | | CP7910 |
| 28-90237 | | | | | | | | | | | | | • | | | | | | | | | | | | • | | | | • | • | | | CPCS782 |
| 28-90257 | | | | | | | | | | | | | | | | | | | | | • | | • | | | • | • | | | | | | CPCS7810 |
| 28-91007 | | | | | | | | | | | | | | | | | | | | | | • | | | • | | | | • | • | | | CPMC782 |
| 28-91027 | | | | | | | | | | | | | | • | | | | | | | | | | | • | | | | • | • | | | CPMC785 |
| 28-91037 | | | | | | | | | | | • | | | | | | • | | | | • | | | | • | | | | • | | | | CPMC7810 |
| 28-91047 | | | | | | | | | | | • | | | | | | • | | | | | | | | • | | | | • | | | | CPMC783 |
| 28-91057 | | | | | | | | | | | | | | | | | | | | • | | | | | | • | | | | | | | CPMC7818 |
| 28-91317 | | | | | | | | | | | | | | | | • | | | | | | | | | • | | | | | | | | CPMC7831 |
| 28-91457 | | | | | | | | | | | | | | • | | | | | | | | | | | • | | | | | | | | CPMC7845 |
| 28-91477 | | | | | | | | | | | | | | • | | | | | | | | | | | | | | • | | | | | CPMC7847 |
| 28-91507 | | | | | | | | • | | | | | • | | | | | | | | | | | | | | | • | | | | | CPMC7850 |
| 28-91557 | | | | | | | | | | | | | | • | | | | | | | | | | | • | | | | | | | | CPMC7855 |
| 29-3100 | | | | | | | | | | | | • | | | | | | | | | | | | | | | | | • | | | | CPSMA0455 |
| 29-3103 | | | | | | | | | | | | • | | | | | | | | | | | | | | | | | • | | | | CPSMA0475 |
| 29-4010 | | | | | | | • | | | | | | | | | | | | | | • | | | | • | | | | | | | | MINIUHF1 |
| 29-4021 | | | | | | | • | | | | | | | | | | | | | | • | | | | • | | | | | | | | MINIUHF1B |
| 29-4030 | | | | | | | • | | | | | | | | | | | | | | • | | | | • | | | | | | | | CPAD247 |
| 29-4031 | | | | | | | • | | | | | | • | | | | | | | | | • | | | • | | | | | | | | MINIUHF2 |
| 29-4033 | | | | | | | • | | | | | | | | | | | | | | • | | | | • | | | | | | | | MINIUHF17 |
| 29-4035 | | | | | | | | | | | | | | | | | | | | • | | | | | • | | | | | | | | MINIUHF19 |

*Look to us for a complete line of mono and stereo connectors and adapters, including RCA, 1/4", 3.5 mm, and microphone connectors and adapters. In addition, we offer a standard and gold-plated line of RCA connectors, adapters and wallplates for any home automation installation. If you are looking for A/V cables using these connectors, see pages 35-43 or call us for a custom cable quote.*

## RCA Connectors

**RCA Jack (F)**
*Gold Plated*

| Part No. | Color |
|---|---|
| 19-1315 | Red |
| 19-1316 | White |

**RCA Plug (M)**
*Gold Plated*

| Part No. | Color |
|---|---|
| 19-1303 | Red |
| 19-1304 | White |

**RCA Plug (M)**
*Gold Plated*

| Part No. | Color |
|---|---|
| 19-1312 | Red |
| 19-1313 | White |

**RCA Plug (M)**
*Metal*

| Part No. | Color |
|---|---|
| 19-1207 | Red |
| 19-1268 | Black |

**RCA Jack (F)**
*Plastic*

| Part No. | Color |
|---|---|
| 19-1212 | Red |
| 19-1213 | Black |

**RCA Plug (M)**
*Plastic*

| Part No. | Color |
|---|---|
| 19-1205 | Red |
| 19-1206 | Black |

**Push-on 2-Piece Crimp RCA (M)**
*for RG-59 w/ 1/8" O-ring.*

| Part No. |
|---|
| 25-7290 |

**2-Piece Crimp Motorola (M)**
*for RG-59 w/ 1/8" O-ring.*

| Part No. |
|---|
| 25-7690 |

## RCA Gold Series Adapters

**Inline Adapter**
**RCA (M) to RCA (M)**
*Gold Plated*

| Part No. |
|---|
| 19-1318 |

**Inline Adapter, Plastic**
**RCA (F) to RCA (F)**
*Gold Plated*

| Part No. |
|---|
| 19-1319 |

**Inline Adapter, Metal**
**RCA (F) to RCA (F)**
*Gold Plated*

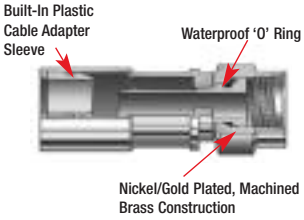
| Part No. |
|---|
| 19-1310 |

(M) = Male Plug (F) = Female Socket

*In addition to our complete line of RF connectors, we offer a wide selection of products to meet the latest High-Definition TV, Cable TV, Satellite, DVD and Audio/Video standards, including the introduction of our new line of water-proof Compression Connectors. These connectors are designed to offer the highest quality data transmission for audio, video and data applications, and are available for RG-59 and RG-6 cable in BNC, 'F' and RCA versions.*

*Our BNC and RCA compression connectors are constructed of nickel plated, machined brass, with a gold plated center pin allowing the best conductivity while providing picture perfect video and superior sound quality. Our RCA connectors, with five colors to choose from, accommodate both Standard and High-Definition composite or component video connections, and our 'F' connectors consist of a smooth spin nut for easy finger tip installation. A GOLD Series of compression connectors is also available for home theater and professional Audio/Video installations.*

## Compression Connectors*




*All three styles have an inner 'O' ring and a built-in plastic cable adapter which allows one connector to terminate regular, tri- and quad-shield cables and provides a water-tight double seal.*

RoHS

F

BNC

RCA

| Part No. | Standard Compression Connectors (10 Pack) |
|---|---|
| 25-2502-10PB | Compression F Connector, RG-59 Dual/Tri/Quad, Blue |
| 25-2601-10PB | Compression F Connector, RG-6 Dual/Tri/Quad, Black |
| 28-2502-10PB | Compression BNC 75 Ohm Connector, RG-59 Dual/Tri/Quad, Blue |
| 28-2601-10PB | Compression BNC 75 Ohm Connector, RG-6 Dual/Tri/Quad, Black |
| 19-2500-10PB | Compression RCA Connector, RG-59 Dual/Tri/Quad (2 per Color) |
| 19-2502-10PB | Compression RCA Connector, RG-59 Dual/Tri/Quad, Blue |
| 19-2503-10PB | Compression RCA Connector, RG-59 Dual/Tri/Quad, Green |
| 19-2504-10PB | Compression RCA Connector, RG-59 Dual/Tri/Quad, Red |
| 19-2505-10PB | Compression RCA Connector, RG-59 Dual/Tri/Quad, Yellow |
| 19-2506-10PB | Compression RCA Connector, RG-59 Dual/Tri/Quad, White |
| 19-2600-10PB | Compression RCA Connector, RG-6 Dual/Tri/Quad (2 per Color) |
| 19-2602-10PB | Compression RCA Connector, RG-6 Dual/Tri/Quad, Blue |
| 19-2603-10PB | Compression RCA Connector, RG-6 Dual/Tri/Quad, Green |
| 19-2604-10PB | Compression RCA Connector, RG-6 Dual/Tri/Quad, Red |
| 19-2605-10PB | Compression RCA Connector, RG-6 Dual/Tri/Quad, Yellow |
| 19-2606-10PB | Compression RCA Connector, RG-6 Dual/Tri/Quad, White |

| Part No. | *GOLD* Series Compression Connectors (10 Pack) |
|---|---|
| 25-2502G-10PB | *GOLD* Series Compression F Connector, RG-59 Dual/Tri/Quad, Blue |
| 25-2601G-10PB | *GOLD* SeriesCompression F Connector, RG-6 Dual/Tri/Quad, Black |
| 28-2502G-10PB | *GOLD* Series Compression BNC 75 Ohm Connector, RG-59 Dual/Tri/Quad, Blue |
| 28-2601G-10PB | *GOLD* Series Compression BNC 75 Ohm Connector, RG-6 Dual/Tri/Quad, Black |
| 19-2502G-10PB | *GOLD* Series Compression RCA Connector, RG-59 Dual/Tri/Quad, Blue |
| 19-2601G-10PB | *GOLD* Series Compression RCA Connector, RG-6 Dual/Tri/Quad, Black |

| Part No. | Compression Termination Tools |
|---|---|
| 24-7714P | Adjustable 3-Way Ratchet Crimp Tool for Compression RCA/BNC/F |
| 24-7732P | 2-Step Self-Adjusting Coax Stripper Tool |

## Technical Specifications

| Connector Type | Cable Type | Max. Braid Coverage | Dielectric O.D. (Nom) | |
|---|---|---|---|---|
| | | | Inches | mm |
| F Connector with 7/16" Hex | RG-6 Dual<br>RG-6 Tri-Shield<br>RG-6 Quad-Shield | Up to 90% Coverage | .180 | 4.57 |
| BNC Connector | | Up to 90% Coverage | .180 | 4.57 |
| RCA Connector | | Up to 90% Coverage | .180 | 4.57 |
| F Connector with 7/16" Hex | RG-59 Dual<br>RG-59 Tri-Shield<br>RG-59 Quad-Shield | Up to 90% Coverage | .144 | 3.27 |
| BNC Connector | | Up to 90% Coverage | .144 | 3.27 |
| RCA Connector | | Up to 90% Coverage | .144 | 3.27 |

**Patented*

## RCA Standard Series Adapters

**RCA (F) to BNC (M)**

| Part No. |
|---|
| 25-7510 |

**RCA (M) to BNC (F)**

| Part No. |
|---|
| 27-8110 |

**RCA (F) to RCA (F)**

| Part No. |
|---|
| 19-1702 |

**RCA (F) to 'F' (F)**

| Part No. |
|---|
| 25-7570 |

**RCA (M) to 'F' (F)**

| Part No. |
|---|
| 25-7530 (CPAD103) |

**RCA (F) to 'F' (M)**

| Part No. |
|---|
| 25-7580 |

**RCA (M) to UHF (F)**

| Part No. |
|---|
| 27-8210 |

**RCA (F) to 3.5 mm (M)**

| Part No. |
|---|
| 25-7560 |

## 3.5 mm Connectors

**3.5 mm Stereo Mini Plug (M)**
*Plastic*

| Part No. |
|---|
| 19-1202 |

**3.5 mm Mono Mini Plug (M)**
*Metal*

| Part No. |
|---|
| 19-1201 |

***Call today for a list of our wide selection of Audio, Video and Stereo cable assemblies.***

## Microphone Connectors

**3-Position Chassis Mount Jack (F)**

| Part No. | Pins |
|---|---|
| 44-D3F | 3 |

**3-Position Chassis Mount Plug (M)**

| Part No. | Pins |
|---|---|
| 44-D3M | 3 |

**XLR Microphone Jack (F)**

| Part No. | Pins |
|---|---|
| 44-A3F | 3 |

**XLR Microphone Plug (M)**

| Part No. | Pins |
|---|---|
| 44-A3M | 3 |

(M) = Male Plug (F) = Female Socket

## 1/4" Mono Connectors

**1/4" Mono Plug (M)**
*Plastic*

| Part No. |
|---|
| 44-250 |

**1/4" Mono Plug (M)**
*Metal*

| Part No. |
|---|
| 44-280 |

## 1/4" Stereo Connectors

**1/4" Stereo Plug (M)**
*Plastic*

| Part No. |
|---|
| 19-1203 |

**1/4" Stereo Plug (M)**
*Metal*

| Part No. |
|---|
| 19-1204 |

## Banana Plugs

**Banana Plug (M)**

| Part No. | Color |
|---|---|
| 19-1237 | Red |
| 19-1238 | Black |

## Audio Adapters

**1/4" Stereo Plug**
*(M) to 3.5 mm Plug (F)*

| Part No. |
|---|
| 19-1706 |

**1/4" Stereo Jack**
*(F) to 3.5 mm Plug (M)*

| Part No. |
|---|
| 19-1701 |

**'F' (F) to P3.5 mm (M)**

| Part No. |
|---|
| 25-7540 |

**'Y' Adapter, Stereo**
*3.5 mm Mini-Plug (M)*
*to (2) RCA Plugs (M)*

| Part No. |
|---|
| 19-1670P |

**'Y' Adapter, Stereo**
*(1) RCA Plug (M)*
*to (2) RCA Jacks (F)*

| Part No. |
|---|
| 19-1671P |

**'Y' Adapter, Stereo**
*3.5 mm Mini-Plug (M)*
*to (2) RCA Jacks (F)*

| Part No. |
|---|
| 19-1672P |

**'Y' Adapter, Stereo**
*(2) RCA Plugs (M)*
*to (1) RCA Jack (F)*

| Part No. |
|---|
| 19-1673P |

(M) = Male Plug (F) = Female Socket

*With one of the widest varieties of D-Subminiature connectors and modular adapters, we offer a complete D-Sub connectivity solution. Available in both gold-plated copper or tin alloy, crimp or solder styles, our offering provides the quality that you need at a reasonable cost. Our D-Sub hoods are available in plastic, as well as EMI/RFI protected metalized plastic and heavy duty metal. No D-Sub purchase is complete without reviewing our wide selection of* ***Emerson*** *D-Sub termination tools as seen on page 65.*

## D-Sub Crimp Kits

**D-Subminiature Standard Hood Kits**
*include Plastic Hood with Hardware, Connector and Crimp Contacts.*

| Part No. | Pins | Gender |
|---|---|---|
| 40-7009MK | 9 | M |
| 40-7009SK | 9 | F |
| 40-7015MK | 15 | M |
| 40-7015SK | 15 | F |
| 40-7025MK | 25 | M |
| 40-7025SK | 25 | F |

## D-Sub Hoods with Grommets

**Standard Plastic H Series Hoods**
*with Rubber Grommets, includes Mounting Hardware.*

| Part No. | Pins | Hood |
|---|---|---|
| 40-9709HG | 9 | Plastic |
| 40-9715HG | 15 | Plastic |
| 40-9725HG | 25 | Plastic |

**Heavy Duty Metal HM Series Hoods**
*with Rubber Grommets, includes Mounting Hardware.*

| Part No. | Pins | Hood |
|---|---|---|
| 40-9709HMG | 9 | Metal |
| 40-9715HMG | 15 | Metal |
| 40-9725HMG | 25 | Metal |

## 98 Series Crimp Style Panel & Cable Mount D-Sub Connectors

*Gold-Plated Contacts, Copper-Plated Alloy tabbed with Gold-Plated Housing on Nickel Thermoplastic Insulator*

| Part No. | Pins | Gender | Housing |
|---|---|---|---|
| 40-9809M | 9 | M | Copper/Gold |
| 40-9815M | 15 | M | Copper/Gold |
| 40-9825M | 25 | M | Copper/Gold |

| Part No. | Pins | Gender | Housing |
|---|---|---|---|
| 40-9809S | 9 | F | Copper/Gold |
| 40-9815S | 15 | F | Copper/Gold |
| 40-9825S | 25 | F | Copper/Gold |

## 99 Series Crimp Style Panel & Cable Mount D-Sub Connectors

*Gold-Plated Contacts, Press Fitted Tin Alloy Housing on Nickel Thermoplastic Insulator*

| Part No. | Pins | Gender | Housing |
|---|---|---|---|
| 40-9909M | 9 | M | Tin |
| 40-9915M | 15 | M | Tin |
| 40-9925M | 25 | M | Tin |

| Part No. | Pins | Gender | Housing |
|---|---|---|---|
| 40-9909S | 9 | F | Tin |
| 40-9915S | 15 | F | Tin |
| 40-9925S | 25 | F | Tin |

## 94 Series Crimp Style Panel & Cable Mount High Density D-Sub Connectors

*Gold-Plated Contacts, Press Fitted Tin Alloy Housing on Nickel Thermoplastic Insulator*

| Part No. | Pins | Gender | Housing |
|---|---|---|---|
| 40-9415HDM | 15 | M | Tin |

| Part No. | Pins | Gender | Housing |
|---|---|---|---|
| 40-9415HDS | 15 | F | Tin |

(M) = Male Plug (F) = Female Socket

## D-Sub Pins & Sockets

**Standard D-Sub Pins for 98 & 99 Series (M)**
*Gold Plated*

| Part No. | Quantity |
|---|---|
| 40-9854M | 25 per bag |
| 40-9856M | 100 per bag |

**Standard D-Sub Pins for 98 & 99 Series (F)**
*Gold Plated*

| Part No. | Quantity |
|---|---|
| 40-9864S | 25 per bag |
| 40-9866S | 100 per bag |

**High Density D-Sub Pins for 98 & 99 Series (M)**
*Gold Plated*

| Part No. | Quantity |
|---|---|
| 40-9428M | 100 per bag |

**High Density D-Sub Pins for 98 & 99 Series (F)**
*Gold Plated*

| Part No. | Quantity |
|---|---|
| 40-9428F | 100 per bag |

## D-Sub Termination Tools

**D-Sub Insertion & Extraction Tool**

| Part No. | Type |
|---|---|
| 40-9865 | Standard |
| 40-9427T | High-Density |

**D-Sub Non-Ratchet Crimp Tool**
*Crimps Non-Insulated Open Barrel Connectors & Contacts.*

| Blister No. |
|---|
| 24-73733P |

**D-Sub Crimping Tool**
*for Precision Machined Contacts, 4 Way Indent, Crimps 20-26 AWG with Built-in Contact Locator.*

| Blister No. |
|---|
| 24-8643P |

**D-Sub Full Cycle Ratchet Crimping Tool**
*with Tension Adjustment Wheel, Crimps 18-22 & 24-30 AWG, Non-Insulated Open Barrel Connectors, D-Sub Contacts.*

| Blister No. |
|---|
| 24-8645P |

**D-Sub Full Cycle Ratchet Crimping Tool**
*Crimps 10-22 AWG Non-Insulated Open Barrel Connectors, D-Sub & V.35 Contacts.*

| Blister No. | Replacement Die No. |
|---|---|
| 24-8644P | 99-8644 |

## D-Sub Hardware

Fig. A

Fig. B

Fig. C

Fig. D

Fig. E

Fig. F

| Description | Length | Figure | Gender | Part No. (1 Set) | Bulk (50 Sets) |
|---|---|---|---|---|---|
| Screw & Retainer | 0.31" | A | M | 40-98440M | 40-98440M-C |
| Screw & Retainer | 0.55" | B | M | 40-98441M | 40-98441M-C |
| Hex Female Screw Locks | 0.30" | C | F | 40-98440F | 40-98440F-C |
| Hex Female Screw Locks | 0.50" | D | F | 40-98442F | 40-98442F-C |
| Hex Standoff | 0.24" | E | F | 40-98443N | 40-98443N-C |
| Thumbscrew Set | 1.25" | F | M | 40-9844T | 40-9844T-C |

(M) = Male Plug (F) = Female Socket

## D-Sub Stainless Steel Wallplates

**D-Sub Wallplates**
*Stainless Steel, White*

| Pins | Single |
|---|---|
| 9 | 40-9535 |
| 15 | 40-9533 |
| 25 | 40-9531 |

## 97 Series Solder Style Panel & Cable Mount D-Sub Connectors

*Gold-Plated Contacts, Copper Alloy/Gold-Plated Housing on Nickel Thermoplastic Insulator*

| Part No. | Pins | Gender | Housing |
|---|---|---|---|
| 40-9709M | 9 | M | Copper/Gold |
| 40-9715M | 15 | M | Copper/Gold |
| 40-9725M | 25 | M | Copper/Gold |
| 40-9737M | 37 | M | Copper/Gold |
| 40-9750M | 50 | M | Copper/Gold |

| Part No. | Pins | Gender | Housing |
|---|---|---|---|
| 40-9709S | 9 | F | Copper/Gold |
| 40-9715S | 15 | F | Copper/Gold |
| 40-9725S | 25 | F | Copper/Gold |
| 40-9737S | 37 | F | Copper/Gold |
| 40-9750S | 50 | F | Copper/Gold |

## 95 Series Solder Style Panel & Cable Mount D-Sub Connectors

*Gold-Plated Contacts, Tin Alloy Housing on Nickel Thermoplastic Insulator*

| Part No. | Pins | Gender | Housing |
|---|---|---|---|
| 40-9509M | 9 | M | Tin |
| 40-9515M | 15 | M | Tin |
| 40-9525M | 25 | M | Tin |

| Part No. | Pins | Gender | Housing |
|---|---|---|---|
| 40-9509S | 9 | F | Tin |
| 40-9515S | 15 | F | Tin |
| 40-9525S | 25 | F | Tin |

## 95 Series Solder Style Panel & Cable Mount High Density D-Sub Connectors

*Gold-Plated Contacts, Tin Alloy Housing on Nickel Thermoplastic Insulator*

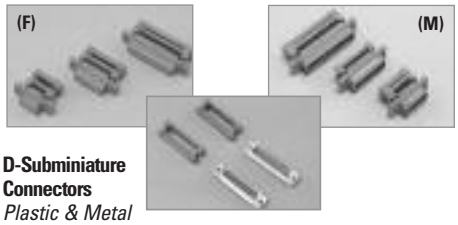
| Part No. | Pins | Gender | Housing |
|---|---|---|---|
| 40-9515HDM | 15 | M | Tin |
| 40-9526HDM | 26 | M | Tin |

| Part No. | Pins | Gender | Housing |
|---|---|---|---|
| 40-9515HDS | 15 | F | Tin |
| 40-9526HDS | 26 | F | Tin |

## IDC Headers & D-Sub Connectors

**Dual Row Socket Connectors - Headers**
*(0.01" x 1" Spacing w/Strain Relief)*

| Part No. | Pins |
|---|---|
| 40-8110 | 10 |
| 40-8114 | 14 |
| 40-8116 | 16 |
| 40-8120 | 20 |
| 40-8126 | 26 |
| 40-8134 | 34 |
| 40-8140 | 40 |
| 40-8150 | 50 |




**D-Subminiature Connectors**
*Plastic & Metal*

| Part No. | Pins | Gender | Housing |
|---|---|---|---|
| 40-8309S | 9 | F | Plastic |
| 40-8309M | 9 | M | Plastic |
| 40-8315M | 15 | M | Plastic |
| 40-8325S | 25 | F | Plastic |
| 40-8325M | 25 | M | Plastic |
| 40-8425M | 25 | M | Metal |

***These IDC connectors are constructed of phosphorus bronze contacts, flame retardant thermoplastic, and their insulation meets or exceeds UL-94 V-0.***

***These connectors are fully interchangeable with competitive Sockets and Headers, and are designed to work with 28 AWG Stranded or 30 AWG Solid Wire.***

(M) = Male Plug (F) = Female Socket

## D-Sub Hoods

**Standard Plastic 'H' Series D-Sub Hoods**
*includes Mounting Hardware, Gray.*

| Part No. | Pins |
|---|---|
| 40-9709H | 9 |
| 40-9715H | 15 |
| 40-9725H | 25 |
| 40-9737H | 37 |
| 40-9750H | 50 |

**Deluxe Plastic 'HX' Series D-Sub Hoods**
*includes Mounting Hardware & Set Screw to Hold Cable, Gray.*

| Part No. | Pins |
|---|---|
| 40-9709HX | 9 |
| 40-9715HX | 15 |
| 40-9725HX | 25 |

**Deluxe Metalized 'HS' Series D-Sub Hoods**
*includes Mounting Hardware, Shield Coating, Silver.*

| Part No. | Pins |
|---|---|
| 40-9709HS | 9 |
| 40-9715HS | 15 |
| 40-9725HS | 25 |

**Shielded Metal 'HM' Series D-Sub Hoods**
*includes Hardware, Silver.*

| Part No. | Pins |
|---|---|
| 40-9709HM | 9 |
| 40-9715HM | 15 |
| 40-9725HM | 25 |

## D-Sub Modular Adapter Kits (1-Piece Hood)

*Color: Gray*
*Built to USOC Color Code*

| Part No. | Mod | D-Sub | Gender | Housing |
|---|---|---|---|---|
| 40-9536M | RJ-12 | 9 | M | 1 Piece |
| 40-9536F | RJ-12 | 9 | F | 1 Piece |
| 40-9538M | RJ-45 | 9 | M | 1 Piece |
| 40-9538F | RJ-45 | 9 | F | 1 Piece |

| Part No. | Mod | D-Sub | Gender | Housing |
|---|---|---|---|---|
| 40-9558M | RJ-45 | 15 | M | 1 Piece |
| 40-9558F | RJ-45 | 15 | F | 1 Piece |

| Part No. | Mod | D-Sub | Gender | Housing |
|---|---|---|---|---|
| 40-9586M | RJ-12 | 25 | M | 1 Piece |
| 40-9586F | RJ-12 | 25 | F | 1 Piece |
| 40-9588M | RJ-45 | 25 | M | 1 Piece |
| 40-9588F | RJ-45 | 25 | F | 1 Piece |

## D-Sub Modular Adapter Kits (2-Piece Hood)

*Color: Black*
*Built to Nevada Western Color Code*

| Part No. | Mod | D-Sub | Gender | Housing |
|---|---|---|---|---|
| 40-9528M | RJ-45 | 9 | M | 1 Piece |
| 40-9528F | RJ-45 | 9 | F | 1 Piece |
| 40-9578M | RJ-45 | 25 | M | 1 Piece |

## Centronics Connectors

**Centronics 50 Pin**
*Telco Cable Mount Connector Kit (M)*

| Part No. |
|---|
| 30-4809M |

**Centronics 50 Pin**
*Telco Cable Mount Connector Kit (F)*

| Part No. |
|---|
| 30-4809F |

(M) = Male Plug (F) = Female Socket

*When computer connectivity is the project at hand, turn to Emerson Network Power Connectivity Solutions. Offering a complete line of computer cables, including USB, RS-232, and IEEE 1284 printer cables, we can get you connected. If it's a LAN that you are setting up, we offer both Category 5E and Category 6 patch cables in assembled and low-profile molded versions. We also offer a wide selection of single mode and multimode fiber jumpers to meet your project requirements. Most standard fiber jumpers are available to ship from stock the same day. Custom Cat5E, Cat6 and fiber LAN cables are always available; just send us your requirements.*

## Premium Multi-Coax Monitor Cables

**VGA/SVGA Multi-Coax 5 BNC Monitor Cable**

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 73-6360-6 | 6 feet | HD15 (M) | 5BNC (M) |
| 73-6360-10 | 10 feet | HD15 (M) | 5BNC (M) |

**VGA/SVGA Multi-Coax Monitor Cable**

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 30-1511-6 | 6 feet | HD15 (M) | HD15 (M) |
| 30-1511-10 | 10 feet | HD15 (M) | HD15 (M) |

## VGA/SVGA Monitor Cables

**VGA/SVGA Multi-Conductor Video Cable**

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 30-1506MM | 6 feet | HD15 (M) | HD15 (M) |
| 30-1510MM | 10 feet | HD15 (M) | HD15 (M) |

**VGA/SVGA Multi-Conductor Extension Cable**

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 30-1506MF | 6 feet | HD15 (M) | HD15 (F) |
| 30-1510MF | 10 feet | HD15 (M) | HD15 (F) |

## Universal Serial Bus Cables (USB Ver. 2.0)

***These USB cables consist of one pair of 20-28 AWG wire for power distribution (low or full speed) and one pair of 28 AWG wire twisted, with a shield and overall jacket (full speed) for signal distribution.***

**USB A-B Cable**
*Version 2.0*

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 30-3007-3 | 3 feet | USB A (M) | USB B (M) |
| 30-3007-6 | 6 feet | USB A (M) | USB B (M) |
| 30-3007-10 | 10 feet | USB A (M) | USB B (M) |
| 30-3007-15 | 15 feet | USB A (M) | USB B (M) |

**USB A-A Extension Cable**
*Version 2.0*

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 30-3008-6 | 6 feet | USB A (M) | USB A (F) |

**USB A-A Cable**
*Version 2.0*

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 30-3006-6 | 6 feet | USB A (M) | USB A (M) |
| 30-3006-10 | 10 feet | USB A (M) | USB A (M) |
| 30-3006-15 | 15 feet | USB A (M) | USB A (M) |

(M) = Male Plug (F) = Female Socket

## Bi-Directional Parallel Printer Cables

**IEEE 1284 Centronics Printer Cable**
**18 Pair, 28AWEG, Dual-Shielded**

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 30-1284AB-3 | 3 feet | DB25 (M) | Cent36 (M) |
| 30-1284AB-6 | 6 feet | DB25 (M) | Cent36 (M) |
| 30-1284AB-10 | 10 feet | DB25 (M) | Cent36 (M) |

**Centronics Printer Cable**
*36 Conductor, 28 AWG, Shielded*

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 30-9506CC | 6 feet | Cent36 (M) | Cent36 (M) |
| 30-9510CC | 10 feet | Cent36 (M) | Cent36 (M) |

**Centronics Printer Cable**
*25 Conductor, 28 AWG, Shielded*

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 30-9506MC | 6 feet | DB25 (M) | Cent36 (M) |
| 30-9510MC | 10 feet | DB25 (M) | Cent36 (M) |
| 30-9525MC | 25 feet | DB25 (M) | Cent36 (M) |

## Serial & Parallel Extension Cables

**Serial & Parallel Extension Cable**
*25 Conductor, 28 AWG, Shielded*

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 30-9506MF | 6 feet | DB25 (M) | DB25 (F) |
| 30-9510MF | 10 feet | DB25 (M) | DB25 (F) |
| 30-9525MF | 25 feet | DB25 (M) | DB25 (F) |

**DB9 Extension Cable (F)**
*Wired Pin to Pin*

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 30-9506-77 | 6 feet | DB9 (F) | DB9 (F) |
| 30-9510-77 | 10 feet | DB9 (F) | DB9 (F) |

**DB9 Data Extension Cable**
*Wired Pin to Pin*

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 30-9506-99 | 6 feet | DB9 (M) | DB9 (F) |
| 30-9510-99 | 10 feet | DB9 (M) | DB9 (F) |

## D-Sub Switch Boxes & Cables

**DB9 Data Switch Cable**
*Wired Pin to Pin*

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 30-9506-88 | 6 feet | DB9 (M) | DB9 (M) |
| 30-9510-88 | 10 feet | DB9 (M) | DB9 (M) |

**D-Sub Manual Data Switches**
*Rotary Switch, 2-amp capacity,*
*No AC Required, Boxed, Metal*

| Part No. | Pins | Output |
|---|---|---|
| 30-9575-2 | 9 | 2-Way |
| 30-9585-2 | 25 | 2-Way |
| 30-9585-4 | 25 | 4-Way |

**DB25 Data Switch Cable**
*25 Conductor, 28 AWG, Shielded*

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 30-9506MM | 6 feet | DB25 (M) | DB25 (M) |
| 30-9510MM | 10 feet | DB25 (M) | DB25 (M) |
| 30-9525MM | 25 feet | DB25 (M) | DB25 (M) |

(M) = Male Plug (F) = Female Socket

## Serial Modem Cables

**External Serial Modem Cable**

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 30-9506-29 | 6 feet | DB25 (M) | DB9 (F) |
| 30-9510-29 | 10 feet | DB25 (M) | DB9 (F) |

## D-Sub Gender Changers & Adapters

**Gender Adapter**
*DB9 (F) to DB25 (M)*

| Part No. |
|---|
| 30-9516 |

**Gender Adapter**
*DB9 (M) to DB25 (F)*

| Part No. |
|---|
| 30-9520 |

**Null Modem Adapter**
*DB25 (M) to DB25 (F)*

| Part No. |
|---|
| 30-9521 |

**High Density D-Sub (SVGA)**
*Mini Gender Changers & Port Saver*

| Part No. | Pins | Gender |
|---|---|---|
| 30-9537 | 15 | F to F |
| 30-9538 | 15 | F to M |

**D-Sub Mini Gender Changers**

| Part No. | Pins | Gender |
|---|---|---|
| 30-9530 | 9 | F to F |
| 30-9531 | 9 | M to M |
| 30-9532 | 15 | F to F |
| 30-9533 | 15 | M to M |
| 30-9534 | 25 | F to F |
| 30-9535 | 25 | M to M |

## AC Power Cables

**Three Conductor Electrical Equipment Cords**
*Use with Computer Monitors, Printers, Peripheral Devices & other Electronic Equipment, 7 Amp 125 V, 18 AWG.*

| Part No. | Length |
|---|---|
| 65-3006 | 6 feet |
| 65-3010 | 10 feet |
| 65-3015 | 15 feet |

**Panasonic Replacement AC Power Cords, 6 ft.**

| Part No. | Style |
|---|---|
| 65-403P | Wide |

(M) = Male Plug (F) = Female Socket

*With a comprehensive line of RF connectors, we can provide a complete connectivity solution. We stock 50 and 75 ohm cables for Audio, Video and Data requirements, including hook-up cables for satellite and CATV installations; RCA cables and adapter cables for TV, DVD and VHS hook-ups; as well as BNC cables for networking and video applications. If not in stock in our warehouse, our custom cable department offers the capability to build any assembled or molded cable to your custom length or configuration, including BNC, 'N' UHF, Mini-UHF, TNC, SMA and 'F' versions.*

## Deluxe RCA Audio Cables with Gold Connectors

**Deluxe Dual RCA Hook-Up & Dubbing Cables**
*with Gold Connectors, Molded Strain Relief, 75 Ohm, One Video - One Audio, Packaged for Retail Display.*

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 603DUGP | 3 feet | RCA (M) | RCA (M) |
| 606DUGP | 6 feet | RCA (M) | RCA (M) |
| 612DUGP | 12 feet | RCA (M) | RCA (M) |

**Deluxe RCA Hook-Up & Dubbing Cables**
*with Gold Connectors, Molded Strain Relief, 75 Ohm, Packaged for Retail Display.*

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 603RRGP | 3 feet | RCA (M) | RCA (M) |
| 606RRGP | 6 feet | RCA (M) | RCA (M) |

**Deluxe Triple RCA Hook-Up & Dubbing Cables**
*with Gold Connectors, Molded Strain Relief, 75 Ohm, One Video - Two Audio, Packaged for Retail Display.*

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 603DMGP | 3 feet | RCA (M) | RCA (M) |
| 606DMGP | 6 feet | RCA (M) | RCA (M) |
| 612DMGP | 12 feet | RCA (M) | RCA (M) |

## RCA Audio/Video/Speaker Cables

**RCA (STEREO) Hook-Up & Dubbing Cables**
*Molded Strain Relief, Shielded 75 Ohm, Red & White Color Coded, Packaged for Retail Display.*

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 6803P | 3 feet | RCA (M) | RCA (M) |
| 6806P | 6 feet | RCA (M) | RCA (M) |
| 6812P | 12 feet | RCA (M) | RCA (M) |
| 6825P | 25 feet | RCA (M) | RCA (M) |

**RCA (AUDIO) Hook-Up Cables**
*Molded Strain Relief, Shielded 75 Ohm, Packaged for Retail Display, Black.*

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 6706P | 6 feet | RCA (M) | RCA (M) |
| 6712P | 12 feet | RCA (M) | RCA (M) |
| 6725P | 25 feet | RCA (M) | RCA (M) |

(M) = Male Plug (F) = Female Socket

## Video Cables

**HDMI to HDMI Cables**
*For standard and High-Definition (720 &1080i) video formats providing up to 5Gbps of bandwidth*

| Part No. | Length | Conn.1 | Conn.2 |
|---|---|---|---|
| 30-1611-1 | 1 meter | HDMI (M) | HDMI (M) |
| 30-1611-2 | 2 meter | HDMI (M) | HDMI (M) |
| 30-1611-3 | 3 meter | HDMI (M) | HDMI (M) |
| 30-1611-5 | 5 meter | HDMI (M) | HDMI (M) |

**HDMI to DVI-D Single Link Cables**
*Designed for high-resolution video formats for connection of PC and Video components*

| Part No. | Length | Conn.1 | Conn.2 |
|---|---|---|---|
| 30-1612-1 | 1 meter | HDMI (M) | DVI (M) |
| 30-1612-2 | 2 meter | HDMI (M) | DVI (M) |
| 30-1612-3 | 3 meter | HDMI (M) | DVI (M) |
| 30-1612-5 | 5 meter | HDMI (M) | DVI (M) |

**SVHS Video Cables**
*Molded Strain Relief, 4-Pin Mini-Din, Black*

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 6SVHS-6P | 6 feet | MD4 (M) | MD4 (M) |
| 6SVHS-10P | 10 feet | MD4 (M) | MD4 (M) |
| 6SVHS-15P | 15 feet | MD4 (M) | MD4 (M) |
| 6SVHS-25P | 25 feet | MD4 (M) | MD4 (M) |
| 6SVHS-50P | 50 feet | MD4 (M) | MD4 (M) |

## Audio Cables & Adapters

**'Y' Adapter**
*(1) RCA Plug (M) to (2) RCA Jacks (F)*

**Part No.**
19-1671P

**'Y' Adapter**
*(2) RCA Plugs (M) to (1) RCA Jack (F)*

**Part No.**
19-1673P

**'Y' Adapter**
*Stereo 3.5 mm Mini-Plug (M) to (2) RCA Plugs (M)*

**Part No.**
19-1670P

**'Y' Adapter**
*Stereo 3.5 mm Mini-Plug (M) to (2) RCA Jacks (F)*

**Part No.**
19-1672P

**Stereo Adapter Cable**
*3.5 mm Plug (M) to RCA Plug (M)*

**Part No.**
19-1640P

**Stereo Adapter Cable**
*3.5 mm Plug (M) to 3.5 mm Plug (M)*

**Part No.**
19-1645P

**'F' Jack (F) to 3.5 mm Plug (M)**

**Part No.**
25-7540

**3.5 mm (M) to RCA Jack (F)**

**Part No.**
25-7560

**1/4" Stereo Jack (F) to 3.5 mm Plug (M)**

**Part No.**
19-1701

**1/4" Stereo Plug (M) to 3.5 mm Jack (F)**

**Part No.**
19-1706

(M) = Male Plug (F) = Female Socket

## 75 Ohm 'F' to 'F' Hook-Up Cables for MATV/CATV/SATV/VCR/DVD

**F-59 Hook-Up Cable with Gold Connectors**
*Molded Strain Relief, 75 Ohm, Packaged for Retail Display.*

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 612FFGP | 12 feet | F (M) | F (M) |
| 615FFGP | 15 feet | F (M) | F (M) |

**F-59 Hook-Up Cable with Molded Strain Relief**
*75 Ohm, Bulk Packaged.*

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 603FFBBU | 3 feet | F (M) | F (M) |

**RG-59 Hook-up Cables with Molded Strain Relief**
*75 Ohm, Packaged for Retail Display.*

| White | Length | Black | Conn. 1 | Conn. 2 |
|---|---|---|---|---|
| -------- | 6 inches | 666FFPB | F (M) | F (M) |
| 601FFP | 1 feet | 601FFPB | F (M) | F (M) |
| 602FFP | 2 feet | ---------- | F (M) | F (M) |
| 603FFP | 3 feet | 603FFPB | F (M) | F (M) |
| 606FFP | 6 feet | 606FFPB | F (M) | F (M) |
| 612FFP | 12 feet | 612FFPB | F (M) | F (M) |
| -------- | 15 feet | 615FFPB | F (M) | F (M |
| 625FFP | 25 feet | 625FFPB | F (M) | F (M) |
| 650FFP | 50 feet | 650FFPB | F (M) | F (M) |
| 675FFP | 75 feet | 675FFPB | F (M) | F (M) |
| 6100FFP | 100 feet | 6100FFPB | F (M) | F (M) |

**F-59 Hook-Up Cable with Gold 'Quick Disconnect' Push-On Connectors**
*Molded Strain Relief, 75 Ohm, Packaged for Retail Display.*

| Part No. | Length | Conn. 1 | Conn. 2 |
|---|---|---|---|
| 603QQGP | 3 feet | F (M) | F (M) |
| 606QQGP | 6 feet | F (M) | F (M) |
| 612QQGP | 12 feet | F (M) | F (M) |

**RG-6 Hook-up Cables with Molded Strain Relief**
*75 Ohm, Packaged for Retail Display.*

| White | Length | Black | Conn. 1 | Conn. 2 |
|---|---|---|---|---|
| 6-3FFP | 3 feet | 6-3FFPB | F (M) | F (M) |
| 6-6FFP | 6 feet | 6-6FFPB | F (M) | F (M) |
| 6-12FFP | 12 feet | 6-12FFPB | F (M) | F (M) |
| 6-25FFP | 25 feet | 6-25FFPB | F (M) | F (M) |

***Call today for pricing and availability on any custom length RG-59 or RG-6 'F' cable assemblies.***

## Silver Satin Flat Cables

**Modular Data Extension Cords**
*(M) to (M) Plugs, Straight-Wired*

| Part No. | Length | Color | Conductors |
|---|---|---|---|
| 30-4PP7 | 7 feet | Gray | 6P4C (RJ-11) |
| 30-4PP15 | 15 feet | Gray | 6P4C (RJ-11) |
| 30-4PP25 | 25 feet | Gray | 6P4C (RJ-11) |
| 30-6PP7 | 7 feet | Gray | 6P4C (RJ-12) |
| 30-6PP15 | 15 feet | Gray | 6P6C (RJ-12) |
| 30-6PP25 | 25 feet | Gray | 6P6C (RJ-12) |
| 30-8PP7 | 7 feet | Gray | 8P8C (RJ-45) |

**Modular Telephone Extension Cord**
*(M) to (M) Plugs, Cross-Wired*

| Part No. | Length | Color | Conductors |
|---|---|---|---|
| 32-1414 | 7 feet | Gray | 6P4C (RJ-11) |
| 32-1434 | 15 feet | Gray | 6P4C (RJ-11) |
| 32-1454 | 25 feet | Gray | 6P4C (RJ-11) |
| 32-6PP7 | 7 feet | Gray | 6P6C (RJ-12) |
| 32-6PP15 | 15 feet | Gray | 6P6C (RJ-12) |
| 32-6PP25 | 25 feet | Gray | 6P6C (RJ-12) |

## Coaxial LAN & Video Cables

**BNC Cable Assemblies**
*Shielded BNC (M) to BNC (M), Black*

| 50 Ohm RG-58 | Length | 75 Ohm RG-59 |
|---|---|---|
| 6035BBP | 3 feet | 603BBP |
| 6065BBP | 6 feet | 606BBP |
| 6012BBP | 12 feet | 612BBP |
| 6025BBP | 25 feet | 625BBP |
| ---------- | 50 feet | 650BBP |
| ---------- | 75 feet | 675BBP |

(M) = Male Plug (F) = Female Socket

## Custom Made Coaxial Cables

*As part of the Emerson Network Power Connectivity Solutions, we offer a wide selection of quality cables and jumpers in most connector styles and lengths. With production capabilities in USA, Mexico and Asia, we offer our customers the flexibility of quick turn assembled and molded cables in all styles and configurations, including Cat5E/6 jumpers, telco cables, Coaxial LAN, D-Sub, Audio/Video cables and many more.*

**RG-59 Audio & Video BNC to BNC Cables**
*Constructed of RG-59, 75 Ohm, 80% Braid, 22 AWG Stranded Cable, Matching Colored Boots & Cable.*

| Length | Black Part No. | Blue Part No. | Green Part No. | Red Part No. | Yellow Part No. |
|---|---|---|---|---|---|
| 3 feet | 73-6310-3 | 73-6311-3 | 73-6312-3 | 73-6313-3 | 73-6314-3 |
| 6 feet | 73-6310-6 | 73-6311-6 | 73-6312-6 | 73-6313-6 | 73-6314-6 |
| 10 feet | 73-6310-10 | 73-6311-10 | 73-6312-10 | 73-6313-10 | 73-6314-10 |
| 25 feet | 73-6310-25 | 73-6311-25 | 73-6312-25 | 73-6313-25 | 73-6314-25 |

**RG-59 Audio & Video RCA to RCA Cables**
*Constructed of RG-59, 75 Ohm, 80% Braid, 22 AWG Stranded Cable, Matching Colored Boots & Cable.*

| Length | Black Part No. | Blue Part No. | Green Part No. | Red Part No. | Yellow Part No. |
|---|---|---|---|---|---|
| 3 feet | 73-7410-3 | 73-7411-3 | 73-7412-3 | 73-7413-3 | 73-7414-3 |
| 6 feet | 73-7410-6 | 73-7411-6 | 73-7412-6 | 73-7413-6 | 73-7414-6 |
| 10 feet | 73-7410-10 | 73-7411-10 | 73-7412-10 | 73-7413-10 | 73-7414-10 |
| 25 feet | 73-7410-25 | 73-7411-25 | 73-7412-25 | 73-7413-25 | 73-7414-25 |

**RG-58 Thin Ethernet BNC to BNC Cables**
*Constructed of 50 Ohm, 95% Braid & 100% Foil Shield Cable, 20 AWG Stranded (Belden 9907 Equivalent), Black PVC Cable.*

| Length | Black Boots Part No. | Blue Boots Part No. | Green Boots Part No. | Red Boots Part No. | Yellow Boots Part No. |
|---|---|---|---|---|---|
| 3 feet | 73-6340-3 | 73-6361-3 | 73-6362-3 | 73-6363-3 | 73-6364-3 |
| 6 feet | 73-6340-6 | 73-6361-6 | 73-6362-6 | 73-6363-6 | 73-6364-6 |
| 10 feet | 73-6340-10 | 73-6361-10 | 73-6362-10 | 73-6363-10 | 73-6364-10 |
| 25 feet | 73-6340-25 | 73-6361-25 | 73-6362-25 | 73-6363-25 | 73-6364-25 |

***As with all of our custom built cables, additional sizes are always available!***

**RG-58AU & RG-58 Thin Ethernet BNC to BNC Cables**
*Constructed of RG-58AU, 50 Ohm, 95% Braid, 20 AWG Stranded Cable (Belden 8219 Equivalent), Black PVC Cable.*

| Length | Black Boots Part No. | Blue Boots Part No. | Green Boots Part No. | Red Boots Part No. | Yellow Boots Part No. |
|---|---|---|---|---|---|
| 3 feet | 73-6300-3 | 73-6351-3 | 73-6352-3 | 73-6353-3 | 73-6354-3 |
| 6 feet | 73-6300-6 | 73-6351-6 | 73-6352-6 | 73-6353-6 | 73-6354-6 |
| 10 feet | 73-6300-10 | 73-6351-10 | 73-6352-10 | 73-6353-10 | 73-6354-10 |
| 25 feet | 73-6300-25 | 73-6351-25 | 73-6352-25 | 73-6353-25 | 73-6354-25 |

(M) = Male Plug (F) = Female Socket

## Other Custom Made Cables

**LAN Crossover Patch Cables**
*4 Pair UTP, 24 AWG Stranded, RJ-45 to RJ-45, EIA568B, with Matching Colored Boots & Cable (unless otherwise specified).*

| Length | Cat 5E-350 MHz | Cat 6-500 MHz |
|---|---|---|
| 3 feet | 74-778_X-3 | 74-888_X-3 |
| 7 feet | 74-778_X-7 | 74-888_X-7 |
| 10 feet | 74-778_X-10 | 74-888_X-10 |
| 14 feet | 74-778_X-14 | 74-888_X-14 |
| 25 feet | 74-778_X-25 | 74-888_X-25 |
| 50 feet | 74-778_X-50 | 74-888_X-50 |

Colors: '_'= 0-Gray, 1-Black, 2-Blue, 3-Green, 4-Red, 5-Yellow, 6-White, 7-Orange, 8-Pink, 9-Purple

**25 Pair TELCO Cable Assemblies**
*AMP 50 Pin Centronics Connector, 25 Pair, 24 AWG, USOC Wired*

| Length | (M) to (M) | (M) to (F) |
|---|---|---|
| 6 feet | 73-6930-6 | 73-6940-6 |
| 10 feet | 73-6930-10 | 73-6940-10 |
| 25 feet | 73-6930-25 | 73-6940-25 |
| 50 feet | 73-6930-50 | 73-6340-50 |

**V.35 Cable Assemblies**
*V.35 to V.35 using 18 1/2 Pair Low Capacitance Dual Shielded Cable*

| Length | (M) to (M) | (M) to (F) |
|---|---|---|
| 6 feet | 73-6500-6 | 73-6510-6 |
| 10 feet | 73-6500-10 | 73-6510-10 |
| 25 feet | 73-6500-25 | 73-6510-25 |
| 50 feet | 73-6500-50 | 73-6510-50 |

***Call today for pricing and availability on any custom cable assemblies.***

***Most name brand and equivalent connector styles are available to build to your configuration and specifications!***

**DB-9 to DB-9, D-Subminiature Cables**
*Fully loaded using 4 1/2 Pair, Dual Shield, Low Capacitance Cable.*

| Length | (M) to (M) Part No. | (M) to (F) Part No. | (F) to (F) Part No. |
|---|---|---|---|
| 6 feet | 73-6210MM-6 | 73-6210MF-6 | 73-6210FF-6 |
| 10 feet | 73-6210MM-10 | 73-6210MF-10 | 73-6210FF-10 |
| 25 feet | 73-6210MM-25 | 73-6210MF-25 | 73-6210FF-25 |
| 50 feet | 73-6210MM-50 | 73-6210MF-50 | 73-6210FF-50 |

**DB-15 to DB-15, D-Subminiature Cables**
*Fully loaded using 7 1/2 Pair, Dual Shield, Low Capacitance Cable.*

| Length | (M) to (M) Part No. | (M) to (F) Part No. | (F) to (F) Part No. |
|---|---|---|---|
| 6 feet | 73-6220MM-6 | 73-6220MF-6 | 73-6220FF-6 |
| 10 feet | 73-6220MM-10 | 73-6220MF-10 | 73-6220FF-10 |
| 25 feet | 73-6220MM-25 | 73-6220MF-25 | 73-6220FF-25 |
| 50 feet | 73-6220MM-50 | 73-6220MF-50 | 73-6220FF-50 |

**DB-25 to DB-25, D-Subminiature Cables**
*Fully loaded using 12 1/2 Pair, Dual Shield, Low Capacitance Cable.*

| Length | (M) to (M) Part No. | (M) to (F) Part No. | (F) to (F) Part No. |
|---|---|---|---|
| 6 feet | 73-6230MM-6 | 73-6230MF-6 | 73-6230 FF-6 |
| 10 feet | 73-6230MM-10 | 73-6230MF-10 | 73-6230 FF-10 |
| 25 feet | 73-6230MM-25 | 73-6230MF-25 | 73-6230 FF-25 |
| 50 feet | 73-6230MM-50 | 73-6230MF-50 | 73-6230 FF-50 |

(M) = Male Plug (F) = Female Socket

## Fiber Optic Patch Cables

*We offer a wide selection of quality fiber jumpers in most connector styles and lengths through our Optical division. Warehoused in Maryland, most standard configurations can be shipped same day. Custom lengths and configurations can be manufactured and shipped with a slightly longer lead time.*

**Multimode Patch Cord Styles**

| | | | Insertion Loss (db) | |
|---|---|---|---|---|
| **Connector** | **Cable Type** | **Polish Type** | **Typical** | **Max** |
| FCA SC | 50/125 µm, 62.5/125 µm | PC | <=-0.2 | <=-0.35 |
| FCA ST | 50/125 µm, 62.5/125 µm | PC | <=-0.2 | <=-0.35 |
| SC | 50/125 µm, 62.5/125 µm | PC | n/a | <=-0.5 |
| ST | 50/125 µm, 62.5/125 µm | PC | n/a | <=-0.5 |
| FC | 50/125 µm, 62.5/125 µm | PC | n/a | <=-0.5 |
| LC | 50/125 µm, 62.5/125 µm | PC | n/a | <=-0.5 |
| MU | 50/125 µm, 62.5/125 µm | PC | n/a | <=-0.5 |
| MT-RJ | 50/125 µm, 62.5/125 µm | Flat | n/a | <=-0.5 |
| MTP | 62.5/125 µm | Flat | n/a | <=-0.5 |
| FDDI | 62.5/125 µm | PC | n/a | <=-0.5 |
| Escon | 62.5/125 µm | PC | n/a | <=-0.5 |
| D4 | 62.5/125 µm | PC | n/a | <=-0.5 |
| Optiplug | 62.5/125 µm | PC | n/a | <=-0.5 |
| Optjack | 62.5/125 µm | PC | n/a | <=-0.5 |
| Min BNC | 62.5/125 µm | PC | n/a | <=-0.5 |
| Biconic | 62.5/125 µm | PC | n/a | <=-1.30 |
| SMA 905 | 62.5/125 µm | PC | n/a | <=-1.30 |
| SMA 906 | 62.5/125 µm | PC | n/a | <=-1.30 |

***Call today for pricing and availability on our wide selection of standard length jumpers. Custom lengths and connector configurations are always available!***

| *Standard Fiber Jumper* | *Single mode* | *Multimode* | *Multimode* |
|---|---|---|---|
| **Cable Specifications** | **8.3/125 µm** | **62.5/125 µm** | **50/125 µm** |
| Buffer material | PVC | PVC | PVC |
| Buffer OD | 900 µm | 900 µm | 900 µm |
| Jacket material | PVC | PVC | PVC |
| Jacket OD | 3.0 mm | 3.0 mm | 3.0 mm |
| Jacket color | Yellow | Orange | Orange |
| Attenuation | 1.0 db/km @1310 nm | 3.75 db/km @850 nm | 3.75 db/km @850 nm |
| Attenuation | 75 db/km @1550 nm | 1.5 db/km @1310 nm | 1.5 db/km @1310 nm |
| Min. bandwidth | ----- | 160 kHz/km @850 nm | 160 kHz/km @850 nm |
| Min. bandwidth | ----- | 500 kHz/km @1310 nm | 500 kHz/km @1310 nm |
| Serial Gigabit Ethernet Distance (m) | ----- | ----- | 850 nm/1300 nm 600/600 |
| Serial 10 Gigabit Ethernet Distance (m) | ----- | ----- | 850 nm/1300 nm 82/- |
| Maximum tensile load | 100 N/cm | 100 N/cm | Maximum tensil load 100 N/cm |
| Loaded min. bend radius | 5 cm | 5 cm | Loaded min. bend radius 5 cm |
| Unloaded min. bend radius | 3 cm | 3 cm | Unloaded min. bend radius 3 cm |
| Crush resistance | 750 N/cm | 750 N/cm | Crush resistance 750 N/cm |
| Impact resistance | 1,000 cycles | 1,000 cycles | Impact resistance 1,000 cycles |
| Flex resistance | 5,000 cycles | 5,000 cycles | Flex resistance 5,000 cycles |

*Our LAN patch cables are designed and tested to meet and exceed ANSI/TIA-568-B.2 Category 5E and ANSI/TIA-568-B.2-1 Category 6 industry standards. Available in assembled and molded low-profile boots, we offer a wide selection of 10 standard colors and 9 standard lengths. These cables are constructed of 24 AWG unshielded twisted pair 350 MHz and 500 MHz UL cable, and are stocked in our centrally located warehouse in Waseca, Minnesota.*

*In addition, our custom cable department is ready and able to build any custom length or special configuration LAN cable in all 10 standard colors, including crossover and shielded twisted pair patch cables. Private labeling and packaging are always available, just call with your custom requirements, and let us work for you!*

## Category 5E & 6 Patch Cables

### *Features:*

- Cables are designed with 50u" Gold-Plated Modular Plugs
- Molded Cables have a Flexible Low-Profile Snagless Strain Relief
- Cat5E Cables are constructed of UL 350 MHz 24 AWG UTP Cable
- Cat6 Cables are constructed of UL 500 MHz 24 AWG UTP Cable
- All Cables are Retail Packaged with UPC-A Barcode
- ETL Tested & Verified to Category 5E and Category 6 Standards

| | Cat5E Assembled | Cat5E Molded & Booted | Cat6 Molded & Booted |
|---|---|---|---|
| **Length** | **Part No.** | **Part No.** | **Part No.** |
| 1 ft. | 73-777x-1 | 73-779x-1 | 73-889x-1 |
| 3 ft. | 73-777x-3 | 73-779x-3 | 73-889x-3 |
| 5 ft. | 73-777x-5 | 73-779x-5 | 73-889x-5 |
| 7 ft. | 73-777x-7 | 73-779x-7 | 73-889x-7 |
| 10 ft. | 73-777x-10 | 73-779x-10 | 73-889x-10 |
| 14 ft. | 73-777x-14 | 73-779x-14 | 73-889x-14 |
| 25 ft. | 73-777x-25 | 73-779x-25 | 73-889x-25 |
| 50 ft. | 73-777x-50 | 73-779x-50 | 73-889x-50 |
| 100 ft. | 73-777x-100 | 73-779x-100 | 73-889x-100 |

X=Colors 0 (Gray), 1 (Black), 2 (Blue), 3 (Green), 4 (Red), 5 (Yellow), 6 (White), 7 (Orange), 8 (Pink), 9 (Purple)

***Custom length assembled patch cables and crossover cables are also available with or without boots in all standard colors, as well as in pink, purple and orange, upon request.***

### Category 5E Assembled Patch Cables

These assembled type cables are constructed of Stranded 350 MHz UL Cable, Category 5E rated RJ-45 Plugs, and are built to the EIA568B standard configuration. (Example: Assembled, Green, 10 ft. = p/n 73-7773-10.)

### Category 6 Molded Patch Cables

Designed with a low profile molded boot, these cables are constructed of Stranded 500 MHz UL Cable, Category 6 rated RJ-45 Plugs, and are built to the EIA568B standard configuration. (Example: Molded, Black, 3 ft. = p/n 73-8891-3.)

### Category 5E Molded Patch Cables

Designed with a low profile molded boot, these cables are constructed of Stranded 350 MHz UL Cable, Category 5E rated RJ-45 Plugs, and are built to the EIA568B standard configuration. (Example: Molded, Gray, 7 ft. = p/n 73-7790-7.)

*These premium quality UL listed modular plugs are manufactured in the USA to meet or exceed the high data transmission standards required by current voice and data communication standards. They are designed to work with most standard crimp tools, as well as the complete line of* ***Emerson*** *crimp tools as found on page 52. These connectors are available in 4, 6, 8 and 10 pin versions, and the gold contacts consist of 50 micro-inch gold plating, and are built to work with both solid and stranded conductor cables.*

## Modular Plugs

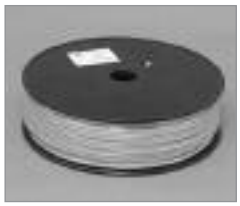
***Features:***

- 50 micro-inch Gold-Plated contacts
- Easy Installation with most Crimp Tools
- UL Listed & Certified
- Made in U.S.A.

| Part No. | Figure | RJ-11 (6p4c) | RJ-12 (6p6c) | RJ-45 (8p8c) | CAT5 | CAT5e | CAT6 | Straight | Offset | Load Bar | Solid | Stranded | Flat | Round | Unshielded |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32-5964UL | A | Handset Plug RJ-22 (4p4c) | | | ✓ | | | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| 32-5954UL | B | ✓ | | | ✓ | | | ✓ | | | ✓ | ✓ | ✓ | | ✓ |
| 32-5994UL | B | ✓ | | | ✓ | | | ✓ | | | ✓ | ✓ | | ✓ | ✓ |
| 32-5956UL | C | | ✓ | | ✓ | | | ✓ | | | ✓ | ✓ | ✓ | | ✓ |
| 32-5996UL | C | | ✓ | | ✓ | | | ✓ | | | ✓ | ✓ | | ✓ | ✓ |
| 32-2098UL | F | | | ✓ | ✓ | | | ✓ | | | ✓ | ✓ | | ✓ | Shielded |
| 32-5958UL | D | | | ✓ | ✓ | | | ✓ | | | ✓ | ✓ | ✓ | | ✓ |
| 32-5998UL | D | | | ✓ | ✓ | | | ✓ | | | ✓ | ✓ | | ✓ | ✓ |
| 32-5998EUL | D | | | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | | ✓ | ✓ |
| 32-2198UL | D | | | ✓ | | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ |
| 32-6198UL (Works with Belden 1872A and Bonded Cat6 7881 Wire) | D | | | ✓ | | | ✓ | | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ |
| 32-5910UL | E | | | RJ-45 (10p10p) | ✓ | | | ✓ | | | ✓ | ✓ | | ✓ | ✓ |

**Cat5E & Cat6 Stranded Patch Cable**
*4 pair, 24 AWG Unshielded, EIA/TIA 568, 1,000 ft. 'Reel in Box' with cable length markings.*

| Cat5E (350 MHz) | Color | Cat6 (500 MHz) |
|---|---|---|
| 65-9580 | Gray | 65-9680 |
| 65-9581 | Black | 65-9681 |
| 65-9582 | Blue | 65-9682 |
| 65-9583 | Green | 65-9683 |
| 65-9584 | Red | 65-9684 |
| 65-9585 | Yellow | 65-9685 |
| 65-9586 | White | 65-9686 |
| 65-9587 | Orange | 65-9687 |
| 65-9588 | Pink | 65-9688 |
| 65-9589 | Purple | 65-9689 |



**Flat Silver Satin Telephone and Computer Equipment Wire**
*28 AWG, Stranded Wire , Spool, Gray*

| Part No. | Cond. | Length | Listing |
|---|---|---|---|
| 65-TF254C | 4 | 500 feet | non-UL |
| 65-TF224M | 4 | 1,000 feet | non-UL |
| 65-TF256C | 6 | 500 feet | non-UL |
| 65-TF226M | 6 | 1,000 feet | non-UL |
| 65-TF258C | 8 | 500 feet | non-UL |
| 65-TF228M | 8 | 1,000 feet | non-UL |
| 65-TF264M | 4 | 1,000 feet | UL Listed |
| 65-TF266M | 6 | 1,000 feet | UL Listed |
| 65-TF268M | 8 | 1,000 feet | UL Listed |

**Colored Snagless Boots**
*for RJ-45 8 Conductor Shielded and Unshielded Modular Plugs.*

| Color | Round |
|---|---|
| Gray | 30-2900GY |
| Black | 30-2900BK |
| Blue | 30-2900BU |
| Green | 30-2900GN |
| Red | 30-2900RE |
| Yellow | 30-2900YE |
| White | 30-2900WH |

## Telephone Butt Splices

**UR Connector**
*3 Ports for 2 or 3 Wire Connections, for 19-26 AWG Wire.*

| Part No. |
|---|
| 32-5001 |

**UY Connector**
*Bundle Splice for 2 Wire Connections, for 22-26 AWG Wire.*

| Part No. |
|---|
| 32-5002 |

**UB Connector**
*Space Saving Tap Connector to tap into existing wire without interruption, for 22-26 AWG Wire.*

| Part No. |
|---|
| 32-5003 |

**B-Wire Connector**
*Splices 17 AWG Bare and 22 AWG Insulated Wire.*

| Part No. | Quantity |
|---|---|
| 32-6000M | 1,000 per pack |
| 32-6001C | 100 per pack |

## Modular Couplers & Adapters

**Shielded Cat5e RJ-45 Modular In-Line Coupler**
*Straight Wired*

| Part No. | Color |
|---|---|
| 30-9242 | Black |

**Unshielded Cat5e Panel Mount RJ-45 Modular In-Line Coupler**
*Wired Straight for Data Applications.*

| Part No. | Color | Pins |
|---|---|---|
| 30-9344G | Gray | 8 |
| 30-9344B | Black | 8 |
| 30-9344W | White | 8 |
| 30-9344 I | Ivory | 8 |

**Unshielded Modular Duplex Adapter**
*for splitting Voice, Modem, Fax and Data Lines.*

| Part No. | Color | Pins |
|---|---|---|
| 32-1014 | Ivory | 4 |
| 32-1014W | White | 4 |
| 32-1016 | Ivory | 6 |
| 32-1016W | White | 6 |
| 32-1018 | Ivory | 8 |
| 32-1018W | White | 8 |

**RJ-11 Three-Way Modular Adapter**

| Part No. | Color | Pins |
|---|---|---|
| 32-1044 | Ivory | 4 |

**Unshielded Modular In-Line Coupler**
*Cross Wired for Voice Applications.*

| Part No. | Color | Pins |
|---|---|---|
| 32-1004 | Ivory | 4 |
| 32-1004W | White | 4 |
| 32-1006 | Ivory | 6 |

**Unshielded Modular In-Line Coupler**
*Wired Straight for Data Applications.*

| UL Part No. | Color | Pins |
|---|---|---|
| 30-1004UL | Ivory | 4 |
| 30-1006UL | Ivory | 6 |
| 30-1008KUL | Ivory | 8 |

## Modular Tools

**4" UTP Stripping Tool**
*Strips 2, 4, 6 & 8 cond. Flat or Round Cable Solid and Stranded from 3.5 mm-9 mm.*

| Part No. |
|---|
| 24-7740P |

**Modular Crimping Tool**
*Crimps & Strips 4, 6, 8 & 8 Keyed Modular Plugs, also works on AMP & Stewart Connectors*
.

| Part No. | Style |
|---|---|
| 24-4680P | Non-Ratchet |
| 24-4680RP | Ratchet |

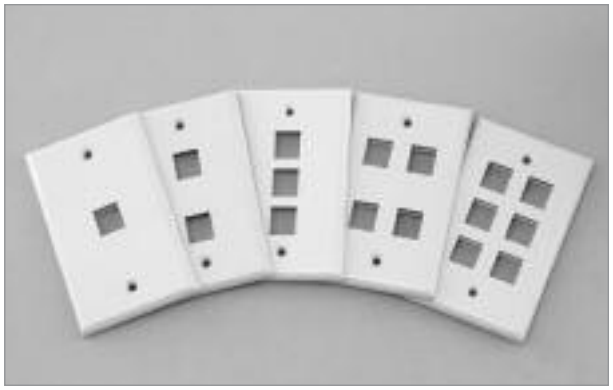
**Pro-Series Impact Punch Down Tool**
*Has a 66 & 110 Blade, a Twist Lock Mechanism, and Adjustable Impact Control.*

| Part No. |
|---|
| 24-418P |

**LANtest Remote Cable Tester**
*Tests Pinout & Continuity for 4,6 & 8 pin USOC, RJ-45 568 A&B and Thinnet BNC Connections.*

| Part No. |
|---|
| 24-517 |

## Keystone Wallplates



**Standard Series Keystone Wallplates**
*Plastic, Individually Retail Packaged*

| Ports | Ivory | White |
|---|---|---|
| 1 Port | 30-9209 | 30-9429 |
| 2 Port | 30-9210 | 30-9420 |
| 3 Port | 30-9211 | 30-9421 |
| 4 Port | 30-9223 | 30-9423 |
| 6 Port | 30-9212 | 30-9422 |

## Keystone Jacks

**Cat5E RJ-45 Keystone Jacks (8p8c)**
*ach 110 IDC is color coded for EIA 568A & 568B termination and each jack is designed to fit in any standard keystone wall-plate or surface mount box.*

| 90° | 180° | Color |
|---|---|---|
| 30-7511 | 30-7711 | Black |
| 30-7512 | 30-7712 | Blue |
| 30-7513 | 30-7713 | Green |
| 30-7514 | 30-7714 | Red |
| 30-7515 | 30-7715 | Yellow |
| 30-7516 | 30-7716 | White |
| 30-7517 | 30-7717 | Orange |
| 30-7518 | 30-7718 | Ivory |
| --------- | 30-7719 | Gray |

**90° Cat3 Tool-less Keystone USOC Jacks (Voice - 6p6c)**

| Part No | Color |
|---|---|
| 30-9201 | Black |
| 30-9201BU | Blue |
| 30-9201RE | Red |
| 30-9201WH | White |
| 30-9201 IV | Ivory |

**Shielded CAT5E RJ-45 Keystone Jacks (8p8c)**

| Part No. |
|---|
| 33-7720 |

## Keystone Inserts

**Keystone Blank Filler Insert**

| Part No. | Color |
|---|---|
| 30-9213 | Ivory |
| 30-9213W | White |

**Unshielded Cat 5e RJ-45 Keystone Feed Through Adapter**

| Part No | Color |
|---|---|
| 30-9344B | Black |
| 30-9344I | Ivory |
| 30-9344G | Gray |
| 30-9344W | White |

**Unshielded Cat 4 RJ-45 Keystone Feed Through Adapter**
*Black*

| Part No. |
|---|
| 30-9240 |

*Our Patch Panels and Keystone Jacks are designed to provide a high reliability in data transmissions meeting or exceeding UL and EIA/TIA specifications. Each 110 IDC is color-coded for EIA 568A and 568B termination and each panel is individually boxed and includes 110 IDC dust caps, mounting screws and a disposable 110 IDC termination tool. Our Keystone Jacks and inserts are designed to fit in any standard keystone wallplate or surface mount box. Also see our complete offering of preassembled modular telephone wallplates and biscuit blocks on page 44.*

## Category 5E Patch Panels

***These patch panels are designed to provide a high reliability in data transmissions meeting or exceeding UL and EIA/TIA specifications.***

***Each 110 IDC is color coded for EIA 568A & 568B termination, and each panel is individually boxed and includes 110 IDC dust caps, mounting screws, and a disposable 110 IDC termination tool.***

**19" Rack Mount Cat5E Patch Panels**
*RJ-45/110 IDC, EIA 568A/B*

| Part No. | Ports | Description |
|---|---|---|
| 30-7422AB | 16 Port Cat5e | 1.75" x 19" |
| 30-7424AB | 24 Port Cat5e | 1.75" x 19" |
| 30-7448AB | 48 Port Cat5e | 3.50" x 19" |

**Vertical Wall Mount w/Bracket**
*RJ-45/110 IDC, EIA 568A/B*

| Part No. | Ports |
|---|---|
| 30-8412AB | 12 Port Cat5e |

## 66 Block & Bracket

***These 66 blocks are designed for termination of all voice, fax and modem lines in the closet where reliability is a necessity. These blocks meet or exceed voice grade specifications, terminate 22 to 26 AWG cross connect wire, and wall mount on our standard 89B bracket.***

| Part No. | Description |
|---|---|
| 30-5760 | 50 Pair - 66 Block |
| 30-5765 | 89B Mounting Bracket |

## Mounting Hardware

**Hinged Wallmount Patch Panel Bracket**
*5" depth, EIA/TIA Threaded Hole Pattern, Metal, Black*

| Part No. | Ports | H | W | D |
|---|---|---|---|---|
| 30-5620 | 12, 16, 24 | 1.75" | x 19" | x 5" |
| 30-5624 | 32, 48 | 3.5" | x 19" | x 5" |
| 30-5648 | 96 | 7.0" | x 19" | x 5" |
| 30-5696 | 128 | 8.75" | x 19" | x 5" |

**Hinged Wallmount Patch Panel Bracket**
*12" depth, EIA/TIA Threaded Hole Pattern, Metal, Black*

| Part No. | Ports | H | W | D |
|---|---|---|---|---|
| 30-5648-12 | 96 | 7.0" | x 19" | x 12" |

## Modular Surface Mount Boxes

**Single Port Surface Mount Box**
*Category 4 Screw Termination, Bottom Entry Wiring*

| Part No. | Color | Pins |
|---|---|---|
| 32-2034 | Ivory | 4 |
| 32-2034W | White | 4 |
| 32-2036 | Ivory | 6 |
| 32-2036W | White | 6 |
| 32-2038 | Ivory | 8 |
| 32-2038W | White | 8 |

**Category 5E Surface Mount Boxes**
*PC Board Design, RJ-45/110 IDC, EIA 568A & 568B Termination, Plastic Housing*

| Part No. | Ports | Color | Pins |
|---|---|---|---|
| 30-5198ABi | 1 Port | Ivory | 8 |
| 30-5198ABW | 1 Port | White | 8 |
| 30-5298ABi | 2 Port | Ivory | 8 |
| 30-5298ABW | 2 Port | White | 8 |

**Dual Cat4 RJ-45 Surface Box**
*4 or 8 Conductor Screw Termination*

| Part No. | Color | Pins | Termination |
|---|---|---|---|
| 32-2234 | Ivory | 8 | 8 Screws |
| 32-2234W | White | 8 | 8 Screws |

**Single RJ-31X Surface Jack**
*8 Position with Shorting Bar, Screw Termination*

| Part No. | Color | Pins |
|---|---|---|
| 32-2058K | Ivory | 8 |

**Single Port RJ-11 Surface Box**
*Rear Entry Wiring, Screw Termination*

| Part No. | Color | Pins |
|---|---|---|
| 32-2044 | Ivory | 4 |
| 32-2044W | White | 4 |

## Modular Telephone Wallplates

**Wallmount Telephone RJ-11 Wallplate**

| Part No. | Color | Pins | Blister No. |
|---|---|---|---|
| 32-1224 | Ivory | 4 | 31-1224P |
| 32-1224W | White | 4 | 31-1224WP |

**Single Port Cat 4 Voice & Data Wallplates**
*Standard Finish*

| Part No. | Color | Pins |
|---|---|---|
| 32-1204 | Ivory | 4 |
| 32-1204W | White | 4 |

**Single Port Category 4 Telephone Wallplate**
*Smooth Finish*

| Part No. | Color | Pins |
|---|---|---|
| 32-1205 | Ivory | 4 |
| 32-1205W | White | 4 |

**Dual Port Telco & CATV Wallplate**
*RJ-11 & F-81, Standard Finish*

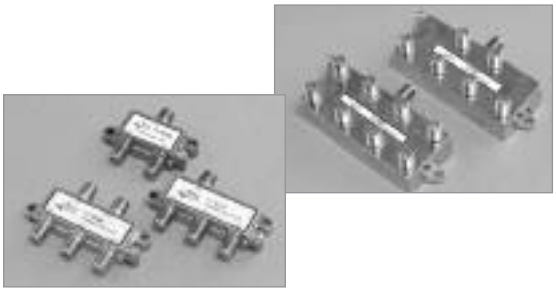
| Part No. | Color | Pins |
|---|---|---|
| 32-1324 | Ivory | 4 |
| 32-1324W | White | 4 |

**Dual Port Cat 4 Voice & Data Wallplates**
*Standard Finish*

| Part No. | Color | Pins |
|---|---|---|
| 32-1214 | Ivory | 4 |
| 32-1214W | White | 4 |

*We offer the most complete line of active and passive CATV interconnection devices from one distribution point. From digital splitters to miniature drop amplifiers to CATV termination accessories, our products are built to meet the specifications and expectations of your local cable carrier, as well as the home installer. If you don't see the accessory that you need, please call us because chances are that we have it in stock!*

## CATV Economy Splitters



**CATV Economy Splitters**
*5 MHz to 900 MHz*

*Features epoxy sealed back plate providing weatherproof protection. Port spacing allows for easy installation of security shields, and each comes complete with a grounding screw.*

| Part No. | Ports | Style | Bandwith | Isolation Loss | Insertion Loss |
|---|---|---|---|---|---|
| 11-4120 | 2-Way | Horizontal | 5 MHz - 900 MHz | 20db | 3.5db |
| 11-4130 | 3-Way | Horizontal | 5 MHz - 900 MHz | 20db | 6.5db/1@3.5db |
| 11-4140 | 4-Way | Horizontal | 5 MHz - 900 MHz | 30db | 6.5db |
| 11-4060 | 6-Way | Vertical | 5 MHz - 900 MHz | 30db | 10db |
| 11-4080 | 8-Way | Vertical | 5 MHz - 900 MHz | 30db | 10db |

## CATV Splitters - 5 MHz to 900 MHz

**CATV 2-Way, Mini-Splitter**
*5 MHz to 900 MHz*

| Part No. |
|---|
| 11-4110 |

*Features epoxy sealed back plate. DC Passive 'T' style mini-housing designed for tight spaces. Horizontal port layout.*

***Isolation loss:*** *20db*
***Insertion Loss:*** *3.5db*

**Power Passing VHF Splitters**
*5 MHz to 900 MHz*

*AC/DC Power Path clearly marked from Input to Output and AC/DC Power Path via Induction from Input to 1 Output. Power Blocking from Input to all Remaining Outputs.*

| Part No. | Ports | Style | Bandwith | Isolation Loss | Insertion Loss |
|---|---|---|---|---|---|
| 11-4820 | 2-Way | Horizontal | 5 MHz - 900 MHz | 30db | 3.5db |
| 11-4830 | 3-Way | Horizontal | 5 MHz - 900 MHz | 30db | 6.5db/1@3.5db |
| 11-4840 | 4-Way | Horizontal | 5 MHz - 900 MHz | 30db | 6.5db |

## Viewsonics™ Digital Couplers/Drop Taps

**Digital Ready Indoor/Outdoor Coupler & Drop Taps**
*5 MHz to 1 GHz*

*These high isolation Power Passing Drop Taps, are constructed of precision machined 'F' connectors, mounted on a quality Zinc alloy diecast housing. A tin-plated and solder-sealed backplate provide over 110db RFI shielding and a high degree of anticorrosion protection. Available in Wallplate and 'T' type versions.*

| DT (T-Type) | DTW (Wallplate) | In | Out | Tap | Tap Value |
|---|---|---|---|---|---|
| VSDDT4 | VSDPDCW4 | 1 | 1 | 1 | 4db |
| VSDDT6 | VSDPDCW6 | 1 | 1 | 1 | 6db |
| VSDDT8 | VSDPDCW8 | 1 | 1 | 1 | 8db |
| VSDDT9 | VSDPDCW9 | 1 | 1 | 1 | 9db |
| VSDDT10 | VSDPDCW10 | 1 | 1 | 1 | 10db |
| VSDDT14 | VSDPDCW14 | 1 | 1 | 1 | 14db |
| VSDDT18 | VSDPDCW18 | 1 | 1 | 1 | 18db |

## Power Passing Drop Taps - 5 MHz to 900 MHz

*High Isolation Power Passing Drop Taps, 82 Channel UHF/VHF/FM , low loss, plated metal housing with hole for mounting, vertical port design.*

| Part No. | In | Out | Tap | Isolation |
|---|---|---|---|---|
| 11-4310-12 | 1 | 1 | 1 | 12db |
| 11-4310-17 | 1 | 1 | 1 | 17db |
| 11-4310-23 | 1 | 1 | 1 | 23db |

| Part No. | In | Out | Tap | Isolation |
|---|---|---|---|---|
| 11-4320-12 | 1 | 1 | 2 | 12db |
| 11-4320-17 | 1 | 1 | 2 | 17db |
| 11-4320-23 | 1 | 1 | 2 | 23db |

| Part No. | In | Out | Tap | Isolation |
|---|---|---|---|---|
| 11-4340-12 | 1 | 1 | 4 | 12db |
| 11-4340-17 | 1 | 1 | 4 | 17db |
| 11-4340-23 | 1 | 1 | 4 | 23db |

## Blocking Coupler & A/B Slide Switch

**'F' Voltage Blocking Coupler**
*Blocks DC and Low Frequency AC Power-Bandwidth: DC to 1 GHz, Return Loss 25db, (M) to (F).*

| Part No. |
|---|
| 25-7901 |

**A/B Slide Switch**
*(2 to 1) or (1 to 2) use for 75 Ohm 'F' Hook-up cable. Allows quick selection of Cable, TV, Antenna or VCR. 60db isolation.*

| Part No. |
|---|
| 15-5020 |

## CATV 12- & 16-Way Splitters - 5 MHz to 1 GHz

**CATV Platinum Plus Splitter**
*Vertical, 5 MHz to 1 GHz*

*Features solder sealed back plate providing 130db RF shielding, a printed circuit design that ensures performance up to 1 GHz, and a specially plated Zinc housing allows for excellent corrosion resistance. Port spacing allows for easy installation of security shields, and each comes complete with a grounding screw.*

| Part No. | Ports | Housing | Bandwith | Port to Port Isolation | Insertion Loss |
|---|---|---|---|---|---|
| VSPSREP12 | 12-Way | Vertical Ports | 5 MHz - 1 GHz | 22db | 14db |
| VSPSREP16 | 16-Way | Vertical Ports | 5 MHz - 1 GHz | 25db | 15.5db |

## CATV Digital Splitters - 5 MHz to 1 GHz

**CATV Digital Ready Splitters**
*Vertical, 5 MHz to 1 GHz*

*Features solder sealed back plate providing 130db RF shielding, a printed circuit design that ensures performance up to 1 GHz, and a specially plated Zinc housing and 360° port sealing sleeves allow for excellent corrosion resistance. Port spacing allows for easy installation of security shields, and each comes complete with a grounding screw.*

| Part No. | Ports | Housing | Bandwith | Port to Port Isolation | Insertion Loss |
|---|---|---|---|---|---|
| VS2WDSV | 2-Way | Vertical Ports | 5 MHz - 1 GHz | 32db | 4.3db |
| VS3WDSV | 3-Way | Vertical Ports | 5 MHz - 1 GHz | 32db | 4.8/8.6db |
| VS3WBDSV | 3-Way Balanced | Vertical Ports | 5 MHz - 1 GHz | 28db | 7.5db |
| VS4WDSV | 4-Way | Vertical Ports | 5 MHz - 1 GHz | 32db | 8.6db |
| VS6WDSV | 6-Way | Vertical Ports | 5 MHz - 1 GHz | 33db | 11.1db |
| VS8WDSV | 8 Way | Vertical Ports | 5 MHz - 1 GHz | 30db | 13db |

**CATV Digital Ready Splitters**
*Horizontal, 5 MHz to 1 GHz*

*Features solder sealed back plate providing 130db RF shielding, a printed circuit design that ensures performance up to 1 GHz, and a specially plated Zinc housing and 360° port sealing sleeves allow for excellent corrosion resistance. Port spacing allows for easy installation of security shields, and each comes complete with a grounding screw.*

| Part No. | Ports | Housing | Bandwith | Port to Port Isolation | Insertion Loss |
|---|---|---|---|---|---|
| VS2WDS | 2-Way | Horizontal Ports | 5 MHz - 1 GHz | 32db | 4.3db |
| VS3WDS | 3-Way | Horizontal Ports | 5 MHz - 1 GHz | 32db | 4.8/8.6db |
| VS3WBDS | 3-Way Balanced | Horizontal Ports | 5 MHz - 1 GHz | 28db | 7.5db |
| VS4WDS | 4-Way | Horizontal Ports | 5 MHz - 1 GHz | 32db | 8.6db |
| VS6WDS | 6-Way | Horizontal Ports | 5 MHz - 1 GHz | 20db | 10db |
| VS8WDS | 8-Way | Horizontal Ports | 5 MHz - 1 GHz | 20db | 12db |

## CATV Digital Amplifiers - 54 MHz to 1 GHz

**Mini Drop Amplifier**
*54 MHz to 1 GHz (Boxed)*

*This compact digital ready amplifier is designed for restricted spaces and drop boxes, and features 6 KV combination wave surge protection, triple plated Zinc housing for maximum corrosion protection, precision machined brass 'F' Connectors and an Internal Diplexor for increased band isolation. Power Adapter included.*

| Part No. |
|---|
| VSMA601C |
| VSMA602C |
| VSMA604C |
| VSMA608C |

**Single Sided Mini Drop Amplifier**
*54 MHz to 1 GHz (Boxed)*

*This compact digital ready amplifier has all ports on one side for use in restricted spaces and drop boxes, and features 6 KV combination wave surge protection, triple plated Zinc housing for maximum corrosion protection, precision machined brass 'F' Connectors and an internal Diplexor for increased band isolation. Power Adapter included.*

| Part No. |
|---|
| VSMA611C |

**Digital Ready Drop Amplifier**
*54 MHz to 1 GHz (Boxed)*

*This full-size Amplifier features 6 KV combination wave surge protection, triple plated Zinc housing for maximum corrosion protection, diecast Zinc plated 'F' Connectors and an Internal Diplexor for increased band isolation. Power Adapter included, and available with or without Power Inserter. Power Adapter included.*

| Ports | w/o Power Inserter | w/Power Inserter |
|---|---|---|
| 1 | VSA601C | VSA601CPI |
| 4 | VSA604C | VSA604CPI |
| 8 | VSA608C | VSA608CPI |

## CATV Coaxial Amplifiers

**1 Way 25db TV/ VCR Amplifier**
**54 MHz to 900 MHz (Boxed)**

*Covers Mid & Super Bands 54 to 90 MHz, switchable FM Trap, 75 Ohm Input & Output, uses 110VAC Power Source, has built-in lightning protection, constructed with a heavy metal case, On/Off Light and a Low Noise-Integrated Circuit.*

**Gain:** 25db VHF, 23db UHF
**Noise:** Low 5.4db, High 6.2db, UHF 14db
FM Trap Attenuation: 20db 95-108 MHz

| Part No. |
|---|
| 14-4999 |

**1 Way 30db TV/ VCR Amplifier with Adjustable Gain**
*54 MHz to 900 MHz (Boxed)*

*Solid State UHF/VHF/FM Amplifier, 30db gain with Adjustable Gain Control, switchable FM Trap, 75 Ohm Input & Output, uses 110VAC Power Source, constructed with a heavy metal case, UL listed.*

**Gain:** 30db VHF, 26db UHF
**Bandwidth:** VHF 50-450 MHz
UHF 470-890 MHz

| Part No. |
|---|
| 14-4952 |

## CATV Modulator & Combiner

**Channel 3 Signal Combiner**
*Has six-stage bypass/bandstop filter with adjustable balancing attenuators, enabling the use to combine a channel 3 output signal from a STV, MDS, VCR or Video Game device with an existing MATV System containing adjacent channel 2 and 4. The filtering system provides excellent harmonic reduction from all types of modulators used in STV, MDS or VCR units. Individually boxed.*

| Part No. |
|---|
| 15-5883 |

**RF Modulator**
*Receives Composite Audio & Video Signals from your VCR, Computer or other sources, and feeds RF signals to your TV set. Selectable channel 3 or 4 output, instructions included. Individually boxed.*

| Part No. |
|---|
| 14-5641 |

## Attenuator Pads

**'F' Mini- Attenuator Pads**
*Nickel Plated, Accuracy within 5%, Return Loss 20db, 22 AWG Center Pin, DC to 1 GHz Bandwidth, (M) to (F)*

| Part No. | Attenuation |
|---|---|
| FLN1G | 1db |
| FLN2G | 2db |
| FLN3G | 3db |
| FLN6G | 6db |
| FLN8G | 8db |
| FLN10G | 10db |
| FLN12G | 12db |
| FLN16G | 16db |
| FLN20G | 20db |

## CATV/SATV Accessories

**Satellite & CATV Grounding Blocks**
*with Brass F-81 connectors and Zinc diecast block, includes 2 mounting and grounding screws.*

| Part No. | Style | Frequency |
|---|---|---|
| 12-2001 | Single | 2 GHz |
| 12-2002 | Dual | 2 GHz |

**CATV F-81 Grounding Blocks**
*Zinc diecast, includes 2 mounting screws.*

| Part No. | Style | Frequency |
|---|---|---|
| 25-7220 | Single | 900 MHz |
| 25-7221 | Dual | 900 MHz |

**CATV F-81 Grounding Blocks**
*Zinc diecast, includes 2 mounting screws.*

| Part No. | Style | Frequency |
|---|---|---|
| VSGB1-2G | Single | 2GHz |
| VSGB2-2G | Dual | 2GHz |

**Plastic Feed Thru Bushings**

| Part No. | Size | Style | Color |
|---|---|---|---|
| 25-7230 | RG-59 | Single | White |
| 25-7240 | RG-58 | Single | Black |
| 25-7231 | RG-6 | Single | White |
| 25-7241 | RG-6 | Single | Black |

**Plastic Cable Clips**
*with Mounting Nail.*

| Part No. | Size | Style | Color |
|---|---|---|---|
| 25-7250 | RG-59 | Single | White |
| 25-7260 | RG-59 | Single | Black |
| 25-7251 | RG-6 | Single | White |
| 25-7261 | RG-6 | Single | Black |
| 25-7263 | RG-6 | Dual | Black |

**COAX Seal**
*1/2" x 60" Moldable plastic. Seals fittings from moisture, Sold in 12 packs*

| Part No. |
|---|
| 25-7955 |

**Quick Disconnect Matching Transformer**
*with Piercing Screws, Plastic.*

**Input:** 75 Ohm
**Output:** 300 Ohm VHF/UHF

| Part No. |
|---|
| 10-2280 |

## TV/CATV/Satellite - F-81 Wallplates

**CATV/Satellite Wallplate with 2 GHz F-81 Connector**
*Flush Mount, Plastic*

| Part No. | Color | Ports |
|---|---|---|
| 25-7770I2 | Ivory | Single |
| 25-7770W2 | White | Single |
| 25-7890I2 | Ivory | Dual |
| 25-7890W2 | White | Dual |

**Blank F-81 Wallplate**
*3/8" Center hole, Flush Mount, Plastic*

| Part No. | Color | Ports |
|---|---|---|
| 25-7750W | White | Single |
| 25-7750 | Ivory | Single |
| 25-7790 | Ivory | Dual |

**Dual Port Telco & CATV Wallplate**
*RJ-11 & F-81, Flush Mount, Plastic*

| Part No. | Color | Ports |
|---|---|---|
| 32-1324 | Ivory | Dual |
| 32-1324W | White | Dual |

## Cable & Network Test Equipment

**Network Installers Kit**
*This tool kit is a complete LAN tool kit designed for the datacom/network consultant, installer, or value user. It comes complete with a 24-LANTEST Network Tester, plus Crimper, Coaxial Stripping Tool, Pro-Series Punch Down Tool and Modular Plugs in convenient zipper type carrying case.*

**Part No.** 24-LANKIT

**LANKIT Includes:**

| | |
|---|---|
| (1) 24-4680P | RJ-11/12/45 Crimper |
| (1) 24-418P | 66/110 Impact Punch Tool |
| (1) 24-7742P | Pocket Stripper & Punch Tool |
| (1) 24-LANTEST | Network Tester w/case |
| (1) -------- | Fabric Zipper Carrying Case |

*Also includes a mix of RJ-11/12/45 Plugs and an assortment of colored RJ-45 Strain Relief Boots.

## Cable Tester Kits

**Part No.** 24-517

**Tester Package Includes:**

| | |
|---|---|
| (2) | BNC Adapter Cables, 15 cm |
| (1) | BNC Adapter (M) to (M) |
| (1) | 6" RJ-45 Modular Cable |
| (1) | Deluxe Carrying Bag |

**LAN & Modular Cable Tester**
*This tester is designed to quickly read the correct pin configuration of 10/100 Base-T Cable (Cat 5/5E/6), 10 Base-2 Cable (coax), USOC RJ-45/RJ-11 Modular Cables, 356A, EIA/TIA-568A/B and Token Ring cables. With the remote terminator it can test cables installed up to 1,000 feet away through wall-plates and patch panels. It features auto or manual scan with pin-out LED indicators, it verifies cable continuity, opens, shorts, and reversed pairs, and it can check the cable ground. In addition, a power switch is provided for conserving battery power, and it comes standard with a handy carrying case.*

**Part No.** 24-LANTEST

**LAN & USB Cable Tester Kit**
*This tester is a palm-sized unit with four different testing ports: RJ-45, RJ-11, USB, and BNC for the testing of today's most popular media. It can be used to verify the condition of cables, both before and after their installation. A passive module can be detached for testing the remote end of installed network cabling. One button testing offers easy operation and multiple LEDs give clear testing results. The unit will also automatically shut off when not in use. Carrying case included.*

**Part No.**
24-513

**Network Cable Tester**
*Quickly tests popular network cable wiring such as 258A specified by AT&T or 10/100 BaseT-Ethernet standard. It is equipped with a set of dip switch and jumpers, which allows you to test the pin-out status or custom configure as needed. Leather carrying case included.*

*With such a large complement of connectors to offer, it is only fitting that you'll find an equally complete offering of* ***Emerson*** *termination tools. This line of products includes both ratchet and non-ratchet crimp tools for coaxial, modular plugs, and D-Sub connectors. In addition, you will find a wide array of cable strippers, cutters, impact and nonimpact punch down tools, and a variety of multi-meters, cable testers and termination tool kits to meet your needs.*

## Pro-Series 110 & 66 Impact Punch Down Tools

**Pro-Series Impact Punch Down Tool**
*Tool includes two blades. A 66 standard with a 110 installed in the handle. It has a Twist Blade Locking Mechanism, and an adjustable "Hi-Lo" Impact Control. (Replacement Blades are interchangeable with Harris™ Blades.)*

| Part No. | Blade No. |
|---|---|
| 24-418P | 99-418 (110 only) |
| | 99-419 (66 only) |

## Non-Impact Punch Down Tools

**Non-Impact Punch Down Tool**
for 66 & 110 type terminations (punch only) with a reversible blade, 66 on one end and 110 on the other end.

| Part No. |
|---|
| 24-410P |

**Non-Impact Punch Down Tool**
*for 66 type terminations (punch & cut) with a reversible blade, 66 punch on one end and a 66 cut on the other end.*

| Part No. |
|---|
| 24-411P |

## Keychain Punch Down Tools

**Keychain Punch Tool**
*for UTP/STP 110 IDC Terminations.*

| Part No. |
|---|
| 30-7207 |

**Pocket Stripper & Punch Tool**
*for UTP/STP 110 IDC Terminations.*

| Part No. |
|---|
| 24-7742P |

## Modular Plug Crimping Tools

**Modular Crimping Tool**
*that cuts, strips and terminates 4, 6, 8, & 8 Keyed Modular Plugs. (Works on AMP™ & Stewart™ Plugs.)*

**Non-Ratchet No.** 24-4680P
**w/ Ratchet No.** 24-4680RP

**Modular Crimping Tool**
*that cuts, strips and terminates 2, 4, 6, 8, & 8 Keyed Modular Plugs. (Will not work on AMP™ RJ-45 Plugs.)*

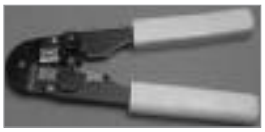
**Non-Ratchet No.** 24-4681P
**w/ Ratchet No.** 24-4682P

**Deluxe Modular Crimping Tool**
*that cuts, strips and terminates 2, 4, 6, 8, and 8 Keyed, 10, DEC 4 & 6 and 4 Conductor Handset Plugs. (Works on AMP™ RJ-45 Plugs only.)*

**w/ Ratchet No.** 24-7865P

**Economy Modular Crimping Tool**
*for RJ-11/12 Plugs. Cuts, strips and terminates 2, 4 and 6 Pin Modular Plugs.*

**Blister No.** 24-7746P



**Economy Modular Handset Crimping Tool**
*for RJ-22 Plugs. Cuts, strips and terminates 4 Pin Handset Plugs.*

**Blister No.** 24-7749P

**Economy Modular RJ-45 Crimping Tool**
*that cuts, strips and terminates 8 & 8 Keyed Modular Plugs.*

**Blister No.** 24-7748P

## Wire Cutters & Strippers

**Heavy Duty Cable Cutter**
*for cutting RG-8 Cable and Multi-Conductor Cable up to .500".*

**Blister No.** 24-7378P

**5" Cutter & Stripper**
*Thin profile, Carbon Steel*

**Blister No.** 24-7376P

**All Purpose Utility Tool**
*Wire Stripper, Cutter, Plier & Crimper, strips 10 to 18 AWG Wire*

**Blister No.** 24-7371P

**5" Cutter Economy Stripper**
*Adjustable control, Return Spring, Carbon Steel*

**Blister No.** 24-7375P

## D-Sub Crimping & Termination Tools

**D-Sub Full Cycle Ratchet Crimping Tool**
*Crimps 10-22 AWG Non-Insulated Open Barrel Connectors, D-Sub & V.35 Contacts.*

**Blister No.** 24-8644P
**Replacement Die No.** 99-8644

**D-Sub Full Cycle Ratchet Crimping Tool**
*with Tension Adjustment Wheel, crimps 18-22 & 24-30 AWG, Non-Insulated Open Barrel Connectors, D-Sub Contacts.*

**Blister No.** 24-8645P

**D-Sub Crimping Tool**
*for Precision Machined Contacts, 4 Way Indent, Crimps 20-26 AWG with Built-in Contact Locator.*

**Blister No.** 24-8643P

**Insulated Terminal Ratchet Crimping Tool**
*Crimps 10-22 AWG fully insulated terminals in an ovalized crimp.*

**Blister No.** 24-8622P
**Replacement Die No.** 99-8622

***See our wide selection of D-Sub components on pages 26-29.***

**D-Sub Non-Ratchet Crimp Tool**
*Crimps Non-Insulated Open Barrel Connectors & Contacts.*

**Blister No.** 24-7373P

**Automatic Trigger Stripper**
*for stripping Stranded Multi-conductor Cable and Solid Conductor Cable, 14-22 AWG.*

**Blister No.** 24-4550P

**4" Universal UTP Stripping Tool**
*for Round or Flat Wire and UTP Cable from 3.5 mm-9 mm max. Even irregular outshape of insulation can be put into the V and U slots . Strips 2, 4, 6 & 8 Conductor. Flat or Round, Solid or Stranded Cable.*

**Blister No.** 24-7740P

**Automatic Wire Stripper**
*Designed for Radio, TV & Computer and Telephone cabling applications to cut and strip insulation automatically.*

| | |
|---|---|
| **Blister No.** | 24-4700P<br>size: 0.5-2.0 mm |
| **Blister No.** | 24-4710P<br>size: 1.0-3.2 mm |

## D-Sub Insertion Tools

**Standard D-Sub Insertion & Extraction Tool**

| Part No. |
|---|
| 40-9865 |

**High-Density D-Sub Insertion & Extraction Tool**

| Part No. |
|---|
| 40-9427T |

## 'Compression Connector Crimping Tools

**Compression Crimp Tool**
*For RG-59 & RG-6 Snap-N-Seal® compatible 20.3mm (F) Connectors..*

**Blister No.** 24-7713P

*New!*

**All-In-One Adjustable Ratchet Crimp Tool**
*for all types of BNC, F and RCA Compression Connectors*

**Blister No.** 24-7714P

## Economy 'F' Series Crimping Tools

**Economy Hex Crimping Tool**
*for RG-6 & RG-59. Economy packaged in non-retail box.*

**Boxed No.** 24-7709H

**Standard Crimping Tool**
*for RG-6 & RG-59. Economy packaged in non-retail box.*

**Boxed No.** 24-7700

**Standard Crimping Tool**
*for RG-6 & RG-59. Includes (10) No. 25-7050 'F-59A' Connectors with attached 1/8" Ring.*

**Blister No.** 24-7700P

## Heavy Duty 'F' Hex Crimping Tools

**Deluxe Hex Crimping Tool**
*for RG-8, 11 & 213.*
*Hex Sizes: .10", .322", .448"*

**Boxed No.** 24-7711P

**Deluxe Hex Crimping Tool**
*for large O.D. Cables, RG-6, RG-11 & UHF RG-8.*
*Hex Sizes: .102", .359", .406"*

**Blister No.** 24-7712P

**Deluxe Hex Crimping Tool**
*for large O.D. Cables, RG-6 & RG-59. Economy packaged in non-retail box.*
*Hex Sizes: .255", .322"*

**Boxed No.** 24-7710

**Deluxe Hex Crimping Tool**
*for RG-6 & RG-59, retail packaged with (10) No. 25-7030 'F-59ALM' Connectors with attached 1/2" Gripped Ring. Hex Sizes: .255", .322"*

**Blister No.** 24-7710P

## Universal Coaxial Crimping Tools

**Universal Ratchet Crimping Tool**
*for BNC, TNC & Mini UHF.*

*Five crimp sizes for Pins & Connector Ferrules. Crimps 2 & 3 piece Connectors. Features adjustable crimp pressure and quick release safety latch.*

**Blister No.** 24-9960P

| Hex Size | Use For |
|---|---|
| .068" | Center Conductor (16-22 AWG) |
| .110" | Center Conductor (10-13 AWG) |
| .213" | Ferrule for RG-58/59TFE/141/303/55/142/233/400 |
| .255" | Ferrule for RG-59/62/140/210/Belden 8279 |
| .324" | Ferrule for RG-6/143/212/222/Belden 8281,9231,9141 |

Replacement Frame & Dies:

| Part No. | Description | Hex Sizes |
|---|---|---|
| 99-DC-5 | Die - 2 pc BNC & TNC | .320", .385" |
| 99-N-8 | Die - 'N' (RG-8 Hex) | .110", .405 |
| 99-U-8 | Die - 'UHF' (RG-8 Diamond) | .110", .405 |
| 99-9960 | Die - BNC, TNC & MiniUHF | See 24-9960P sizes above |
| *99-9960F | Replacement Frame | ---------- |

**Blister No.**
24-8866P

**'F' Ratchet Crimping Tool**
*Crimps RG-59, RG-6, and RG-Quad Shield 'F' type CATV connectors. Features adjustable crimp pressure and quick release safety latch.*

**Hex Sizes:** .255", .324", .354"

**Blister No.**
24-8865P

**Ratchet Crimping Tool for Twin-Ax**
*9" Ratchet Crimp Tool. For Twin-Ax Ferrule and Contacts. Features adjustable crimp pressure and quick release safety latch.*

**Hex Sizes:** .429", .075", .075"

*Note: All dies listed on this page are interchangeable with this Tool Frame.

## Standard Series Ratchet Crimping Tools

This series of tools offers a wide selection of interchangeable dies, a high quality steel frame with a full cycle ratchet mechanism and a quick release safety latch. All are blister packaged for retail display.

| Tool Part No. | Cable Size | Description | Hex Sizes | Die Part # |
|---|---|---|---|---|
| 24-328P | RG-58, RG-161, RG-178, RG-174,RG-182, RG-188, RG-316 | SMA, SMB, Fiber . | 043", .069", .100" .128", .151", .210" | 99-328 |
| 24-8856P | RG-6, RG-8 RG-59, RG-62 | Crimps BNC-TNC 3 pc. Connectors with standard rings | .390", .275", .065" | 99-8856 |
| 24-8857P | RG-58, RG-58AU RG-139, RG-185 RG-188, RG-316 | Crimps BNC-TNC 3 pc. Connectors with standard rings | .235", .128", .065" | 99-8857 |
| 24-8858P | RG-58, RG-58AU, RG-59 | Crimps BNC-TNC Teflon, RG-62 Teflon & 3 pc. Connectors also crimps 1/2" ring 'F' Connectors | .325", .210", .065" | 99-8858 |
| 24-8859P | RG-59, RG-62 Belden 8281 | Crimps BNC-TNC 2 & 3 pc. Connectors with standard & dual crimp rings | .325", .258", .066" | 99-8859 |
| 24-8789P | RG-58, RG-59, RG-62, RG-58TFE, RG-59TFE, RG-62TFE | Crimps BNC & TNC 2 & 3 pc. Connectors . with standard crimp rings by AMP, Kings and Amphenol | 257", .210", .060" | 99-8789 |
| 24-9858P | RG-58, RG-59TFE | Crimps 2 pc. BNC & TNC Connectors | .320", .211" | 99-9858 |
| 24-9859P | RG-59, RG-62 | Crimps 2 pc. BNC & TNC Connectors | .320", .250" | 99-9859 |
| 24-9958P | RG-58, RG-58TFE, RG-59TFE, RG-141TFE, RG-142, RG-223, RG-400 RG-303, RG-55 | Crimps 3 pc. BNC-TNC & Mini-UHF Connectors | .213", .060" | 99-9958 |
| 24-9959P | RG-59, RG-62, RG-450 | Crimps 3 pc. BNC-TNC Proflex, . RG-8X & Mini-UHF Connector | 255", .060" | 99-9959 |
| 24-9912P | RG-122, 180, 34M RG-195, 8218, RG-174 188, RG-179, 187, 316 | Crimps 3 pc. BNC-TNC . Connectors | 184", .060" | 99-9912 |
| 24-8644P | Open Barrel Crimper V.35 Contacts, 10-22 AWG | Crimps open barrel - Non-insulated Connectors D-sub, Mini pins & sockets | --------- | 99-8644 |
| *99-frame-9" | ---------- | 9" Frame for Standard Ratchet Tools | ---------- | |

*Note: All standard series dies on this page are interchangeable with this Tool Frame.

## Offset Ratchet Crimping Tools

**Ratchet Crimping Tool**
*for 2- & 3-Piece Crimp Connectors.*

*Offset die with 3 crimp sizes for Pins & Connector Ferrule including 'F' Connectors and RG-58 & 59TFE Cable. Features adjustable crimp pressure and quick release safety latch.*

| Part No. |
|---|
| 24-8861P |

| Hex Size | Use For |
|---|---|
| .060" | Center Conductor |
| .210" | Ferrule for RG-58/141/303/55/142/233/400 |
| .320" | Ferrule for RG-6/143/212/222/Belden 8281,9231,9141 |

**Ratchet Crimping Tool**
*for 3-Piece Crimp Connectors.*

*Offset die with 3 crimp sizes for Pins & Connector Ferrule including RG-58 & 59TFE Cable. Features adjustable crimp pressure and quick release safety latch.*

| Part No. |
|---|
| 24-8860P |

| Hex Size | Use For |
|---|---|
| .060" | Center Conductor |
| .210" | Ferrule for RG-58/141/303/55/142/233/400 |
| .255" | Ferrule for RG-59/62/140/210/Belden 8279 |

## Self-Adjusting Coax Strippers

**2-Step Cable Stripper**
*with self-adjusting replacement blades for RG-6, 58, 59 & 62.*

| Blister No. | Blades No. |
|---|---|
| 24-7732P | 99-7732B |

**3-Step Cable Stripper**
*with self-adjusting replacement blades for RG-6, 58, 59 & 62.*

| Blister No. | Blades No. |
|---|---|
| 24-7733P | 99-7733B |

## 3-Step Coax Strippers

**3-Step Cable Stripper**
*with adjustable replacement blades for standard & Teflon RG-58, 59 & 62.*

| Blister No. | Blades No. |
|---|---|
| 24-7737P | 99-7737 |

**3-Step Cable Stripper**
*with adjustable replacement blades for standard & Teflon RG-59, RG-6 & Belden 8281.*

| Blister No. | Blades No. |
|---|---|
| 24-7738P | 99-7738 |

**3-Step Cable Stripper**
*with non-adjustable replacement blades RG-8, 11 & 213.*

| Blister No. | Blades No. |
|---|---|
| 24-7739P | 99-7739 |

## 2-Step Coax Strippers

**2-Step Cable Stripper**
*with adjustable replacement blades for standard & Teflon RG-58, 59 & 62.*

| Blister No. | Blades No. |
|---|---|
| 24-7735P | 99-7735 |

**2-Step Cable Stripper**
*with adjustable replacement blades for standard & Teflon RG-59, RG-6 & Belden 8281.*

| Blister No. | Blades No. |
|---|---|
| 24-7736P | 99-7735 |

**2-Step Cable Stripper**
*with non-adjustable replacement blades RG-8, 11 & 213.*

| Blister No. | Blades No. |
|---|---|
| 24-7731P | 99-7731B |

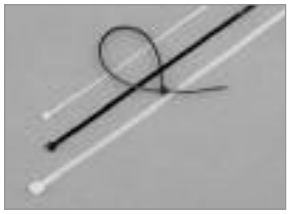
**Universal 2-Step Cable Stripper**
*with adjustable replacement blades for RG-6, 58, 59 & 62.*

| Blister No. | Blades No. |
|---|---|
| 24-7734P | 99-7734 |

**2-Step Cable Stripper**
*with adjustable replacement blades for RG-6, 58, 59 & 62. Poly bagged.*

| Part No. |
|---|
| VSCST-1B |

## Nylon Cable Ties



### Multi-Use Nylon Cable Ties

| Strength | Color | Length | Width | 1,000 Pack | 500 Pack | 100 Pack |
|---|---|---|---|---|---|---|
| 18 lbs. | Natural | 4" | 0.10" | 9201M | -------- | 9201C |
| 18 lbs. | Natural | 8" | 0.10" | 9203M | -------- | 9203C |
| 40 lbs. | Natural | 8 1/2" | 0.15" | 9204M | -------- | 9204C |
| 40 lbs. | Black | 8 1/2" | 0.187" | 9207M | -------- | 9207C |
| 40 lbs. | Natural | 11 5/8" | 0.187" | 9205M | -------- | 9205C |
| 40 lbs. | Black | 11 5/8" | 0.187" | -------- | -------- | 9208C |
| 40 lbs. | Natural | 14 5/8" | 0.187" | -------- | 9206D | 9206C |
| 40 lbs. | Black | 14 5/8" | 0.187" | -------- | 9209D | 9209C |

## Tool & Work Bench Accessories

**Deluxe White Magnifying Lamp**

*This lamp has a a strong extendable 45" white enameled steel arm for precise positioning and a heavy-duty clamp for desk edge, table or fixed horizontal surface mounting. It is designed with a 5" diameter lens for extra magnification for reading, hobbies or close work to prevent eye strain, a 22W fluorescent circular tube for work area illumination, and a 3 conductor cord set with outlet. Lamp is individually packaged in an attractive Retail Box and is sold in cases of four.*

| Part No. |
|---|
| 39-100 |

**6" 'F' Nutdriver**
*This 7/16" Nutdriver is designed for 'F' Connector removal and installation.*

| Part No. |
|---|
| 24-3306P |

**Alligator Clip Jumpers**
*2-ft. lengths, 26 AWG, 5 Colors (2 per Color)*

| Part No. |
|---|
| 46-400 |

**Rosin Core Solder Tubes of 60/40**
*120 inches, 24 tubes per Counter Display Box*

| Part No. |
|---|
| 46-502 |

**Plastic Electrical Tape**
*Black, 3/4" x 60 ft., individually Cellophane Wrapped, 10 in a pack.*

| Part No. |
|---|
| 25-7950 |

*We offer a diverse selection of AC and DC power adapters for general use for the international traveler requiring power conversion; to the bench tech requiring a heavy-duty power supply; or to the everyday computer user requiring PC surge protection.*

*As a division of Emerson Network Power, if we don't have the power converter that you require, we can put you in touch with the Emerson division that does.*

## AC Surge Protectors

Fig. A

Fig. B

Fig. C

| Part No. | Style | AC Outlets | Cord (feet) | MOV's | EMI/RFI | Data Port | Figure |
|---|---|---|---|---|---|---|---|
| 37-004 | Strip | 6 | 4 | 1 | No | No | A |
| 37-006 | Strip | 6 | 4 | 1 | Yes | No | B |
| 37-301 | Wall Cube | 1 | – | 1 | No | No | C |

## AC/DC Power Supplies (Individually Boxed)

Fig. A

Fig. B

Fig. C

| Part No. | Input AC | Output DC | Amps | Protection | Binding Posts | Weight | Dimensions | Figure |
|---|---|---|---|---|---|---|---|---|
| 38-381 | 115VAC | 13.8VDC | 10A | Fuse | No | 9 1/2 lbs. | 6.75" x 6.5" x 4.5" | A |
| 38-382 | 115VAC | 13.8VDC | 20A | Fuse | Yes | 16 lbs. | 11.25" x 7.75" x 5" | B |
| 38-383 | 115VAC | 13.8VDC | 3A | Fuse | Yes | 3 1/2 lbs. | 7" x 3.5" x 2.75" | C |
| 38-384 | 115VAC | 13.8VDC | 4A | Fuse | Yes | 5 1/2 lbs. | 7.5" x 4.75" x 3" | C |
| 38-386 | 115VAC | 13.8VDC | 6A | Fuse | No | 3 1/3 lbs. | 7.25" x 6.25" x 4" | A |

## AC/DC Power Adptres

**1600 Watt Foreign Travel Converter/ Transformer Kit**

*Converts 240 VAC into 120 VAC to operate electrical equipment for up to 1600 Watts usage, and includes 5 interchangeable adapters.*

**Part No.** 37-3516K

**AC Adapter 500 MA**
**Multi Voltage Heavy Duty Model**

- *With Multi-Plugs*
- *For Converting 117 Volts, AC Home Current to Low Voltage, DC Current to Operate Battery Powered Equipment. (3V, 4.5V, 6V, 7.5V, 9V, 12V)*

**Blister No.** 38-305

**AC Adapter 1200 MA**
**Multi-Voltage Heavy Duty Model**

- *With Multi-Plugs*
- *For Converting 117 Volts, AC Home Current to low Voltage DC Current to Operate Battery Powered Equipment. (1.5V, 3V, 4.5V, 6V, 7.5V, 9V, 12V)*
- *Boxed*

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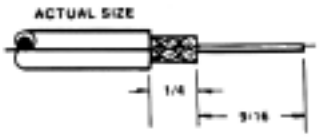
# TERMINATION INSTRUCTIONS

IMPORTANT FOR PROPER INSTALLATION OF CONNECTORS

## TWIST-ON BNC/TNC




1. Trim cable as shown. Taking care not to nick the center conductor or outer braid.

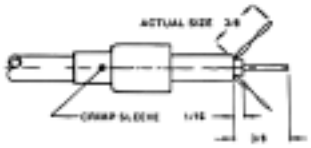
2. Twist the outer braid in a clockwise direction in such a manner that at least 1/32 of inner dielectric is bored and the braid is left flat. (stray or loose braid can cause shorts)

Back end of connector and inner dielectric flush, center conductor is now in place.

3. Gently insert the center conductor down into the back end of the connector feeling it into the guide hole. When center conductor is not in place approx. 1/8" of center conductor will show.

4. Firmly push the cable home as far as possible, then screw the connector on the cable in a clockwise direction until it stops.

## TWO-PIECE CRIMP BNC/TNC




1. Run crimp sleeve down cable.

2. Trim cables as shown, taking care not to nick outer braid.

3. Insert center conductor into the guide hole in the rear of the connector. Then screw the connector on the cable in a clockwise direction

CABLE HOMED

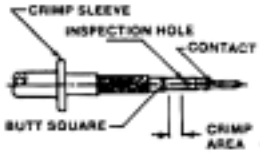
4. Push crimp sleeve into place, sandwiching the braid between the connector and sleeve.

CRIMPED SLEEVE

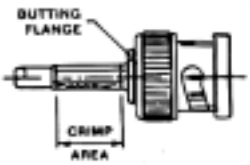
5. Crimp the sleeve into place with the proper crimp tool.

## THREE-PIECE CRIMP BNC/TNC

1. Trim cable as shown. Taking care not to nick the inner conductor or braid.



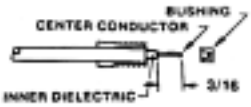

2. Slip crimp sleeve over cable. Place inner conductor into contact. Note that the end of contact and inner dielectric must be butting and square. Crimp with appropriate tooling.




3. Flair outer braid and gently but firmly push the contact into the connector housing until a gentle snap is felt, indicating the contact is in place. Slip the crimp sleeve in place, butting the flange against the connector body and crimp with appropriate tooling.

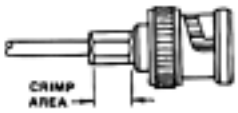
## MINI BNC THREE-PIECE CRIMP

1. Slip support sleeve over cable, and trim jacket as shown, taking care not to nick the shielding braid.




2. Flair braid and lay it in position over the sleeve as shown. Trim away the inner dielectric taking care not to nick the center conductor.

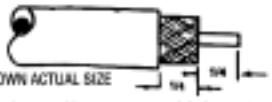
3. Place the bushing and contact in place on the cable and keeping the assembly snugly in place, crimp the contact with appropriate tooling.




4. Gently but firmly push the contact into the connector housing until a gentle snap is felt, indicating the contact is in place, crimp the connector together with appropriate tooling.

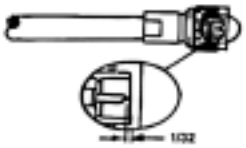
*USED ON 27-9241, 27-9266, 27-9270, 27-9165*

## N-TWIST-ON




1. Trim cable as shown, taking care not to nick the center conductor or outer braid. Make sure that the outer braid lays flat. Trim any loose braid which can cause shorts.

2. Twist the contact in a clockwise direction on the inner conductor till the back end of the contact is flush with the inner dielectric.

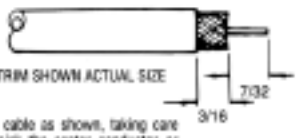



3. Twist the connector onto the cable in a clockwise direction. The connector is properly installed when the end of the contact is positioned within 1/32" of the front edge of the connector.

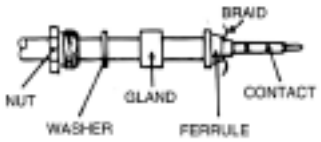
**To aid in twisting on contact insert paper clip in thru hole.*

*USED ON 26-6919*

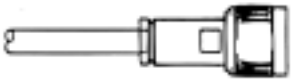
## N-SOLDER CLAMP




1. Trim cable as shown, taking care not to nick the center conductor or outer braid.




2. Run nut, washer, gland and ferrule over the cable, and flair the braid over the ferrule. Solder or crimp the contact to the center conductor.



3. Push the center contact home into the body assy., feeling it snap into place, and with all the loose components in place complete the assembly by wrench tightening the nut.

*USED ON 26-6980, 26-6981, 26-6982, 26-6023, 26-6028, 26-6027*

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