



# DATACOM

## PRODUCT & APPLICATION GUIDE

THE ELECTRICIAN'S  
**CHAMPION**™ 



# MODULAR FEED-THRU SOLUTION



## PrepPRO® Cable Stripper

- Simply insert cable and twist!
- Fixed blade depth – scores jacket without nicking inner conductors
- Interchangeable blades for UTP/STP and coax cable



## FT-45™ Crimp Tool

This simple tool fits easily in your pocket and works with ALL our feed-thru & standard connectors.

- Flush cuts conductors and crimps in one-step
- Ultra-compact design – 2/3 the size of traditional crimpers
- Requires minimal hand force - no ratcheting
- Large, unobstructed opening for easy connector insertion
- Long lasting blade delivers more than 2000 clean cuts



## Feed-Thru Connectors

Our Feed-Thru design offers many advantages over standard RJ45 modular plugs for simplified installation.

- Verify the conductors are in the correct order before crimping
- Single piece construction for fast, easy installation
- 3-Prong contacts for better wire penetration & stability
- Available in unshielded and shielded for CAT5e, CAT6 and CAT6a cable



# MODULAR PLUGS | CRIMP TERMINATIONS

APPLICATIONS: NETWORKS, DIGITAL IP, SECURITY

## Cut & Strip



### 45-605 PrepPRO® Cable Stripper

Removes outer jacket from CAT5e/6 and most CAT6a cables. Also preps coax cable to industry standard strip lengths. Fixed blade depth.



### 45-074 Data T®-Cutter

Compact cutter with curved blades to maintain cable geometry and signal integrity. For cables up to 1/2 in diameter.



### 35-088 Electrician's Scissors

Features stripping notches for removing insulation and ridges for straightening conductors when assembling modular plugs.

## Connect



**Feed-Thru RJ-45 Modular Plugs** Single piece connector simplifies assembly of twisted pair cable. Wires feed-thru the end of the connector so conductor order can be verified before crimping. Use with FT-45™ Crimp Tool.

**CAT6A / CAT6 Large Diameter**  
85-385 - 50-Pack

**CAT6**  
85-375 - 25-Pack  
85-376 - 50-Pack  
85-377 - 100/bag  
85-377J - 100/Jar

**CAT5e**  
85-370 - 25-Pack  
85-371 - 50-Pack  
85-372 - 100/bag  
85-372J - 100/Jar



### CAT6A / 6 / 5e Feed-Thru Shielded Modular Plugs for Large Diameter Cable

For shielded or unshielded cables with .040 - 0.48" insulated conductor diameters

85-363 - 10-Pack  
85-368 - 25-Pack  
85-369 - 50/Jar



### CAT6 Single Piece Standard RJ-45 Modular Plugs

Single piece design simplifies assembly process. 250MHz, 50 micron gold plated contacts.

85-367 - 25-Pack  
85-362 - 50-Pack  
85-367J - 100/Jar



### CAT5e Standard RJ-45 Modular Plugs

Standard single piece CAT5e connector for data applications up to 100MHz. 50 micron gold plated contacts.

85-346 - 25-Pack  
85-396 - 50-Pack  
86-396 - 100/bag  
86-396J - 100/Jar

## Terminate



### 30-495 FT-45™ Feed-Thru Modular Plug Crimp Tool

Crimp tool for all Feed-Thru CAT5e and CAT6 connectors. Trims conductors flush. Compact design. Also works on standard and shielded connectors.



### 30-696 Ratchet Telemaster™ Tool

Heavy-duty ratcheting modular plug crimp tool for standard RJ-45 and RJ-11 style connectors. Built in cutter and stripper. Cut, strip and terminate with one tool.



### 33-506 PRO Network / Telco Installer Kit

Assortment of Pro tools to terminate modular plugs and modular jacks. Includes 30-696, 35-485, 45-165, 35-088, 35-473, 85-396 and carrying bag 35-535.



### 30-496 Telemaster™ Modular Plug Tool

Modular plug crimp tool for standard RJ-45 and RJ-11 style connectors. Built in cutter and stripper. Steel frame for durability and precision. Cut, strip and terminate with one tool.



### 33-507 Feed-Thru RJ-45 Installation Hip Kit

For crimping feed-thru or standard RJ-45 connectors. Includes 30-495 crimper, 45-605 PrepPRO® Cable Stripper, 35-088 Electrician's Scissors and handy pouch.



### 33-750 RJ-45 Termination Kit

Modular plug kit in a foam lined case includes the 30-496 Telemaster™ Crimper, 45-165 Ringer™ Stripper and 50 of our 85-396 CAT5e RJ-45 standard modular plugs.

# MODULAR JACKS | PUNCHDOWN TERMINATIONS

APPLICATIONS: DATA / VOICE NETWORKS

## Cut & Strip



### 35-088 Electrician's Scissors

Features stripping notches for removing insulation and ridges for straightening conductors when assembling modular plugs.



### 45-165 Adjustable Ringer™ Jacket Stripper

Features three adjustable blades to strip or slit cable jackets from CAT3 or multi-pair up to CAT6.



### 35-093 Cable Splicing Kit

Knife and scissor combination with leather holster for cutting and stripping. Includes the 35-088 scissor and 35-1091 knife.

## Connect



### CAT5e Modular Jacks

100 MHz Keystone style RJ-45 jacks with 110 IDC punchdown terminations.

**89-750WH** - 1-Pack White  
**89-750BU** - 1-Pack Blue  
**89-751WH** - 10-Pack White



### UR2 Red IDC Splice Connectors

Butt splice connectors for up to 3 wires from 19-26 AWG with thicker insulation. For low-voltage applications. Gel filled. Crimp with 33-719 tool.

**86-930** - 100-Pack



### UR Red IDC Splice Connectors

Butt splice connectors for up to 3 wires from 19-26 AWG. For low-voltage applications. Gel filled. Crimp with 33-719 tool.

**85-925** - 25-Pack  
**86-925** - 100-Pack



### CAT6 Modular Jacks

250 MHz Keystone style RJ-45 jacks with 110 IDC punchdown terminations.

**89-760WH** - 1-Pack White  
**89-760BU** - 1-Pack Blue  
**89-761WH** - 10-Pack White



### UY2 Yellow IDC Splice Connectors

Butt splice connectors for 2 wires from 19-26 AWG with thicker insulation. For low-voltage applications. Gel filled. Crimp with 33-719 tool.

**86-955** - 100-Pack



### UY Yellow IDC Splice Connectors

Butt splice connectors for 2 wires from 22-26 AWG. For low-voltage applications. Gel filled. Crimp with 33-719 tool.

**85-950** - 25-Pack  
**86-950** - 100-Pack



### Strain Relief Boot

For use with RJ-45 modular plugs and CAT5e cables. For cables up to 5.5mm (.216 in) diameter.

**85-380** - 25-Pack  
**85-379** - 15-Pack + CAT5e plugs



### RJ-11 6P4C Modular Plugs

Voice grade connectors for up to 2 phone lines. Six position, four contact design.

**85-344** - 25-Pack



### RJ-12 6P6C Modular Plugs

Voice grade connectors for up to 3 phone lines. Six position, six contact design.

**85-345** - 25-Pack

## Terminate



### 35-485 Punchmaster™ II Tool

Punchdown tool with impact-absorbing, cushioned grip. Adjustable HI/LO force settings for working on panels or jacks. Includes both 110 and 66 blade sets.



### 33-505 Technician's Service Kit

Punchdown kit that includes our Pro tool assortment for 110 and 66 type terminations. Kit includes 35-485, 35-088, 45-165, spudger, 7-in-1 Screwdriver and pouch.



### 33-508 Twisted Pair Termination Kit

For standard or feed-thru RJ-45 and punchdown terminations. Includes 35-485 tool, 30-495 crimper, 45-605 PrepPRO® Cable Stripper, 35-088 Electrician's Scissors and pouch.



### 33-719 Kinetic® Super™ Stripper/Crimper Kit

Use this tool to properly crimp IDC splice connectors. Cuts & strips 22 & 24 AWG wire. Includes 25/UR IDC Connectors.



### 33-700 Telemaster™ Tool Kit

Modular plug starter kit includes the 30-496 Telemaster™ Crimper and 10 each of our 85-344 6P4C RJ-11, 85-345 6P6C RJ-12 and 85-346 CAT5e RJ-45 standard modular plugs.



### 33-396 Data/Voice Crimp Kit

Compact all in one basic modular plug crimp tool for RJ-45 and RJ-11 connectors. Built-in cutter and stripper. Includes 10 each RJ-45 CAT5e modular plugs and RJ-12 6P6C phone plugs.

# F-TYPE COMPRESSION TERMINATION

APPLICATIONS: AUDIO, VIDEO, COAX PRODUCTS

## Cut & Strip



### 45-074 Data T<sup>®</sup>-Cutter

Compact cutter with curved blades to maintain cable geometry and signal integrity. For cables up to 1/2 in diameter.



### 45-605 PrepPRO<sup>®</sup> Cable Stripper

Preps coax cable to industry standard 1/4 in x 1/4 in strip lengths. For standard and plenum RG-59 / 6 / 6 Quad cables. Fixed blade depth.



### 45-526 2-Step Coax Stripper

1/4 in x 1/4 in coax stripper with adjustable blade depths for non-standard cable jackets or diameters. Compatible with RG-59/6 and many RG-11 coax cables.

## Connect



### XR<sup>™</sup> RTQ<sup>™</sup> F-Compression Connectors

3GHz rated for indoor/outdoor applications. Compatible with standard & plenum RG-6/6 Quad coax w/.226 - .310 in O/D

**92-650** - 50/Jar

**92-656** - 100/Jar

**92-659** - 1,000/Bulk



### XR<sup>™</sup> InSITE<sup>™</sup> 90° F-Compression Connectors

3GHz rated. Designed for tight spaces and better cable routing. 360° InSITE<sup>™</sup> window. Compatible with standard and plenum RG-6/6 Quad coax cables.

**92-691** - 5-Pack



### RG-11 Plenum F-Compression

For plenum jacket RG-11 cables from .340" - .356" in diameter. InSITE<sup>™</sup> window ensured cable is fully inserted before compressing.

**92-212** - 10-Pack



### Z6F Fast + Simple RG-6/6Q Compression F

Simplifies RG-6 Quad terminations by eliminating the need to fold or remove the outer braiding. Cable easily slides into connector.

**92-640** - 25-Pack

**92-641** - 50/Jar



### TLC<sup>™</sup> RG-6 F-Compression Connector

Tool-less F-Connector for RG-6 does not require a compression tool to permanently terminate the connector to RG-6 coax. For indoor locations only.

**85-069** - 4-Pack

**85-168** - 50-Pack



### TLC<sup>™</sup> RG-6 Quad F-Compression Connector

Tool-less F-Connector for RG-6 Quad does not require a compression tool to permanently terminate the connector. Indoor locations only.

**85-079** - 4-Pack

**85-178** - 50-Pack



### RTQ<sup>™</sup> RG-11 F-Compression

For dual or quad RG11 cables from .390" - .416" in diameter. InSITE<sup>™</sup> window ensured cable is fully inserted before compressing

**89-211** - 10-Pack



### RCA Compression Connectors

Single-piece designs for both regular and quad cables. Includes 50 ID bands per pack.

**89-570** - RG-59 35/Jar

**89-580** - RG-6 35/Jar



### 3GHz F-Splice Adapter

High performance F-81 for low signal loss. Gold plated round contact

**85-340** - 10-Pack

**85-339** - 4-Pack

## Terminate



### 30-793 OmniSeal<sup>™</sup> Pro XL Compression Tool

Terminates F, BNC, RCA, RG-11 F, and mini-coax connectors. Adjustable plunger terminates most brands of compression connectors. Works on all IDEAL compression connectors.



### 33-793 PRO Compression Hip Kit

All in one Pro Tool Kit for coax compression termination. Includes 30-793, 45-605, 45-074 and pouch with belt clip.



### 33-639 PRO Compression Starter Kit

Pro Starter Kit includes 30-793, 45-605, 45-074 tools plus an assortment of InSITE<sup>™</sup> BNC and XR<sup>™</sup> RTQ<sup>™</sup> F connectors. For video and security based applications.



### 33-632 LinearX<sup>®</sup>3 Compression Tool

Compresses F/BNC/RCA connectors. Tool has a durable and rugged zinc die-cast body with a protective powder-coated paint finish. Tool includes four RTQ<sup>™</sup> F-Connectors.



### 33-622 LinearX<sup>®</sup>3 Hip Kit

Cuts, strips and terminates F/BNC/RCA connectors in one handy starter tool kit.



### 33-620 Economy Compression Kit

Starter kit includes tools and connectors to cut, strip and terminate coax cables.



# BNC COMPRESSION TERMINATION

APPLICATIONS: ANALOGUE COAX, SECURITY PRODUCTS

## Cut & Strip



### 45-074 Data T<sup>®</sup>-Cutter

Compact cutter with curved blades to maintain cable geometry and signal integrity. For cables up to 1/2 in diameter.



### 45-605 PrepPRO<sup>®</sup> Cable Stripper

Preps coax cable to industry standard 1/4 in x 1/4 in strip lengths. For standard and plenum RG-59 / 6 / 6 Quad cables. Fixed blade depth.



### 45-526 2-Step Coax Stripper

1/4 in x 1/4 in coax stripper with adjustable blade depths for non-standard cable jackets or diameters. Compatible with RG-59/6 and many RG-11 coax cables.

## Connect



### RG-59 InSITE<sup>™</sup> BNC Compression Connector

360° InSITE<sup>™</sup> window to verify full cable seating before terminating. For RG-59 cables with .230 - .250 in diameter.

**89-047** - 15-Pack

**89-5047** - 35/Jar

**89-1047** - 1,000-Pack



### RG-6 InSITE<sup>™</sup> BNC Compression Connector

360° InSITE<sup>™</sup> window to verify full cable seating before terminating. For RG-6 regular/quad/plenum cables with .226 - .305 in diameter.

**89-048** - 15-Pack

**89-5048** - 35/Jar



### RG-59 Plenum InSITE<sup>™</sup> BNC Compression Connector

360° InSITE<sup>™</sup> window to verify full cable seating before terminating. For RG-59 plenum cables with .193 - .224 in diameter.

**89-049** - 15-Pack



### RG-59 90° InSITE<sup>™</sup> Compression Connector

Designed for tight spaces and better cable routing. 360° InSITE<sup>™</sup> window. For RG-59 cables with .230 in - .250 in jacket diameter.

**92-693** - 5-Pack



### RG-6 90° InSITE<sup>™</sup> BNC Compression Connector

Designed for tight spaces and better cable routing. 360° InSITE<sup>™</sup> window. For RG-6 regular/quad/plenum cables with .226 in - .305 in jacket diameter.

**92-695** - 5-Pack



### 75Ω BNC Female to Female Adapter

Join two BNC cables together to extend the cable length with this adapter. For signals up to 3GHz.

**92-817P** - 10-Pack

## Terminate



### 30-793 OmniSeal<sup>™</sup> Pro XL Compression Tool

Compress F/BNC/ RCA/RG-11F connectors. Adjustable post for non-IDEAL connectors. Works on all IDEAL compression Connectors. No adjustments required except for 90° connectors.



### 33-793 PRO Compression Hip Kit

All in one Pro Tool Kit for coax compression termination. Includes 30-793, 45-605, 45-074 and pouch with belt clip.



### 33-639 Pro Compression Starter Kit

Pro Starter Kit includes 30-793, 45-605, 45-074 tools plus an assortment of InSITE<sup>™</sup> BNC and XR<sup>™</sup> RTQ<sup>™</sup> F connectors. For video and security based applications.



**33-632 LinearX<sup>®3</sup> Compression Tool** Adjustable compression tool for F/BNC/ RCA connectors. Includes four XR<sup>™</sup> F Compression Connectors.



**33-622 LinearX<sup>®3</sup> Hip Kit** All in one Basic Tool Kit for coax compression termination. Includes 33-632, 45-605, 45-074 and pouch with belt clip.



### 35-046 8 in F & BNC Connector Tool

Extend your reach to tighten or loosen F and BNC connectors with this one handy tool. Works on most crimp and compression style connectors. 8 in overall length (3 in blade).

# TEST EQUIPMENT

## Tone & Probe / Tracing



### 33-864 Tone & PRO Amplifier Probe Kit with soft case

Tone generator and amplifier probe. Test continuity and locate signal of installed wire and cable. Three tone settings. Auto off after 3-hours of non-use. Adjustable volume. Includes RJ-11 alligator clip assembly and soft black pouch for storage.

**33-864** - Tone & Probe Kit

**62-160** - Tone Generator

**62-164** - Amplifier Probe



### 62-140 TRACETone™ Tone Generator & Amplifier Probe

Basic, light-duty Tone and Probe unit for locating and troubleshooting de-energized copper cables. Tone Generator emits two user selectable tones and includes RJ-11 jack and alligator clips for connecting to copper conductors. Amplifier Probe has a volume control knob and internal storage for the Tone Generator.



### 62-164 PRO Amplifier Probe

Analog PRO Amplifier Probe is used to pick up and amplify tone signals sent by our standalone tone generators or from our wiremappers that include a tone generation function (33-856 VDV, 62-1202)



### 62-160 PRO Tone Generator

Analog PRO Tone Generator emits 3 user selectable tone patterns on to de-energized copper conductors. Includes an F-port, an RJ-11/12 port and detachable alligator clips to connect to copper conductors. Can be used on coax, twisted pair and standard copper cabling. Use the 62-164 or 62-140 to make the tone audible.

## Wiremap / Verify



### 33-856 VDV Wiremapper

The voice/data/video wiremapper tester uses an LCD display to identify a good "pass" cable or wiring errors of a coax or UTP/STP cable under test. Checks for opens, shorts, miswires and split pairs. Includes a built in multi-tone generator. Input ports for RJ-45 (Data)/RJ-11(Voice)/F (Video).



### 62-200 LinkMaster™ Tester

RJ-45 wiremap tester that uses colored LED lights to identify a good "pass" cable or wiring errors of a UTP/STP cable under test. Checks for opens, shorts, miswires and split pairs.



### 33-866 Test-Tone-Trace Kit

Tests and traces coax, twisted pair and telephone cables. Kit includes VDV (33-856), Amplifier Probe (62-164), accessories and carrying case.

FAST & SIMPLE  
TWISTED PAIR CONNECTIONS

# THE IDEAL FEED-THRU SOLUTION

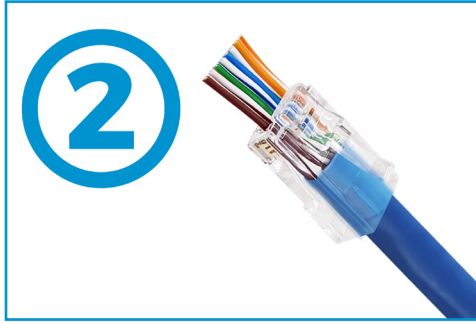
**Terminate twisted pair cable with feed-thru RJ45 connectors in just 3 simple steps!**

Using IDEAL's Feed-Thru Solution, you'll be able to install feed-thru connectors on CAT 5e, CAT 6 and CAT 6a quickly and accurately! Simply Strip, Insert & Verify, and Crimp the cable.



## STEP 1: STRIP CABLE

Use IDEAL's PrepPRO® Stripper to cleanly score the cable jacket without nicking inner conductors. Just insert cable and twist!



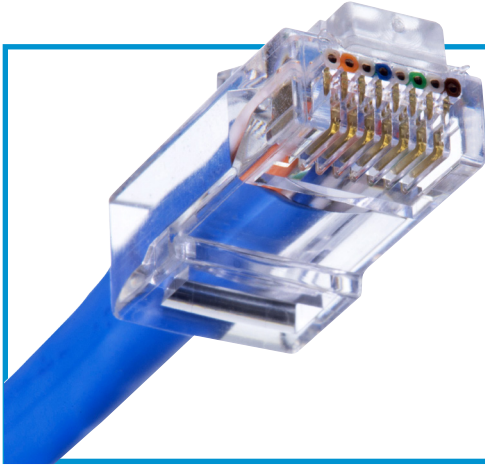
## STEP 2: INSERT & VERIFY

Align conductors and feed-thru the single-piece RJ45 connectors - you'll be able to verify the wires are in the correct order prior to crimping.



## STEP 3: CRIMP

Finally, use the FT-45™ tool to crimp and cleanly shear the conductor ends with one squeeze.



## THE RESULT

IDEAL's complete Feed-Thru Solution delivers data terminations that are fast, simple and reliable.

The ability to feed conductors through the connector allows you to verify they are in the correct sequence prior to crimping, virtually eliminating errors. The FT-45 tool cleanly trims the conductors to the precise length, ensuring consistent connections every time.

Try our Feed-Thru Solution on your next job!



IDEAL INDUSTRIES, INC.

IDEAL INDUSTRIES, INC.

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