MODULAR PLUG
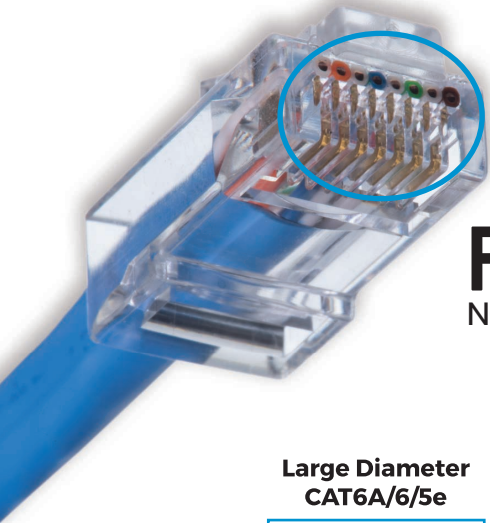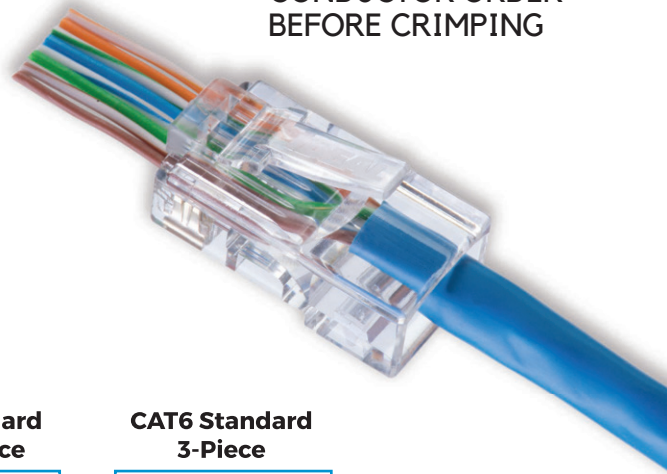## INSTALLATION SOLUTIONS
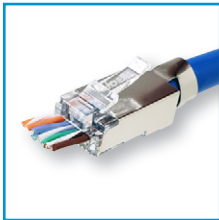
FEED-THRU CONNECTORS

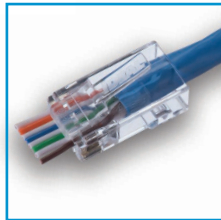## VERIFY
CONDUCTOR ORDER BEFORE CRIMPING

FLUSH CUT
NO EXCESS CONDUCTOR
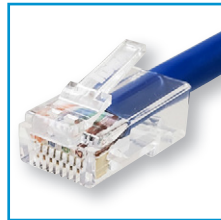
Large Diameter CAT6A/6/5e

CAT6 Feed-Thru
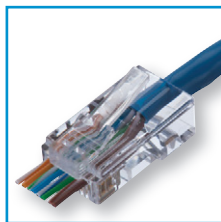
CAT6 Standard Single Piece
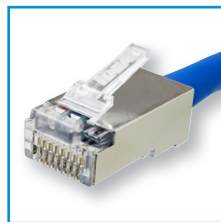
CAT6 Standard 3-Piece

CAT5e Shielded Feed-Thru
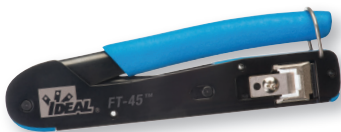
CAT5e Feed-Thru

CAT5e Standard Shielded

CAT5e Standard

FT-45™ Crimp Tool
Crimps all standard and Feed-Thru RJ-45 Connectors

Jar Pack Options

Kits

NEW

NEW

CAT5E

CAT6

CAT6A

THE ELECTRICIAN'S CHAMPION™

IDEAL®

SIMPLIFIED MODULAR PLUG TERMINATIONS

The IDEAL® Feed-Thru RJ-45 Modular Plugs and FT-45™ Crimping Tool are designed to simplify and improve the consistency of cable to connector termination of CAT5e and CAT6 modular plugs to twisted pair cables. Anyone who has assembled traditional standard or multi-piece modular plugs knows it is a time consuming and often error-prone process.
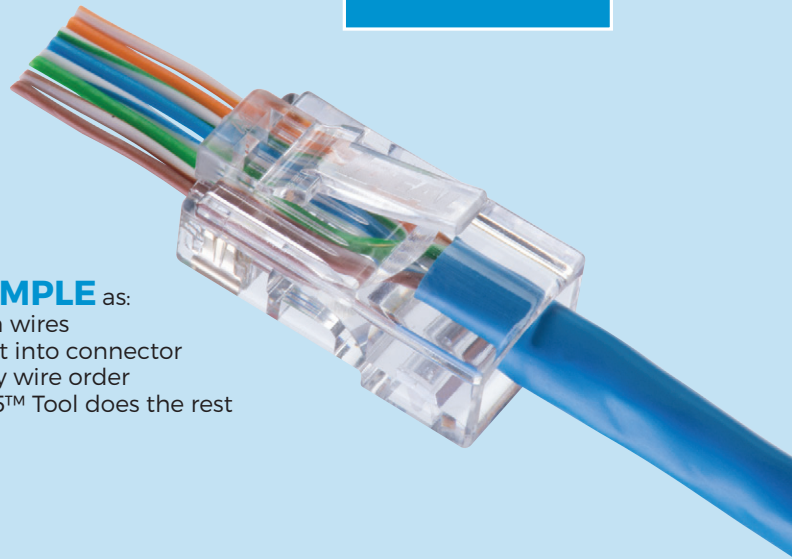
This system makes it **SIMPLE**
· No more wasted materials
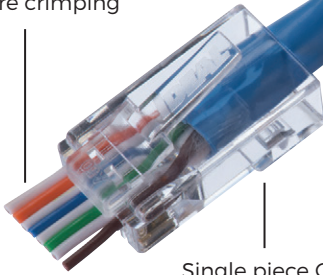· No more wasted labor
· No sleds or liners

SIMPLE

As **SIMPLE** as:
· Align wires
· Insert into connector
· Verify wire order
· FT-45™ Tool does the rest
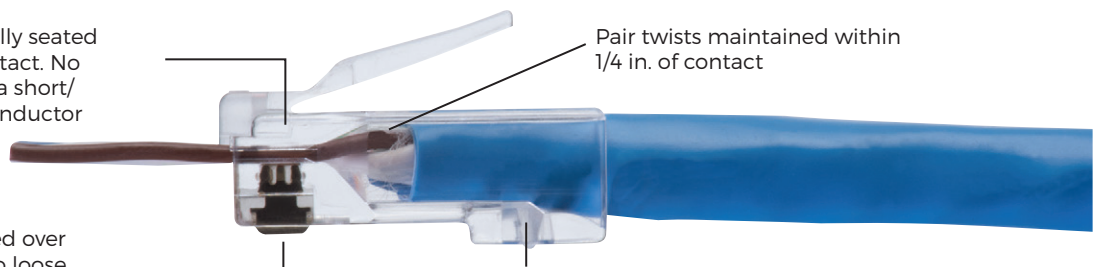
Feed-Thru Modular Plugs

Verify conductor order before crimping

Single piece CAT6 connector. Same preparation as CAT5e connector

Open-end Feed-Thru connectors offer several advantages over standard closed end connectors. Conductor order can be verified prior to crimping. Conductors that feed-thru the connector are inserted far enough to be pierced by the pin below. The cable can be pushed or pulled into the connector to ensure that the twisted pairs are as close to the pin contacts as possible and that the jacket is seated beyond the primary strain relief for a secure connection. A patent pending design enables conductors to be cut flush with the end face of the connector when used with the FT-45™ tool. CAT5e and CAT6 connectors are both single piece connectors that use the same assembly process, no special assembly or multiple pieces for CAT6.

Conductors fully seated above pin contact. No opens due to a short/ misaligned conductor

Pair twists maintained within 1/4 in. of contact

3 pin IDC contact, 50μ gold plated over 150μ nickel. Secured in place - no loose pins in the package.

Jacket seats past strain relief tab

FT-45™ Modular Plug Crimp Tool

Don't let it's size fool you. The FT-45™ is a simple, compact and highly effective crimp tool for installers and techs that terminate RJ-45 connectors regularly. Instead of another traditional oversized, heavy, crimp tool style loaded with features that are rarely used or that just don't work well, we took this tool in a new direction. It's built for today and tomorrow, not the past. A single crimp cavity for RJ-45 / 8-position connectors that can be used with Feed-Thru, standard, or shielded connectors for CAT5e or CAT6. A custom, heavy duty cutting blade that will last for over 2,000 cuts. A mechanical design that requires only 1/3 to 1/2 the hand force of traditional tools to crimp the connector - no ratchet mechanism is needed and one handed crimping is possible. The tool is compact, 5-1/2" in length and weighs just over 1/2 lb., about half the size and weight of bulkier traditional tools. Easily fits in your pocket and lightens the tool bag load. It packs a punch, and does exactly what it's supposed to.

Textured handle grip

Compact 5-1/2 in. length

Spring-loaded handle

Hasp to keep tool in closed position

RJ-45 8P8C crimp cavity

Metal crimp cavity improves crimping consistency

Replaceable cutting blade

568A & 568B wiring scheme marked on tool

Large opening allows conductors to pass thru without obstruction

Custom heavy duty blade for 2,000+ cuts

Flush Cut

During crimping, the FT-45™ cleanly shears the excess conductors and leaves a smooth, flat finish to the end face of the connector. No protrusions or small lengths of conductor remain beyond the plastic face of the connector. This minimizes accidental shorting of conductors or inadvertent contact in plug jacks.

CAT5e   CAT6

FT-45™ is Compatible with CAT5e/CAT6/CAT6A

Feed-Thru Connectors

Standard RJ-45 Connectors

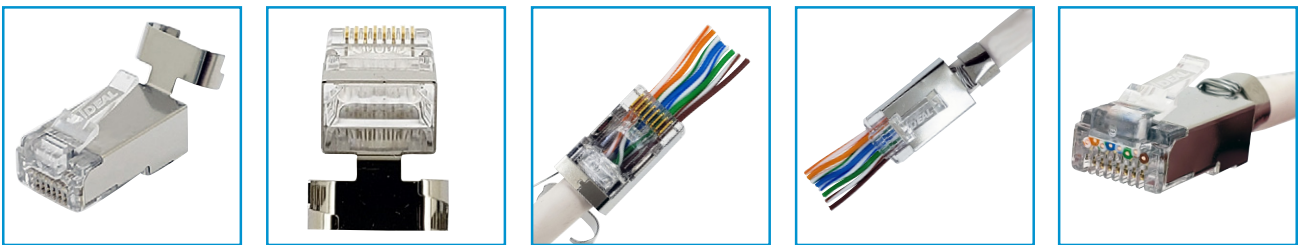Shielded Connectors

Large Diameter CAT6A/6/5e

CAT6A/6/5e Shielded Feed-Thru for Large Diameter Conductors

Our newest member of the Feed-Thru family of products is specifically designed to handle the challenges faced with field termination of shielded cables. The CAT6A/6/5e connector is made to work with cables - shielded or unshielded, that have larger insulated conductor diameters that typically will not fit into a standard in-line modular plug design. Utilizing a unique conductor and pin stagger pattern, the single-piece design helps to funnel the conductors through the connector and out of the Feed-Thru end. No load bars or multi-piece assemblies are required. The connector is then terminated with the FT-45™ Crimp Tool. No adjustments or blade changes are required to the FT-45™ to use this connector.

The connector is designed for 0.040" through 0.048" insulated conductors, typically found in CAT6A, CAT6, and CAT5e shielded cables. Shield continuity can be made internally by folding the cable foil over the jacket and making contact with the inside of the connector walls or externally by wrapping the cable drain wire around the base of the jacket strain relief clip .

The jacket strain relief clip is pre-positioned in the up position so cable insertion is simplified. The pre-formed clip can be closed and crimped with a standard needle nose or plier-nose device like the IDEAL® 33-719 or other IDEAL® T®-Strippers Wire Strippers.

Pin contacts are a 3 prong design and have 50u" gold plated contact areas. The FT-45™ crimp tool , (IDEAL® 30-495) is required to properly terminate this connector.

Feed-Thru Hip Kits

The 33-507 Feed-Thru RJ-45 Installation Hip Kit includes the necessary tools to cut, strip and terminate RJ-45, 8P8C modular plugs to twisted pair cabling. The tools in the kit are designed to work together with CAT5e, CAT6 and CAT6A cabling. The FT-45™ crimp tool is a compact, lightweight crimper that provides a flush cut on IDEAL® Feed-Thru modular plugs. It is also compatible with standard (non-Feed-Thru) and shielded connectors. The PrepPRO® Coax/UTP Cable Stripper utilizes a fixed depth blade to score the jacket of twisted pair cable without nicking the inner conductors. Scissors are included for cutting off old connector ends and trimming the cable or conductors to size. The pouch includes a clip to attach the kit to a tool bag or belt and keeps the termination tools together in one compact space. A spare slot is included to add the Punch Down Tool, or other similar shaped tools to the kit. The small round slot can be used to hold additional Punch Down tool blades.

The 33-508 Twisted Pair Termination Hip Kit includes all the above plus the Punchmaster™ II Punch Down Tool with 110 and 66 blades for the added benefit of terminating modular jacks and panels.

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

33-508 Twisted Pair Termination Hip Kit

Part No.	Feed-Thru Hip Kits
33-507	Feed-Thru RJ-45 Installation Hip Kit - Includes: 30-495 FT-45™ Crimper, 45-605 PrepPro® Coax/UTP Cable Stripper, 35-088 Scissors and Pouch
33-508	Twisted Pair Termination Hip Kit - Includes: 30-495 FT-45™ Crimper, 35-485 Punch Down Tool, 45-605 PrepPro® Coax/UTP Cable Stripper, 35-088 Scissors and Pouch

Modular Plugs

	Name	CAT	Type	Feed-Thru	Shield	Notes	Quantity	Part No.
	CAT6A/6/5e Shielded Feed-Thru	Multi	RJ-45 8P8C	■	■	For shielded or unshielded CAT6A, CAT6 or CAT5e with insulated conductor diameter of 0.040" to 0.048", max. jacket diameter of .320"	Card of 25	**85-368**
							Jar of 50	**85-369**
	CAT6 Feed-Thru	6	RJ-45 8P8C	■		For unshielded CAT6 with 23 or 24 AWG conductors with a max. insulated conductor diameter of 0.041", max. jacket diameter of .290"	Card of 25	**85-375**
							Card of 50	**85-376**
							Bag of 100	**85-377**
							Jar of 100	**85-377J**
	CAT6 Single Piece Standard	6	RJ-45 8P8C			For unshielded CAT6 with 23 or 24 AWG conductors with a max. insulated conductor diameter of 0.041", max jacket diameter of .290"	Card of 25	**85-367**
							Jar of 100	**86-367J**
	CAT6 3-Piece Standard	6	RJ-45 8P8C			3 piece assembly of body, sled and liner. For unshielded CAT6 with 23 or 24 AWG conductors with a max. insulated conductor diameter of 0.041", max. jacket diameter of .290"	Card of 25	**85-366**
	CAT5e Feed-Thru	5e	RJ-45 8P8C	■		For unshielded CAT5e with 23 or 24 AWG conductors with a max. insulated conductor diameter of 0.041", max. jacket diameter of .270"	Card of 25	**85-370**
							Card of 50	**85-371**
							Bag of 100	**85-372**
							Jar of 100	**85-372J**
	CAT5e Shielded Feed-Thru	5e	RJ-45 8P8C	■	■	For shielded CAT5e with 24 AWG conductors with a max. insulated conductor diameter of 0.041", max. jacket diameter of .270"	Card of 25	**85-365**
	CAT5e Shielded	5e	RJ-45 8P8C		■	For shielded CAT5e with 24 AWG conductors with a max. insulated conductor diameter of 0.041", max. jacket diameter of .270"	Card of 25	**85-361**
	CAT5e Standard	5e	RJ-45 8P8C			For unshielded CAT5e with 23 or 24 AWG conductors with a max. insulated conductor diameter of 0.041", max. jacket diameter of .270"	Card of 10	**85-147**
							Card of 15 (includes 15 Strain Relief Boots)	**85-379**
							Card of 25	**85-346**
							Card of 50	**85-396**
							Bag of 100	**86-396**
							Jar of 100	**86-396J**
	Snagless Strain Relief Boot	5e/6	RJ-45 8P8C			Blue color, slide on snagless boot, max. cable diameter of 5.5mm/.220"	Card of 25	**85-380**
	6-Contact Voice Plug	3	RJ-11/12 6P6C			6-position, 6-contact voice grade modular plug, max. 24 AWG conductors	Card of 25	**85-345**
	4 Contact Voice Plug	3	RJ-11 6P4C			6-position, 4-contact voice grade modular plug, max. 24 AWG conductors	Card of 25	**85-344**

NEW

Jar Options for Modular Plugs
Resealable jars of 100 pieces. Includes FREE jacket Stripper.

CAT6 Feed-Thru	85-377J
CAT5e Feed-Thru	85-372J
CAT6 Single Piece Standard	86-367J
CAT5e Standard	86-396J

Modular Plug Termination and Prep Tools

| FT-45™ Feed-Thru Modular Plug Crimp Tool | **30-495** |
| FT-45™ Replacement Blade | **30-4951** |

| Twisted Pair Termination Hip Kit | **33-508** |

| Feed-Thru RJ-45 Installation Hip Kit | **33-507** |

| Ratchet Telemaster™ Modular Plug Crimper | **30-696** |

| Telemaster™ Modular Plug Crimper | **30-496** |
| Telemaster Starter Kit | **33-700** |

| Data/Voice Modular Plug Crimp Kit | **33-396** |

| PrepPRO® UTP/Coax Cable Stripper | **45-605** |

| Adjustable Ringer Jacket Stripper | **45-165** |

| Electrician's Scissors | **35-088** |

Connector & Tool Compatibility Chart

IDEAL CONNECTOR	30-495 FT-45™	30-696 Ratchet Telemaster™	30-496 Telemaster™	33-396 Data/ Voice Crimper
CAT6A/6/5e Shielded Feed-Thru RJ-45	■			
CAT6 Feed-Thru RJ-45	■			
CAT6 Single Piece Standard RJ-45	■	■	■	■
CAT6 3-Piece Standard RJ-45	■	■	■	■
CAT5e Feed-Thru RJ-45	■			
CAT5e Shielded RJ-45	■	■	■	■
CAT5e Shielded Feed-Thru RJ-45	■			
CAT5e Standard RJ-45	■	■	■	■
RJ-11/12 Voice Plug		■	■	■
RJ-11 Voice Plug		■	■	■

Discover other wire and cable tools on our website.