



FT-45™

MODULAR FEED-THRU SOLUTIONS

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FT-45™ Modular Plug Crimp Tool

The FT-45™ is a simple, compact and highly effective crimp tool for installers and technicians that terminate RJ-45 connectors regularly.

Enables conductors to be cut flush with the end face of the connector when used with the FT-45™ tool.

- **Speed** - The simplified process of RJ-45 data terminations increases productivity
- **Accuracy** - Cleanly shears the excess conductors and leaves a smooth, flat finish
- **Reliability** - Clear connector design for visual inspection of wiring order reducing errors
- **Compact** - Easily fits in your pocket and lightens the tool bag load
- **Versatile** - Suitable with Feed-Thru, standard, or shielded connectors (CAT5e, CAT6 or CAT6A)
- **Heavy duty** - Cutting blade that will last for over 2,000 cuts
- **Ergonomic** - Reduced hand force compared to traditional crimp tools
- **Wiring scheme** - 568A & 568B marked on the tool
- **Easily maintained** - Replaceable cutting blades available

Description	Cat. No.
FT-45™ Feed-Thru Modular Plug Crimp Tool	30-495
FT-45™ Replacement Blade	30-4951

CAT5e/6/6A Feed-Thru RJ-45 Modular Plugs

Open end Feed-Thru connectors offer several advantages over standard closed end connectors.

- Reduces errors - Wires can be easily verified before trimming.
- Easy to use - Conductors do not need to be pre-trimmed to a specific length
- Improved wire stability - 3 prong contacts into every wire for more conductive contact points

**Large Diameter
CAT6A/6/5e**



CAT6 Feed-Thru



**CAT6 Standard
3-Piece***



**CAT5e Shielded
Feed-Thru**



CAT5e Feed-Thru



**CAT5e Standard
Shielded**



CAT5e Standard**



Description	Qty.	Cat. No.
CAT6A ^{***} /6/5e Shielded Feed-Thru RJ-45 Modular Plugs	10	85-363
CAT6A ^{***} /6/5e Shielded Feed-Thru RJ-45 Modular Plugs	25	85-368
CAT6A ^{***} /6/5e Shielded Feed-Thru RJ-45 Modular Plugs	50	85-369
CAT6A ^{***} /6 Unshielded Feed-Thru	50	85-385
CAT5e Shielded Feed-Thru RJ-45 Modular Plugs	25	85-365
CAT5e Shielded RJ-45 Modular Plugs	25	85-361
CAT5e Feed-Thru RJ-45 Unshielded Modular Plugs	25	85-370
CAT5e Feed-Thru RJ-45 Unshielded Modular Plugs	10	85-370-10
CAT5e Feed-Thru RJ-45 Unshielded Modular Plugs	50	85-371
CAT5e Feed-Thru RJ-45 Unshielded Modular Plugs	100	85-372
CAT6 Feed-Thru RJ-45 Unshielded Modular Plugs	25	85-375
CAT6 Feed-Thru RJ-45 Unshielded Modular Plugs	10	85-375-10
CAT6 Feed-Thru RJ-45 Unshielded Modular Plugs	50	85-376
CAT6 Feed-Thru RJ-45 Unshielded Modular Plugs	100	85-377

*see page 5 (85-366) / **see page 5 (85-346)

***only applies to a cable diameter of max. 8.1 mm with inner cores between 1.02-1.22 mm in diameter

Modular Plugs

- Plugs are capable of supporting the latest EIA/TIA cable system performance categories when installed in compliance with appropriate EIA/TIA standards and methods
- All plugs work with 24 AWG solid or stranded conductors and round or flat cables.



**85-344
RJ-11**



**85-346
RJ-45**

Description	Qty.	Cat. No.
8-Position 8-Contact, RJ-45 Shielded	25	85-361
8-Position 8-Contact, RJ-45	25	85-346
6-Position 6-Contact, RJ-11	25	85-345
6-Position 4-Contact, RJ-11	25	85-344

CAT6 RJ-45 Modular Plugs

- Unique three-piece design provides easy installation and optimal performance
- Crimps with a standard RJ-45 crimp die
- 50 micron gold contacts, 8-position, 8-contact
- Suitable for solid or stranded conductors – 22 – 23 AWG



Description	Qty.	Cat. No.
CAT6 RJ-45 Modular Plugs	25	85-366

Strain Relief Boots for Modular Plugs

- Prevents broken connector tabs and snagging while extending connector life
- Minimises cable bends that can reduce data speed and result in data loss
- Dampens cable movement and vibrations that can result in premature connector failure



Description	Qty.	Cat. No.
Strain Relief Boots for Modular Plugs*	25	85-380

* max cable diameter 55 mm (0.22")

Data T[®]-Cutter

- The curved blades minimise cable deformation, which helps keep the cable impedance (Ω) consistent during connector to cable termination, and allows cable stripping tools to work more efficiently and accurately
- Cuts multi-pair cable up to .500 in. (12.7mm) and coaxial cable up to RG-9/U
- Suitable for copper and aluminium (not steel reinforced)
- Steel reinforced centre conductors can be trimmed with bolt cutting holes
- Spring loaded handles require less effort for repeated cutting
- Locking latch keeps tool closed in pouch to protect blade edges



Description	Cat. No.
Data T [®] -Cutter	45-074

Electrician's Scissors

- Designed for use in telephone and electrical service applications
- Cut up to 16 AWG solid and 12 AWG stranded wire
- Serrated surface on back blade edge cleans wire and straightens twisted pair conductors
- Stripping notches strip 19 and 23 AWG wire
- Chrome over nickel plating



Description	Part No.
Electrician's Scissors w/stripping notches	35-088

PrepPRO[™] Coax/UTP Cable Stripper

- Auto adjusting blade depth for 6/6Quad/59 coax cable
- 1/4" x 1/4" (6.4 x 6.4 mm) coax preparation
- Replaceable blade cartridges
- Spring loaded for consistent cutting force
- CAT5e/6 jacket stripping



Description	Cat. No.
PrepPRO [™] Coax/UTP Cable Stripper	45-605

Data Kits



33-507



33-508

Kit Includes:	33-507	33-508	30-5014EU	30-5015EU	30-5016EU
Unshielded Kit			✓		
Premium Kit				✓	
Smart Home Kit					✓
Feed-Thru RJ-45 Installation Kit	✓				
Twisted Pair Termination Kit		✓			
FT-45™ Modular Crimp Tool	✓	✓	✓	✓	✓
PrepPRO® Coax (59/6/6Q)/UTP Cable Stripper	✓	✓	✓	✓	✓
Data T®-Cutter			✓	✓	
Electrician's Scissors	✓	✓			
Punch Down Tool		✓			
Pouch	✓	✓			
CAT6A*/6/5e Feed-Thru Shielded RJ-45 Modular Plugs				✓ (25)	
CAT5e Feed-Thru Shielded RJ-45 Modular Plugs				✓ (25)	
CAT5e Feed-Thru Unshielded RJ-45 Modular Plugs			✓ (50)	✓ (25)	✓ (10)
CAT6 Feed-Thru Unshielded RJ-45 Modular Plugs			✓ (50)	✓ (25)	

*only applies to a cable diameter of max. 8.1 mm with inner cores between 1.02-1.22 mm in diameter



FT-45™ KITS

SPEED, ACCURACY AND RELIABILITY

With increasingly sophisticated smart building systems comes a requirement for increasingly complex data networks which includes a large number of terminations.

Designed to completely re-think the traditional RJ-45 assembly and crimping process, IDEAL Industries' FT-45 solution allows installers of smart networks to speed up and simplify the termination of RJ-45 plugs by eliminating the need to trim conductors to a precise length before inserting the cable into the plug.

IDEAL kits meet the demands of today's network installers and come in a variety of options with or without the modular plugs, but all including a selection of quality tools required for installing data terminations faster, easier and more consistent.



30-5014EU



30-5015EU



WIRE CONNECTORS

WIRE CONNECTOR SOLUTIONS

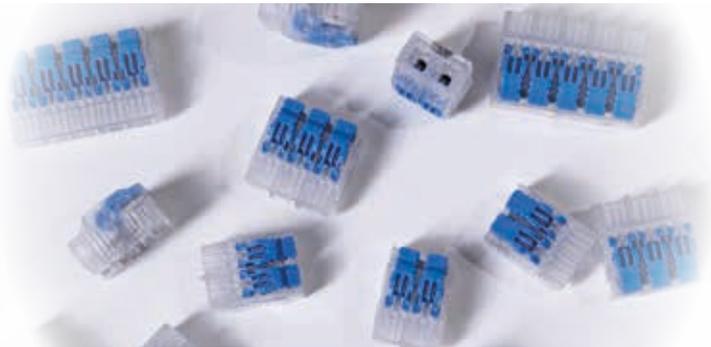


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GEN II LEVER WIRE CONNECTORS

The IDEAL Lever connectors utilise the latest connection technologies and can accommodate multiple wires of different types of sizes.

It offers a fast, simple and cost-effective alternative to termination strip allowing electrical professionals to save time and money on site while achieving easier, more consistent terminations for wires up to 4mm² (12AWG) and 32 Amps.



- For use in all applications up to 32A including lighting, access control, radial and final ring circuits
- Releasable connector - for solid, stranded and flexible wires
- Innovative levers - opens in the opposite direction of insertion points
- Compact design - suits tight spaces.
- Easy to use - no need to lift the levers when using on solid wire
- Continuity check port - for testing
- Clear window at the bottom of the connector - allows for visual verification of connection
- Secure your cables in seconds - no screwdriver, no crimping, just strip, push, connect
- Wire clamping range - 0.2 mm² to 4.0 mm² (24 - 12 AWG for solid and rigid stranded wires (7 strands) and 0.14 mm² to 4.0 mm² (24 - 12 AWG) for flexible wires
- BS 7671:2018 (18th Edition), IEC 60998 and UL 486C compliant
- CE, UKCA, UL and ENEC approved

Ports	Quantity	Cat. No.
2	Bag of 10	30-0092-10
	Bag of 30	30-0092-30
	Box of 40	30-0092
3	Bag of 10	30-0093-10
	Bag of 30	30-0093-30
	Box of 40	30-0093
5	Box of 30	30-0095
Mixed Bag	10 x 2 port 10 x 3 port	30-0099-B
Mixed Box	10 x 5 port	30-0099



For kits, please see page 9

Specifications

		Model L2 2 port	Model L3 3 port	Model L5 5 port
Rating	IEC 60998	32 Amp / 450V / 85°C (ambient)		
	UL 486C	600V / 105°C (working)		
Depth		18.6 mm		
Width		13.3 mm	18.9 mm	30.4 mm
Height		8.8 mm		
Wire Combination Range	Solid and Rigid Stranded	0.2mm ² -4.0mm ² /24-12 AWG		
	Flexible Wires	0.14mm ² -4.0m ² /24-12 AWG		

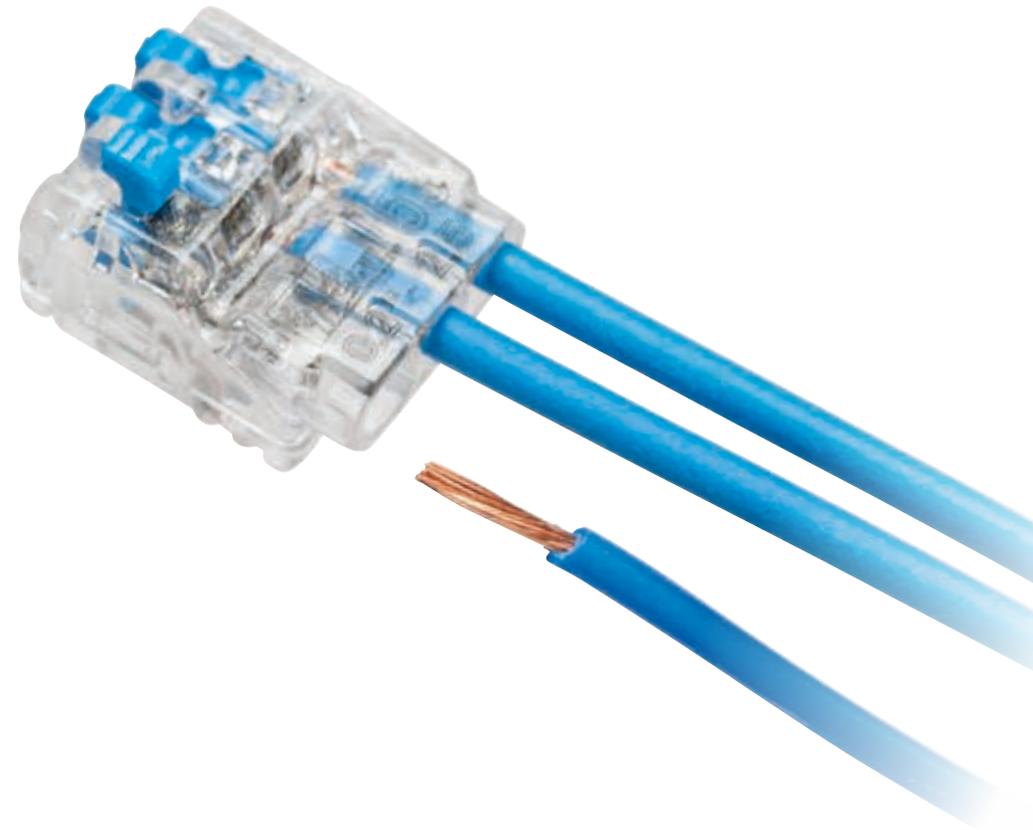


LEVER WIRE CONNECTORS

The lever wire connectors provide the perfect solution for joining solid, stranded or flexible conductors.

These versatile connectors have a compact design that takes up less room in junction boxes and enclosures.

- Releasable connector for solid, stranded and flexible wires
- Wire clamping range: 0.2mm² – 2.5mm² (24-18 AWG)
- Modern alternative to traditional strip connectors
- Safe, reliable and re-useable
- Works just like a standard Push-In connector with solid and rigid stranded wires
- Clear shell allows verification of connection
- Continuity check port and strip length guide
- Compact design suits tight spaces
- No screwdriver required
- BS 7671:2018 (18th Edition), IEC 60998 and UL 486C compliant
- CE, UKCA, UL and ENEC approved



Specifications

		Model 52 2 port	Model 53 3 port	Model 55 5 port
Rating	IEC 60998	24 Amp / 450V / 85°C ambient		
	UL 486C	300V / 105°C working		
Depth		21 mm		
Width		11.9 mm	16.1 mm	24.5 mm
Height		11.7 mm		
Wire Combination Range	Solid, Rigid Stranded and Flexible Wires	0.2mm ² -2.5mm ² /24-18 AWG		



Ordering Information

Model	Ports	Quantity	Cat. No.
52	2	Box of 40	30-1052
53	3	Box of 40	30-1053
55	5	Box of 30	30-1055
59	Mixed/ Combo Box	10 x 2 port 10 x 3 port 10 x 5 port	30-1059

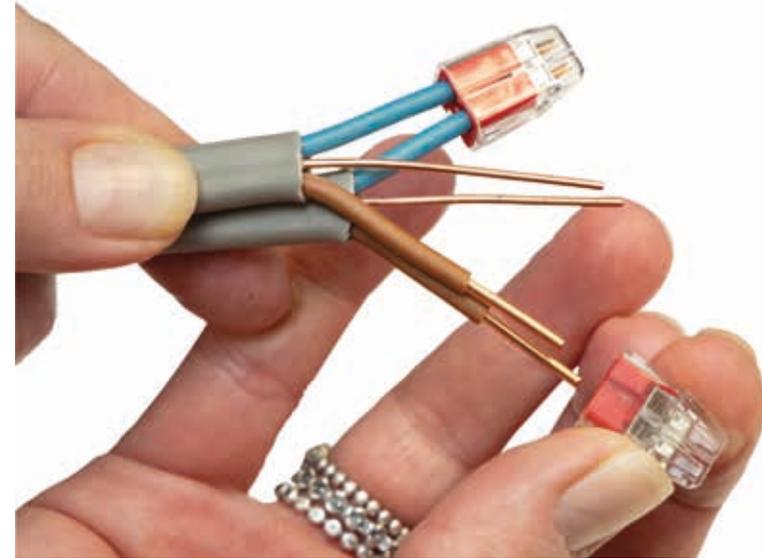
For kits, please see page 10

PUSH-IN WIRE CONNECTORS

The Push-In wire connector can reduce installation time by up to 50% compared to more traditional connection methods such as terminal blocks.

Push-In connectors are the perfect replacement for crimped splices. In addition the most popular 2, 3 & 4 port models are rated to 32 Amps.

- Fits any combination of 0.75mm² - 4.0mm² solid or 1.5mm² - 2.5mm² stranded (≤ 7 strands) copper conductors or tin bonded flexible wire
- 32 Amp rating on 2, 3 and 4 port models
- High quality, secure connections
- Clear shell allows verification of connection
- Continuity test port
- Colour coded for easy identification
- BS 7671:2018 (18th Edition), IEC 998-2-2 and UL 486C/UL 467 grounding compliant
- CE, UKCA and UL approved



Specifications

	Model 32 Red 2 port	Model 33 Orange 3 port	Model 34 Yellow 4 port	Model 87 Grey 5 port	Model 88 Blue 6 port	Model 90 Black 8 port
Rating	IEC 60998		32A/450V/105°C max		24A/450V/105°C	
	UL94V-2/UL 467*		20A/600V**/105°C			
Depth	19.81 mm			18.52 mm		18.21 mm
Width	13.21 mm	17.53 mm	20.83 mm	23.03 mm	15.32 mm	35.03 mm
Height	9.65 mm			9.02 mm	15.42 mm	9.02 mm
Wire range	Solid		0.75mm ² to 4.0mm ² / 20-12 AWG			
	Stranded		1.5mm ² to 2.5mm ² * (≤ 7 Strands) 16 - 14 AWG (≤ 19 str.) 18 AWG (7 Strands)			
	Tin Bonded		18 - 14 AWG (≤ 19 str.)			

COPPER TO COPPER ONLY. Do not use on aluminium.* Only 2, 3 and 4 ports.
**600V maximum building wire, 1000V maximum signs or lighting fixtures.



Ordering Information

Model	Colour	Ports	Quantity	Cat. No.
32	Red	2	Box of 100	30-1032
			Bag of 10	30-1032-10
			Bag of 40	30-1032-40
33	Orange	3	Box of 100	30-1033
			Bag of 10	30-1033-10
			Bag of 40	30-1033-40
34	Yellow	4	Box of 100	30-1034
			Bag of 10	30-1034-10
			Bag of 40	30-1034-40
87	Grey	5	Box of 50	30-087
88	Blue	6 Stacked	Box of 50	30-088
90	Black	8	Box of 50	30-090

COPPER TO COPPER ONLY. Do not use on aluminium.
For kits, please see page 9



SPLICELINE IN-LINE WIRE CONNECTORS

The SpliceLine® in-line wire connector provides a crimp-free, solderless butt splice. The two-port model accepts up to 4.0mm² (14AWG) solid wire, allowing one connector to do the job of multiple through-crimps.

Its end-to-end connection is also a great solution for pre-fab operations.

- Tool-free, Push-In through crimp
- Easily passes through standard knockouts
- End-to-end connection ideal for pre-fab operations
- Transparent polycarbonate window for visual inspection of connection
- BS 7671:2018 (18th Edition), IEC 60998-1, IEC 60998-2-2, UL 486C and UL 467 grounding compliant
- CE, UKCA and UL listed



Description	Qty.	Cat. No.
SpliceLine In-line Wire Connectors	Bag of 10	30-1042-10
	Bag of 40	30-1042-40
	Box of 100	30-1042

For kits, please see page 9

Specifications

Model 42 / Orange / 2 port			
Rating	IEC 60998	32A/450V/105°C max	
	UL 467	20A/600V/105°C	
Wire range	Solid	0.5mm ² - 4.0mm ²	20-12 AWG
	Stranded	1.0mm ² - 2.5mm ² (≤ 7 strands)	16-12 AWG (≤19 strands)
	Tin Bonded	18 - 14 AWG (≤19 str.)	



GEN II LEVER WIRE CONNECTOR KITS

The GEN II lever wire connector kits contain a selection of Gen II lever connectors, Push-In connectors and SpliceLine connectors. There is even a kit including our cable stripper for flat cable (Twin & Earth) and Data T®-Cutter.



For the full specification for each kit, please see the individual product pages or visit our website.

Ordering Information

Description	Qty.	Cat. No.
Twin & Earth Kit for flat cable	1 x Cable Stripper for flat cable (45-235) 1 x Data T®-Cutter (45-074) 20 x SpliceLine 20 x 2 port Push-In 20 x 3 port Push-In 20 x 2 port Gen II lever 20 x 3 port Gen II lever	30-5002EU
Push-In & Gen II Lever Wire Connector Kit (80 pcs.)	10 x 2 port Gen II lever connector 10 x 3 port Gen II lever connector 5 x 5 port Gen II lever connector 10 x 2 port Push-In 10 x 3 port Push-In 10 x 4 port Push-In 10 x 6 port Push-In 15 x 2 port SpliceLine®	30-5025EU
Push-In & Gen II Lever Wire Connector Premium Kit (240 pcs.)	30 x 2 port Gen II lever connector 40 x 3 port Gen II lever connector 20 x 5 port Gen II lever connector 30 x 2 port Push-In 30 x 3 port Push-In 20 x 4 port Push-In 15 x 5 port Push-In 15 x 6 port Push-In 10 x 8 port Push-In 30 x 2 port SpliceLine®	30-5026EU

WIRE CONNECTOR KITS

IDEAL offers a range of wire connector kits comprising of Push-In, SpliceLine® and Lever wire connectors.

These kits meet the needs of today's modern electricians who demand quality products that satisfy the requirement to make safe and reliable connections of wires in a variety of wiring applications.



Ordering Information for kits

Model	Description	Qty.	Cat. No.
	32A Push-In Connector Installer Kit	30 x 2 port Push-In 30 x 3 port Push-In 30 x 4 port Push-In 30 x SpliceLine®	30-5011EU
	Push-In Connector Premium Kit	50 x 2 port Push-In 50 x 3 port Push-In 50 x 4 port Push-In 40 x 5 port Push-In 20 x 6 port Push-In 15 x 8 port Push-In 30 x Twister® 341 (FOC)	30-5020EU
	Push-In Connector Starter Kit	30 x 2 port Push-In 30 x 3 port Push-In 30 x 4 port Push-In 20 x 6 port Push-In	30-5021EU

Model	Description	Qty.	Cat. No.
	Push-In & Lever Wire Connector Kit (80 pcs.)	10 x 2 port lever connector 10 x 3 port lever connector 5 x 5 port lever connector 10 x 2 port Push-In 10 x 3 port Push-In 10 x 4 port Push-In 10 x 6 port Push-In 15 x 2 port SpliceLine®	30-5005EU
	Push-In & Lever Wire Connector Premium Kit (240 pcs.)	30 x 2 port lever connector 40 x 3 port lever connector 20 x 5 port lever connector 30 x 2 port Push-In 30 x 3 port Push-In 20 x 4 port Push-In 15 x 5 port Push-In 15 x 6 port Push-In 10 x 8 port Push-In 30 x 2 port SpliceLine®	30-5006EU



WIRE CONNECTOR BAGS

The IDEAL range of wire connector bags have been designed for electrical contractors, plumbers, installers and heating engineers that may not require the quantities found in our popular boxes, but still have the occasional requirement for our key range of electrical wire connectors.



Ordering Information

Description	Qty.	Cat. No.
SpliceLine Wire Connectors	10 pk	30-1042-10
SpliceLine Wire Connectors	40 pk	30-1042-40
2 port Push-In Wire Connectors	10 pk	30-1032-10
3 port Push-In Wire Connectors	10 pk	30-1033-10
4 port Push-In Wire Connectors	10 pk	30-1034-10
2 port Push-In Wire Connectors	40 pk	30-1032-40
3 port Push-In Wire Connectors	40 pk	30-1033-40
4 port Push-In Wire Connectors	40 pk	30-1034-40
2 port Gen II Lever Wire Connectors	10 pk	30-0092-10
3 port Gen II Lever Wire Connectors	10 pk	30-0093-10
2 port Gen II Lever Wire Connectors	30 pk	30-0092-30
3 port Gen II Lever Wire Connectors	30 pk	30-0093-30
2-, 3- & 5 port Gen II Lever Wire Connectors	30 pk	30-0099-B
SpliceLine, 3 port Push-In and 2- & 3 port Gen II Lever Connectors	20 pk	30-0099-MB