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Wire Termination



Cable Installation



Lockout/Tagout



Test & Measurement



Datacom/  
Network Testers



# IDEAL

Electrical Catalogue

**IDEAL INDUSTRIES LIMITED**

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[www.idealindustries.co.uk](http://www.idealindustries.co.uk)



# IDEAL, an American Original

We listen, and we deliver products with a purpose.

J. Walter Becker founded IDEAL in 1916 and made a promise that is still an important part of the way IDEAL operates today: "An IDEAL product will provide a value greater than the price paid for it. Service is a part of the product." Becker's founding principle represents our everyday commitment to you. It's the driving force behind our partnerships with the world's leading distributors, a state of the art delivery system, outstanding customer and technical support and variety of operational benefits designed to save time and money.

It means we're proud of the way we do business.

With headquarters located in Sycamore, Illinois, IDEAL also has European operations in the UK, Germany and France.

Today's global economy demands we look at doing business more creatively, more competitively and more efficiently. IDEAL is on the leading edge of product development and design, integrating those ideas through strategic investment, implementation of lean manufacturing and just-in-time inventory. Field-tested and customer influenced design means we are creating some of the most forward thinking product designs in the industry.



## IDEAL is with you every step of the way

In-Sure™ & Twister® wire connectors, Yellow 77® wire pulling lubricant, T®-Stripper wire strippers, SignalTEK network testers and SureTrace® & TightSight® electrical testers are products which have found their way into the tool bags of electrical and networking professionals and solidified the IDEAL reputation as a manufacturer of innovative and trustworthy products.

Through ingenuity, proven performance and innovative engineering, IDEAL continues to lead the electrical industry with products that deliver value greater than the price paid for them.



### TERMINATION TECHNOLOGY

Designed to exacting European safety standards, IDEAL manufactures a connector that's right for every job – fast, safe, reliable connections every time.



### WIRE PULLING LUBRICANT

The No.1 brand of wire pulling lubricant. Environmentally safe, IDEAL lubes provide exceptional lubricity for super-fast cable pulls through conduit and ducting.



### LOCKOUT/TAGOUT

IDEAL offers a comprehensive range of electrical lockout/tagout products that provide cost-effective solutions for managing electrical safety and circuit isolation.



### TEST & MEASUREMENT

From our innovative SureTrace™ Circuit Tracers to the award winning TightSight® Clamp Meters, IDEAL develops test instruments that do the job faster, safer and easier.



### DATACOM/ NETWORK TESTERS

From copper to fibre, twisted pair to coax, IDEAL offers everything you need for the installation, termination, testing and troubleshooting of modern LAN, CCTV and audio/video installations.

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## NEW PRODUCTS FROM IDEAL



For almost 100 years IDEAL has served the electrical market and continues to take pride in innovation that delivers unrivalled value, quality and exceptional performance. Engineered specifically for the professional electrician, IDEAL is committed to providing new products that deliver durability, on the job efficiency and safety.

Every IDEAL product is covered by a comprehensive warranty.



**NEW**  
Enhanced  
Performance

### SURETRACE™ CIRCUIT TRACERS



#### CertainCircuit™

After you identify and trip the correct breaker, the transmitter senses the loss of power and sends a different signal back to the receiver to give you confidence at the panel that the right circuit was de-energised.



Energised



De-energised



See Page D-6



### INSITE® COMPRESSION CONNECTORS

Featuring a 360° clear site window that simplifies the connector to cable installation.



### NJX™ COMPRESSION CONNECTORS

offer a high performing, reliable and economical solution designed for applications that do not require weatherproof connectivity.



### TLC™ COMPRESSION CONNECTORS,

our simplest, fastest and lowest total cost solution for installing compression connectors. Designed to save Time, Labour and Cost!

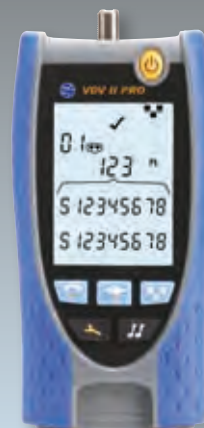


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### VDV II TESTERS

- Three new Voice-Data-Video verification testers
- New test features including TDR length measurement, Ethernet service detection, PoE solicitation and detect with voltage measurement, and more
- New multi remote and identifier accessory packs
- Visit [www.vdvii.com](http://www.vdvii.com) for more details



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# THERE'S A BETTER WAY TO CUT



Designed to cut 380 mm<sup>2</sup> (750 KCMIL MCM) and smaller hard-drawn copper and aluminium cables. The hardened steel blades ensure consistent cuts and long-term durability. The rounded blade design minimises cable distortion during cutting and the quick release mechanism simplifies blade back-out. The locking mechanism keeps handles closed for easy storage and the moulded-in foot provides stability and leverage when making multiple cuts.



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## PowerBlade™ 750 CABLE CUTTER

With adjustable torque arms, heavy duty gears and state of the art hardened steel blades, IDEAL PowerBlade™ Cable Cutters offer ease of use and unsurpassed performance. The PowerBlade™ 750 is extremely versatile and designed for multiple applications. With a jaw opening of 38 mm (1.5") and specially hardened, rounded blades cable distortion is minimised for professional quality every time. This PowerBlade™ has the ability to cut up to 380 mm<sup>2</sup> (750 MCM) copper cable and 506 mm<sup>2</sup> (1000 MCM) aluminium cable.



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**POWERBLADE™ CUTS  
COPPER CABLE UP TO  
380 MM<sup>2</sup> (750 MCM)  
AND ALUMINIUM UP TO  
506 MM<sup>2</sup> (1000 MCM)**

**38 MM MAX JAW  
1.5" OPENING**



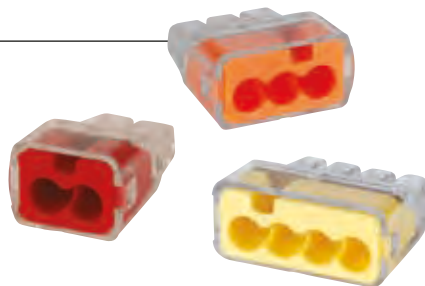
# Connectors designed for every application

## ***In-Sure™ Push-In Wire Connectors***

The fastest, easiest, push-in connector on the market, the In-Sure™ push-in wire connector can reduce installation time by up to 50% compared to more traditional connection methods.

Our 2, 3 & 4 port connectors are uniquely rated to 32 Amps making them suitable for a broad range of wiring applications.

In-Sure™ connectors are the perfect replacement for crimped splices.



## ***In-Sure™ Lever Wire Connectors***

The new In-Sure™ lever wire connectors are the perfect solution for joining solid, stranded or flexible conductors. When used with rigid wires there is no need to touch the blue levers because they operate just like standard push-in connectors. Lifting the levers permits fast insertion of flexible wires and the removal of both flexible and rigid wires.

Suitable for use in a wide variety of installation and lighting applications these connectors are available in 2, 3 and 5-port variants that accommodate wires sizes up to 2.5 mm<sup>2</sup>. Featuring a transparent housing that allows visual inspection of the wires and a compact design that takes up less room in junction boxes and enclosures, In-Sure™ lever wire connectors are the versatile all-rounders.



## ***SpliceLine™ Wire Connector***

SpliceLine™, a revolutionary in-line wire connector. Utilising patented push-in technology, the unique design provides a crimp-free, solderless butt splice making application easier and faster. The 2-port model supports a wide range of either stranded or solid wires, allowing one connector to cover the same wire range as multiple butt splices.

The end-to-end connection of SpliceLine™ is a great solution for today's pre-fab operations and also makes it perfect for lengthening short wires in tight spaces. It easily passes through standard knock-outs and the transparent polycarbonate allows for visual inspection, assuring a secure connection every time.



## ***Twister® Wire Connectors***

Accommodating the majority of common wiring configurations from 0.5mm<sup>2</sup> - 10.0 mm<sup>2</sup>, the ribbed cap provides a secure grip and swept wings offer extra leverage. A patented square-wire spring provides safe, secure connections. Conforming to BS EN 60998 Twister® wire connectors fully comply with BS 7671:2008 (17<sup>th</sup> Edition Wiring Regulations).

A cost-effective and flexible solution, Twister® connectors are rated up to 57 Amps, will accept solid and stranded wire and have the added advantage of being re-usable, making them the obvious alternative to terminal blocks.



## ***WeatherProof® Wire Connectors***

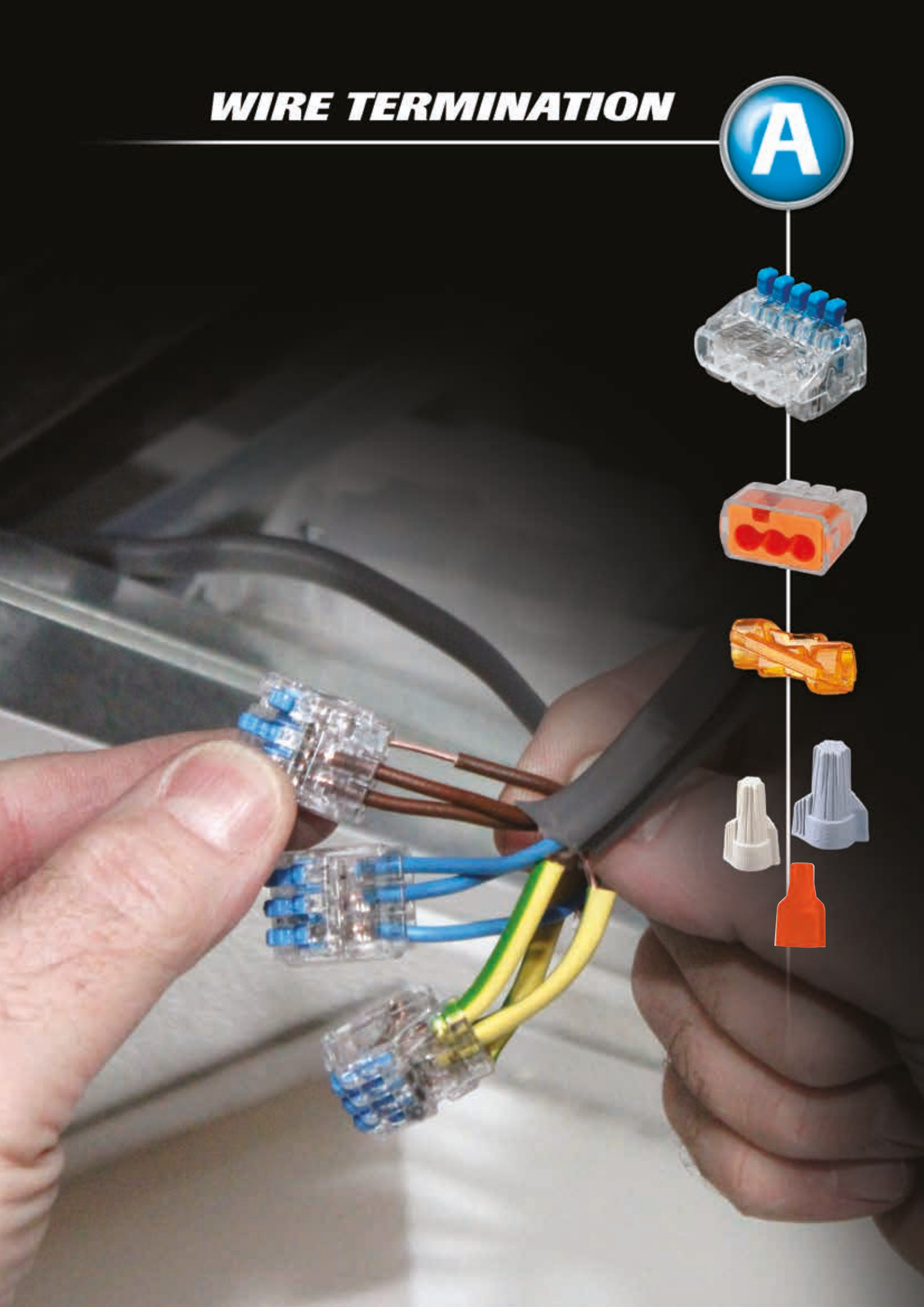
Connected and Protected in one easy step. Designed specifically for above ground, interior/exterior connections exposed to damp/wet and corrosive environments.

Each connector is pre-filled with 100% silicone-based sealant which gives them their IP55 rating. Several models handle a variety of wire sizes from 1.5mm<sup>2</sup> - 4.0mm<sup>2</sup>, making them ideal for use in gardens, garages and patio areas, as well as in commercial and industrial environments.





# ***WIRE TERMINATION***



## In-Sure® Push-In Wire Connectors

The In-Sure® push-in wire connector can reduce installation time by up to 50% compared to more traditional connection methods such as terminal blocks. In-Sure® 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 0.75mm<sup>2</sup> - 4.0mm<sup>2</sup> solid or 1.5mm<sup>2</sup> - 2.5mm<sup>2</sup> stranded ( $\leq 7$  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
- Ergonomic design for easy grip and comfort
- Low insertion force for fast connections
- Continuity test port
- Colour coded for easy identification
- BS 7671:2008 (17<sup>th</sup> Edition) compliant
- Conform to EN 60998-1 and EN 60998-2-2 connecting device standards

## Push-In

### FAST FACT:

The In-Sure® Push-In has a low insertion force for fast, easy connections. Great for junction boxes.



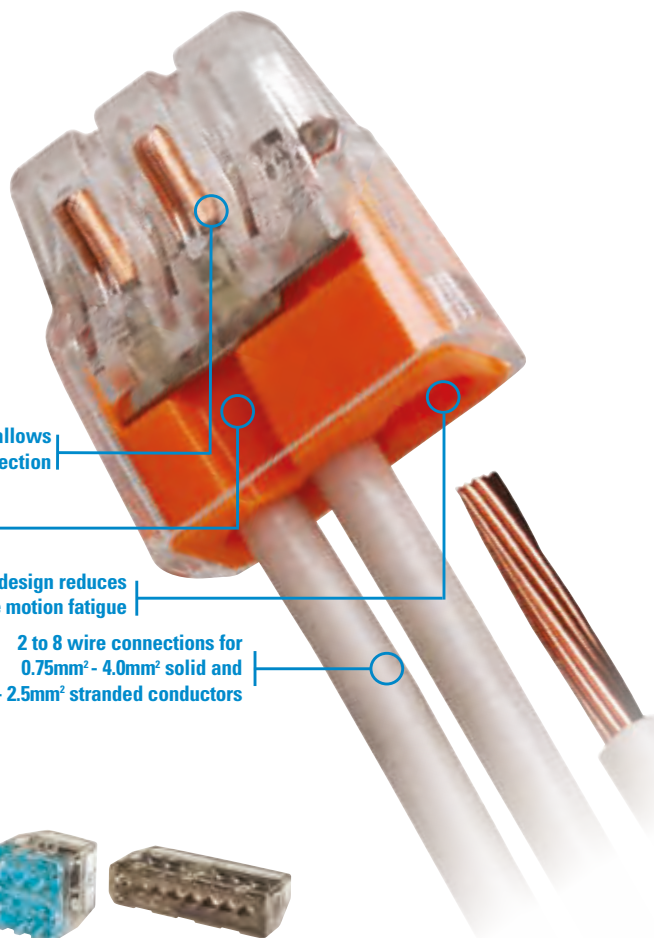
**Strip, Push, Connect**  
**The Fastest Way To Make A Connection**

Clear shell allows verification of connection

Check port for continuity testing

Push-in design reduces repetitive motion fatigue

2 to 8 wire connections for 0.75mm<sup>2</sup> - 4.0mm<sup>2</sup> solid and 1.5mm<sup>2</sup> - 2.5mm<sup>2</sup> stranded conductors



**32A**



### Specifications

|                        |                | Model 32<br>Red<br>2-Port                 | Model 33<br>Orange<br>3-Port | Model 34<br>Yellow<br>4-Port | Model 87<br>Grey<br>5-Port                | Model 88<br>Blue<br>6-Port | Model 90<br>Black<br>8-Port |
|------------------------|----------------|---|------------------------------|------------------------------|---|----------------------------|-----------------------------|
| Rating                 |                | 32 Amp / 450V / 105°C maximum             |                              |                              | 24 Amp / 450V / 105°C maximum             |                            |                             |
| Depth                  |                | 19.81 mm                                  |                              |                              | 18.52 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 Combination Range | Solid wire     | 0.75mm <sup>2</sup> to 4.0mm <sup>2</sup> |                              |                              | 0.75mm <sup>2</sup> to 4.0mm <sup>2</sup> |                            |                             |
|                        | Stranded wire* | 1.5mm <sup>2</sup> to 2.5mm <sup>2</sup>  |                              |                              | 1.5mm <sup>2</sup> to 2.5mm <sup>2</sup>  |                            |                             |

\* Stranded wire is limited to  $\leq 7$  strand

### Ordering Information

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

COPPER TO COPPER ONLY. Do not use on aluminium.



Wire Connector  
774A

Cu/Cu  
Only





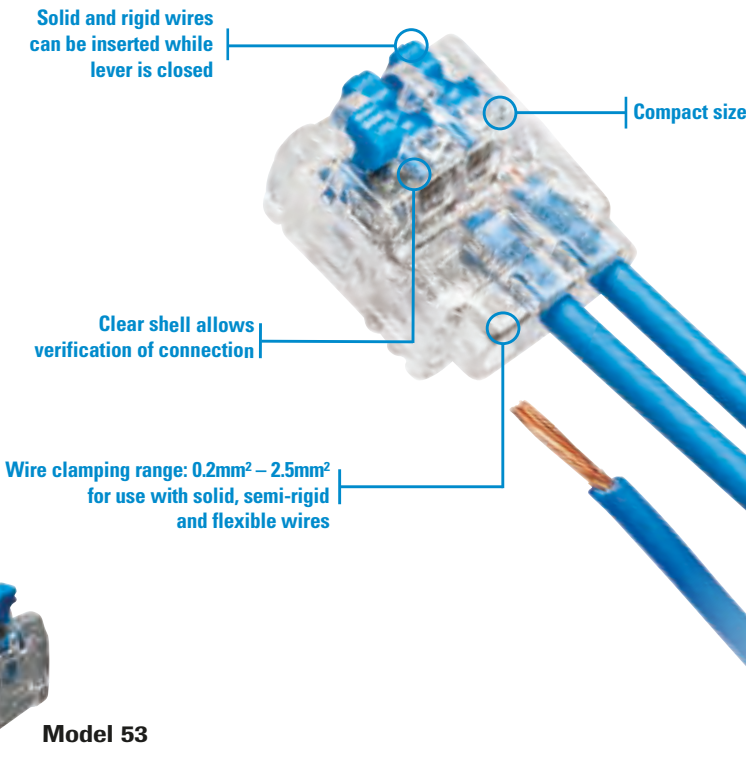
In-Sure® Lever Wire Connectors

The In-Sure® 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: 0.2mm<sup>2</sup> – 2.5mm<sup>2</sup>
- 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
- Strip length guide
- Compact design suits tight spaces
- No screwdriver required
- BS 7671:2008 (17<sup>th</sup> Edition) compliant
- Conform to EN 60998-1 and EN 60998-2-2 connecting device standards

Solid, Stranded or Flex  
The Versatile All-Rounder



Specifications

|                        |  | Model 52<br>2-Port    | Model 53<br>3-Port | Model 55<br>5-Port |
|------------------------|--|-----------------------|--------------------|--------------------|
| Rating                 |  | 24 Amp / 450V / 120°C |                    |                    |
| 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-2.5mm2          |                    |                    |

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:<br>10 x 2-port<br>10 x 3-port<br>10 x 5-port | 30-1059  |



Lever

FAST FACT:

The In-Sure® Lever Connectors are ideal in lighting applications where you may have to join solid and flexible wires together.



## SpliceLine® In-Line Wire Connectors

The SpliceLine® in-line wire connector provides a crimp-free, solderless butt splice. Conforming to BS 7671:2008, the two-port model accepts up to 4.0mm<sup>2</sup> 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.

- 32A rating
- 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
- Wide wire range of: 0.5mm<sup>2</sup> to 4.0mm<sup>2</sup> solid
- BS 7671:2008 (17<sup>th</sup> Edition) compliant
- Conform to EN 60998-1 and EN 60998-2-2 connecting device standards

**A Faster Butt Splice**  
**A Better Butt Splice**

Transparent polycarbonate shell allows for visual inspection of connection

Check port for continuity testing

Accepts solid or stranded \* wire

Slim design fits through standard knockouts



Scan for product video

**SpliceLine®**  
IN-LINE WIRE CONNECTORS

### FAST FACT:

Perfect for lengthening short wires, the SpliceLine® is 3X faster than traditional butt-splices.



**3X  
FASTER  
THAN BUTT SPLICES  
NO MORE CRIMPING!**

| Model | Colour | Rating               | Wire Range   | Quantity   | Cat. No.        |
|-------|--------|----------------------|--|------------|-----------------|
| 42    | Orange | 32A<br>450V<br>105°C | Solid: 0.5mm <sup>2</sup> - 4.0mm <sup>2</sup><br>Stranded*: 1.0mm <sup>2</sup> - 2.5mm <sup>2</sup> | Bag of 10  | <b>30-1342S</b> |
|       |        |                      |  | Box of 100 | <b>30-1042</b>  |

\* Stranded wire is limited to ≤ 7 strands



Wire Connector  
774A

Cu/Cu  
Only





## Twister® Wire Connectors

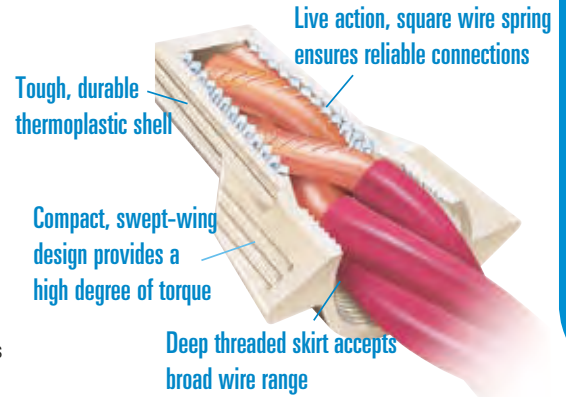
The No.1 twist-on wire connector. The Twister® easily handles the most common wiring tasks. A patented, expanding square-wire spring always ensures a quick, safe connection.

- Exceptional wire-range capacity — three colour-coded models handle wire combinations from as small as 0.5 mm<sup>2</sup> to as large as 10.0 mm<sup>2</sup>
- Accept solid, stranded and flexible wires and are reusable
- Swept wings offer extra leverage and less effort for large wire combinations
- Live-action, square-wire spring locks onto wire for safe, secure connections
- Deep skirt helps protect against flash-over and turned-back strands for maximum dielectric protection
- Cost effective replacement for terminal blocks
- BS 7671:2008 (17<sup>th</sup> Edition) compliant
- Conform to EN 60998-1:2004, EN 60998-2-4:2005 connecting device standards



## Optimum Wire Range

## Ultimate Performance



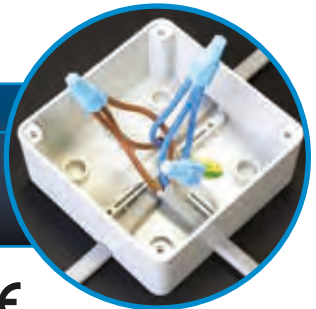
Wire Connectors

| Model | Colour     | Wire Combination Range (mm)  | Quantity   | Cat. No. |
|-------|------------|--|------------|----------|
| 340®  | Lt. Blue   | 32A / 450V<br>0.5mm <sup>2</sup> to 4.0mm <sup>2</sup><br>Min. 2 x 0.5mm <sup>2</sup><br>Max. 2 x 4.0mm <sup>2</sup>   | Box of 100 | 30-340   |
| 341®  | Tan        | 41A / 600V<br>0.5mm <sup>2</sup> to 6.0mm <sup>2</sup><br>Min. 3 x 0.5mm <sup>2</sup><br>Max. 2 x 6.0mm <sup>2</sup>   | Box of 100 | 30-341   |
| 342®  | Grey       | 57A / 600V<br>2.5mm <sup>2</sup> to 10.0mm <sup>2</sup><br>Min. 3 x 2.5mm <sup>2</sup><br>Max. 2 x 10.0mm <sup>2</sup> | Box of 50  | 30-342   |
| 344®  | Red/Yellow | 32A / 600V<br>0.5mm <sup>2</sup> to 4.0mm <sup>2</sup><br>Min. 3 x 0.5mm <sup>2</sup><br>Max. 4 x 4.0mm <sup>2</sup>   | Box of 50  | 30-144   |

## Twister®

### FAST FACT:

The small profile of the Model 340 Twister® means it easily fits inside standard connector enclosures.



## WeatherProof Wire Connectors

Designed specifically for above ground, interior/exterior connections exposed to damp/wet and corrosive environments.

WeatherProof connectors are pre-filled with a non-hardening, silicone-based sealant that protects against moisture and corrosion.

- Silicone-based sealant protects against moisture and corrosion
- IP55 rated for use in damp/wet locations
- Easy to apply, pre-filled twist-on wire connectors
- Accept solid and stranded wire
- Handle wire sizes from 1.5mm<sup>2</sup> to 4.0mm<sup>2</sup> copper conductors
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)
- BS 7671:2008 (17<sup>th</sup> Edition) compliant
- Conform to EN 60998-1:2004, EN 60998-2-4:2005 connecting device standards

## Connected and Protected

## Damp/Wet Above Ground Locations



## WeatherProof

### FAST FACT:

The silicone-based sealant protects electrical connections, eliminating the need for heat-shrink or water-proof enclosures in many applications.



### WeatherProof Wire Connectors

| Model | Colour        | Wire Combination Range (mm <sup>2</sup> )   | Quantity   | Cat. No. |
|-------|---------------|---|------------|----------|
| 61    | Grey/Orange   | 1.5mm <sup>2</sup> to 2.5mm <sup>2</sup><br>Min. 1 x 1.5mm <sup>2</sup> / Max. 2 x 2.5mm <sup>2</sup> | Card of 25 | 30-1161  |
| 62    | Grey/Red      | 1.5mm <sup>2</sup> to 4.0mm <sup>2</sup><br>Min. 2 x 1.5mm <sup>2</sup> / Max. 4 x 4.0mm <sup>2</sup> | Card of 20 | 30-1162  |
| 63    | Grey/Dr. Blue | 2.5mm <sup>2</sup> to 4.0mm <sup>2</sup><br>Min. 3 x 2.5mm <sup>2</sup> / Max. 6 x 4.0mm <sup>2</sup> | Card of 15 | 30-1163  |

## Wire Connector Kits

IDEAL offers a range of wire connector kits comprising of In-Sure® Push-In, SpliceLine® In-Line, In-Sure® Lever Wire, Twister® and WeatherProof 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<br>Installer Kit                      | 30 x 2-port push-in<br>30 x 3-port push-in<br>30 x 4-port push-in<br>30 x SpliceLine®  | <b>30-5011EU</b> |
|    | In-Sure® Push-In Connector<br>Premium Kit                   | 50 x 2-port push-in<br>50 x 3-port push-in<br>50 x 4-port push-in<br>40 x 5-port push-in<br>20 x 6-port push-in<br>15 x 8-port push-in<br>30 x Twister® 341 (FOC)  | <b>30-5020EU</b> |
|   | In-Sure® Push-In Connector<br>Starter Kit                   | 30 x 2-port push-in<br>30 x 3-port push-in<br>30 x 4-port push-in<br>20 x 6-port push-in   | <b>30-5021EU</b> |
|  | Push-In & Lever Wire<br>Connector Kit (80 pcs.)             | 10 x 2-port lever connector<br>10 x 3-port lever connector<br>5 x 5-port lever connector<br>10 x 2-port push-in<br>10 x 3-port push-in<br>10 x 4-port push-in<br>10 x 6-port push-in<br>15 x 2-port SpliceLine®  | <b>30-5005EU</b> |
|  | Push-In & Lever Wire<br>Connector Premium Kit<br>(240 pcs.) | 30 x 2-port lever connector<br>40 x 3-port lever connector<br>20 x 5-port lever connector<br>30 x 2-port push-in<br>30 x 3-port push-in<br>20 x 4-port push-in<br>15 x 5-port push-in<br>15 x 6-port push-in<br>10 x 8-port push-in<br>30 x 2-port SpliceLine® | <b>30-5006EU</b> |
|  | Twister® & WeatherProof<br>Connector Premium Kit            | 40 x Twister® 340®<br>40 x Twister® 341®<br>25 x Twister® 342®<br>25 x Twister® PRO 344®<br>20 x WeatherProof 61<br>12 x WeatherProof 62<br>12 x WeatherProof 63   | <b>30-5000EU</b> |
|  | Twister® & WeatherProof<br>Connector Starter Kit            | 30 x Twister® 340®<br>30 x Twister® 341®<br>15 x Twister® PRO 344®<br>15 x WeatherProof 62   | <b>30-5001EU</b> |





# ***CABLE INSTALLATION***

**B**



## Tuff-Grip™ Pro... Industry's Leading Fish Tape!

Fish Tapes



**Length marked!  
Now laser etched  
in 12" increments  
to provide instant  
conduit length.**

Etched in (12") increments  
to provide instant conduit  
length.

Tuff-Cuff™ tape retaining  
feature keeps tape  
properly positioned in  
the opening.

Full-perimeter handle  
band helps keep dirt  
and moisture out,  
prolonging life.



**Tuff-Grip™ Handle**  
Large, comfortable  
ergonomically-designed,  
grasp from the top or side.  
Allows for use with gloves.

**Superior pull-  
out and rewind  
characteristics.**

**Exceptionally Durable  
Case and Handle**

### Fish Tape Materials

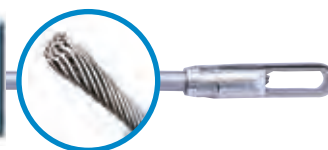
#### Blued Steel™

- Laser etched in 12" increments to provide instant conduit length
- Unique finish is non-oily and resists rust
- Multiple options in width, length and eyelet for ease of use
- Industry's straightest wire
- Stiffer for long runs
- Highest grade carbon steel
- Tensile strength 725 kg (1,600 lbs.)



#### Zoom™

- 19 strands of stainless steel
- Ultra hard nylon jacket adds slipperiness, protects cables and user's hands
- Excellent for corrugated plastic conduit
- 19 strand twisted radial steel core encased in high molecular density outer jacket.
- Excellent for multiple bends or wet/corrosive work environment



#### Volt-Guard

- Non-conductive to 1000V
- Rectilinear profile for superior pushing power
- Designed for use around live circuits

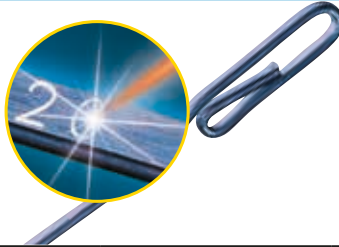




## Blued Steel™

### Blued-Steel™ Fish Tapes

- Laser etched in 12" increments to provide instant conduit length
- High column strength for longer runs
- Non-oily finish resists rust

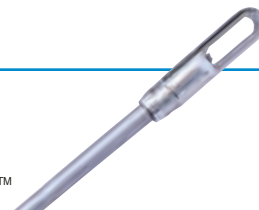


| Length (m/ft.)      | Width & Thickness mm / in | Case Diameter  | End Type    | Tuff-Grip™ Pro |
|---------------------|---------------------------|----------------|-------------|----------------|
| <b>Blued Steel™</b> |                           |                |             |                |
| 18 / 60             | 3.2 x 1.5 / 1/8 x .060    | 30 cm / 12 in. | Formed hook | <b>31-055</b>  |
| 36 / 120            | 3.2 x 1.5 / 1/8 x .060    | 30 cm / 12 in. | Formed hook | <b>31-056</b>  |
| 73 / 240            | 3.2 x 1.5 / 1/8 x .060    | 30 cm / 12 in. | Formed hook | <b>31-057</b>  |

## Zoom™

### Zoom™ Fish Tapes

- Great for hard to navigate conduit with multiple bends
- Nylon jacket protects the steel core while adding to the slipperiness of Zoom™

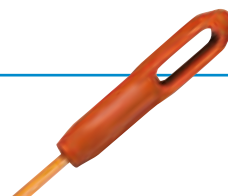


| Length (m/ft.)                              | Width & Thickness mm / in. | Case Diameter  | End Type | Tuff-Grip™ Pro |
|---|----------------------------|----------------|----------|----------------|
| <b>Zoom™ Nylon Jacketed Stainless Steel</b> |                            |                |          |                |
| 15 / 50                                     | 4.8 / 3/16 diameter        | 30 cm / 12 in. | Eyelet   | <b>31-090</b>  |
| 30 / 100                                    | 4.8 / 3/16 diameter        | 30 cm / 12 in. | Eyelet   | <b>31-092</b>  |

## Volt-Guard

### Volt-Guard Fish Tapes

- Non-conductive up to 1000V
- Elliptical design gives the Volt-Guard greater pushing power



| Length (m/ft.)    | Width & Thickness mm / in. | Case Diameter  | End Type | Tuff-Grip™ Pro |
|-------------------|----------------------------|----------------|----------|----------------|
| <b>Fibreglass</b> |                            |                |          |                |
| 18 / 60           | 4.8 x 2.4 / .1875 x .094   | 30 cm / 12 in. | Eyelet   | <b>31-542</b>  |
| 36 / 120          | 4.8 x 2.4 / .1875 x .094   | 30 cm / 12 in. | Eyelet   | <b>31-544</b>  |

## Aqua-Gel® II Cable Pulling Lubricant

- Polymer-based formula provides maximum tension reduction in high-stress electrical and communication cable-pulling operations
- Compatible with all cable types except composite rubber
- Cleans up easily with soap and water
- Clings to cable throughout long pulls
- Remains stable over wide temperature range — usable from -2°C to 88°C (28°F to 180°F)
- Dries to a semi-fluid film that won't clog conduit
- Easy to apply by hand, brush or pump
- Environmentally safe — non-toxic, non-flammable and non-corrosive
- Suitable for indoor or outdoor use



| Description                       | Cat. No. |
|-----------------------------------|----------|
| 0.95 litre / 1-qt. Squeeze bottle | 31-378   |

## ClearGlide™ Wire Pulling Lubricant

- Clear and colourless for quick and easy clean-up — great for indoor and retrofit pulls
- Exceptional lubricity for super-fast pulls
- Polymer-based formula is perfect for all electrical and datacom applications
- Safe to use with all cable types
- Controlled evaporation rate is ideal for shorter runs
- Remains stable over wide temperature ranges — usable from -1°C to 82°C (30°F to 180°F)
- Dries to a semi-fluid film that won't clog conduit
- Easy to apply by hand, brush or pump
- Environmentally safe — non-toxic, non-flammable and non-corrosive



| Description                       | Cat. No. |
|-----------------------------------|----------|
| 0.95 litre / 1-qt. Squeeze bottle | 31-388   |

## Wire Pulling Lubricant Selection Guide



|   | ClearGlide™ Wire Pulling Lubricant | Yellow 77® Wire Pulling Lubricant | Aqua-Gel® II Wire Pulling Lubricant |
|---|------------------------------------|-----------------------------------|-------------------------------------|
| Colour                                    | Clear                              | Yellow                            | Blue                                |
| Base                                      | Polymer                            | Wax                               | Polymer                             |
| Average Coefficient of Friction*          | 0.23                               | 0.17                              | 0.19                                |
| Pull Length Up To                         | 75 ft/22 m                         | 1,200 ft/365 m                    | 250 ft/76 m                         |
| Retains Pull Characteristics Up To        | 8 hours                            | 24 hours                          | 24 hours                            |
| Stability Range                           | 32°F – 180°F (0°C – 82°C)          | 32°F – 130°F (0°C – 54°C)         | 32°F – 180°F (0°C – 82°C)           |
| Application Temperature Range             | 40°F – 100°F (4°C – 38°C)          | 40°F – 100°F (4°C – 38°C)         | 40°F – 100°F (4°C – 38°C)           |
| COMPATIBILITY (Cable Types):              |                                    |                                   |                                     |
| Rubber                                    | •                                  | •                                 | •                                   |
| Neoprene                                  | •                                  | •                                 | •                                   |
| Nylon                                     | •                                  | •                                 | •                                   |
| PVC                                       | •                                  | •                                 | •                                   |
| High-density or Cross-linked Polyethylene | •                                  | •                                 | •                                   |
| Low-density Polyethylene                  | •                                  |                                   | •                                   |
| Semiconducting Jacket                     | •                                  |                                   | •                                   |
| Hypalon                                   | •                                  | •                                 | •                                   |

\*Results from NEETRAC, an independent testing laboratory affiliated with The Georgia Institute of Technology.

## Yellow 77® Wire Pulling Lubricant

The no. 1 brand of wire pulling lubricant since 1959.

- The perfect general purpose lube
- Wax-based formula provides superior lubricity
- Safe to use with most cable types except low-density polyethylene and semi-conducting jackets
- Clings to cable throughout long pulls, even where moisture is present
- Won't break down or separate after repeated exposure to freezing temperatures
- Dries to a thin, non-conductive film
- Easy to apply by hand or brush
- Creamy texture applies easily and uniformly
- Homogeneous blend requires no mixing
- Won't dry out — surface coat forms to control evaporation
- Environmentally safe — non-toxic, non-flammable and non-corrosive



| Description                       | Cat. No. |
|-----------------------------------|----------|
| 0.95 litre / 1-qt. Squeeze bottle | 31-358   |
| 3.79 litre / 1-gal. Bucket        | 31-351   |
| 18.93 litre / 5-gal. Bucket       | 31-355   |



## Duct Seal

- Seals around junction boxes, flashings and service entrances
- Permanently soft, non-toxic compound can be painted immediately after application
- Won't adversely affect other plastic materials or corrode metals



| Description           | Cat. No. |
|-----------------------|----------|
| 0.45 kg / 1 lb. Block | 31-601   |
| 2.27 kg / 5 lb. Block | 31-605   |

## Selection & Application Guide



**Web Based Selection & Application Guide:**  
<http://ideal.sdafiles.com>

## Noalox® Anti-Oxidant

**Great for use on  
Cu/Al electrical  
connections**

- Anti-oxidant and anti-seizing compound improves efficiency and service life of aluminium-to-aluminium and aluminium-to-copper electrical connections
- Suspended zinc particles penetrate and cut aluminium oxide
- Provides additional inter-strand and inter-conductor current paths for improved conductivity and cooler connections
- Carrier material excludes air to prevent further oxidation
- For use with all types of pressure-type wire connectors including screw-on, tap, service entrance and split-bolt
- Reduces galling and seizing and promotes good ground continuity on aluminium conduit joints



| Description                   | Cat. No. |
|-------------------------------|----------|
| 15 ml / 0.5 oz. Tube          | 30-024   |
| 118 ml / 4-oz. Squeeze bottle | 30-026   |

**For a Material Safety Data Sheet on  
Noalox® and other products check out:**

**[http://www.idealindustries.co.uk/  
support/msds/](http://www.idealindustries.co.uk/support/msds/)**



## Conduit Benders

- Exceptionally durable materials for extra strength
- Reinforced at stress points for longer life
- Markings are raised and cast into the bender body on both sides for easy visibility
- Deeply serrated step helps prevent slippage when applying force
- Grooved internal hook surface helps prevent conduit from slipping
- Flat hook surface provides stable starting point
- Much lower cost than stand mounted benders
- Takes up minimal space in vehicle
- Simple to use with no set-up required

## Ductile Iron

- Withstands a lifetime of heavy use
- Ductile iron material is stronger than malleable iron or aluminium



### Ductile Iron Head & Handle Complete

| Conduit Type and Size         | Cat. No. |
|-------------------------------|----------|
| 20 mm / 3/4 in. steel conduit | 74-027   |
| 25 mm / 1 in. steel conduit   | 74-028   |

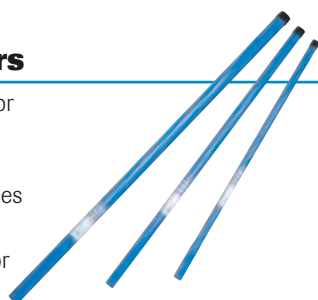
### Ductile Iron Head Only

| Conduit Type and Size         | Cat. No. |
|-------------------------------|----------|
| 20 mm / 3/4 in. steel conduit | 74-002   |
| 25 mm / 1 in. steel conduit   | 74-003   |



## Handles for Benders

- Rugged, steel construction for long-term durability
- Baked-on blue enamel finish resists corrosion and enhances visibility
- Convenient bending guide for offset bends



| Conduit Type and Size         | Cat. No. |
|-------------------------------|----------|
| 20 mm / 3/4 in. steel conduit | 74-019   |
| 25 mm / 1 in. steel conduit   | 74-020   |



Scan for  
product video



## BenderBoot™

- Santoprene® tread and hand grip provides support for saddle and offset bends
- Easy push-on assembly to 1/2 in. and 3/4 in. bender handles



| Description | Cat. No. |
|-------------|----------|
| BenderBoot™ | H-4076   |

*Santoprene® is a registered trademark of Exxon Mobil*





## T<sup>®</sup>-Stripper Wire Strippers

Invented by IDEAL INDUSTRIES and manufactured at our facility in Sycamore, Illinois, USA, the T<sup>®</sup>-Stripper Wire Stripper line has been the industry standard for almost 50 years.

Compact, lightweight and easy to use. Features precision-ground, knife-type blades, built-in looping holes, wire cutters and a convenient plier nose.



- Form-ground, knife-type blades for accurate, easy stripping without nicking insulation
- Built-in wire cutter and looping holes
- Convenient plier nose for extra gripping strength
- Laser-etched wire gauge for easy-to-read visibility
- Spring-loaded automatic opening
- Corrosion-resistant, black oxide finish
- Tough steel construction

| Description                                     | Solid                   | Stranded | Cat. No.   |
|---|-------------------------|----------|------------|
| T <sup>®</sup> -Stripper Wire Stripper – Metric | 0.75-6.0mm <sup>2</sup> |          | 45-120-341 |
| T <sup>®</sup> -Stripper Wire Stripper – Metric | 0.5-4.0mm <sup>2</sup>  |          | 45-125-341 |

## Lil' Ripper Stripper™



- Rips Twin & Earth outer jacket cleanly and quickly
- Clips outer sheathing to remove excess jacket
- Strips inner conductor wires
- Looping holes loop wire for screw-on connections
- Twist-Assist™ tightens most popular sizes of winged twist-on connectors
- Injection moulded elastomer grip provides a comfortable, slip resistant grip
- Strip length measuring scale allows for quick and easy measurements
- Conveniently fits in your pocket

| Description           | Cat. No. |
|-----------------------|----------|
| Lil' Ripper Stripper™ | 45-025   |

## Reflex™ Premium T<sup>®</sup>-Stripper Wire Strippers



- Ergonomic design for maximum comfort
- Curved handles reduce wrist fatigue
- Sleeves extend to stripping head to cushion thumb and fingers
- Textured, no-slip sleeves provide a sure, easy grip

| Description                                       | Solid                                  | Stranded | Cat. No.   |
|---|--|----------|------------|
| Reflex™ Premium T <sup>®</sup> -Stripper – Metric | 0.5mm <sup>2</sup> -4.0mm <sup>2</sup> |          | 45-425-341 |

## 7-in-1 Stripper



- Versatile, seven-function tool features precision-ground stripping blades, cushioned grips and plier nose
- Strips 1.5mm<sup>2</sup> - 6.0mm<sup>2</sup> solid and 0.5mm<sup>2</sup> - 4.0mm<sup>2</sup> stranded wire (AWG equivalents)
- Crimps bare and insulated terminals from 0.5mm<sup>2</sup>-5.0mm<sup>2</sup> wire, RG-59 coax connectors and 7 to 8mm auto ignition connectors
- Cuts unhardened wire, bolts and screws and reforms threads
- Reams and de-burrs conduit
- Gauges and loops wire

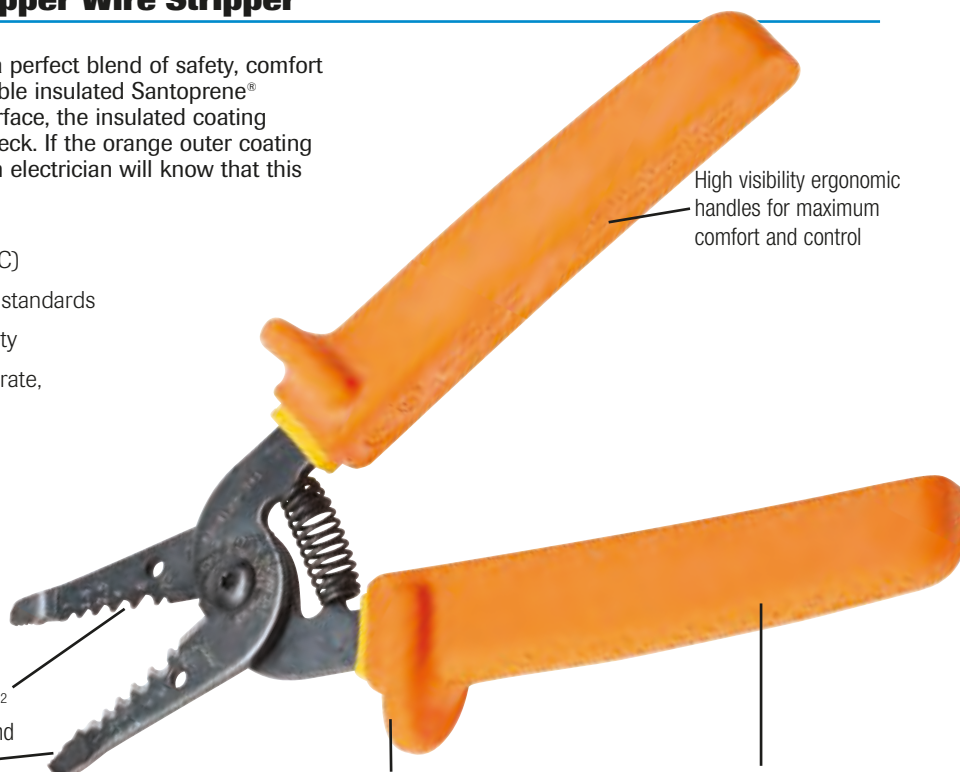
| Description     | Cat. No. |
|-----------------|----------|
| 7-in-1 Stripper | 45-777   |

## Premium Insulated T®-Stripper Wire Stripper

The IDEAL insulated T®-Stripper creates a perfect blend of safety, comfort and precision functionality. Featuring double insulated Santoprene® handles with a soft, easy-to-grip outer surface, the insulated coating process acts as an 'at-a-glance' safety check. If the orange outer coating reveals any of the inner yellow surface, an electrician will know that this tool needs to be replaced.

- 1000 Volt certified (1000V AC, 1500V DC)
- Meets IEC 60 900 and ASTM F1505-01 standards
- Double insulated handles for added safety
- Form-ground, knife-type blades for accurate, easy stripping without nicking insulation
- Built-in wire cutter and looping holes
- Convenient plier nose for extra gripping strength
- Laser-etched wire gauge for easy-to-read visibility
- Spring-loaded automatic opening
- Corrosion-resistant, black oxide finish
- Locking tabs keep spring in place

0.75mm<sup>2</sup> to 6.0mm<sup>2</sup>  
stripping notches and  
plier gripping nose



High visibility ergonomic  
handles for maximum  
comfort and control

Non-slip guard for  
added safety

Textured handles provide a sure grip  
and are resistant to perspiration,  
water, oil and chemicals

| Description   | Cat. No.    |
|---|-------------|
| Premium T®-Stripper Wire Stripper -<br>Metric 0.75mm <sup>2</sup> -6.0mm <sup>2</sup> | 45-9120-341 |

## Stripmaster® Wire Stripper

- One-step stripping enhances productivity
- Spring-action motion increases leverage and reduces operator fatigue
- Precision-ground, knife-type blades provide clean, accurate stripping
- Sturdy die-cast frame provides long-term durability
- Wire gripper holds wire securely in position



### Knife-Type Blades for Metric Wire

| Wire Size mm <sup>2</sup> |                     |                     |                     |                     |                     | Cat. No.   |
|---------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------|
| 0.75 mm <sup>2</sup>      | 1.0 mm <sup>2</sup> | 1.5 mm <sup>2</sup> | 2.5 mm <sup>2</sup> | 4.0 mm <sup>2</sup> | 6.0 mm <sup>2</sup> | 45-292-341 |

## Twin & Earth Cable Stripper



- Self-adjusting stripping blades automatically select proper position
- Strips Twin and Earth cable
- Open-throat construction allows unlimited strip length
- Neatly removes outer cable sheath and inner wire sheathing to desired lengths
- Lightweight, ergonomic design reduces user fatigue

| Description                 | Cat. No. |
|-----------------------------|----------|
| Twin & Earth Cable Stripper | 45-235   |



## T<sup>®</sup>-Cutter Wire Cutter



- Hardened steel, shear-type blades
- Spring-loaded automatic opening
- Convenient plier nose for extra gripping strength
- Corrosion-resistant, black oxide finish
- Tough steel construction
- Locking tab keeps spring in place

| Description                        | Cat. No. |
|------------------------------------|----------|
| T <sup>®</sup> -Cutter Wire Cutter | 45-123   |

## Long-Arm Cable Cutter



- High strength forged blades for ultimate durability
- Precision-ground jaws make clean cuts with minimal cable distortion
- Replaceable blades
- 1000 MCM (29.3 Dia.)
- For copper and aluminium only

| Description           | Length     | Cat. No. |
|-----------------------|------------|----------|
| Long-Arm Cable Cutter | 810 mm/32" | 35-033   |

CAUTION: Comfort-grip handles are not designed for protection against electrical shock. Do not use on live circuits.

## Data T<sup>®</sup>-Cutter Wire Cutter



- Cuts round communication cable and maintains cable geometry for better cable performance
- Cuts multi-pair cable up to 12.7 mm (0.5 in.) and coaxial cable up to RG-9/U
- Suitable for soft cables (not steel reinforced)
- Steel reinforced centre conductors can be trimmed with bolt cutting holes
- Cushioned comfort grip handles
- Locking latch keeps tool closed in pouch

| Description                 | Cat. No. |
|-----------------------------|----------|
| Data T <sup>®</sup> -Cutter | 45-074   |

## PowerBlade™ Cable Cutter

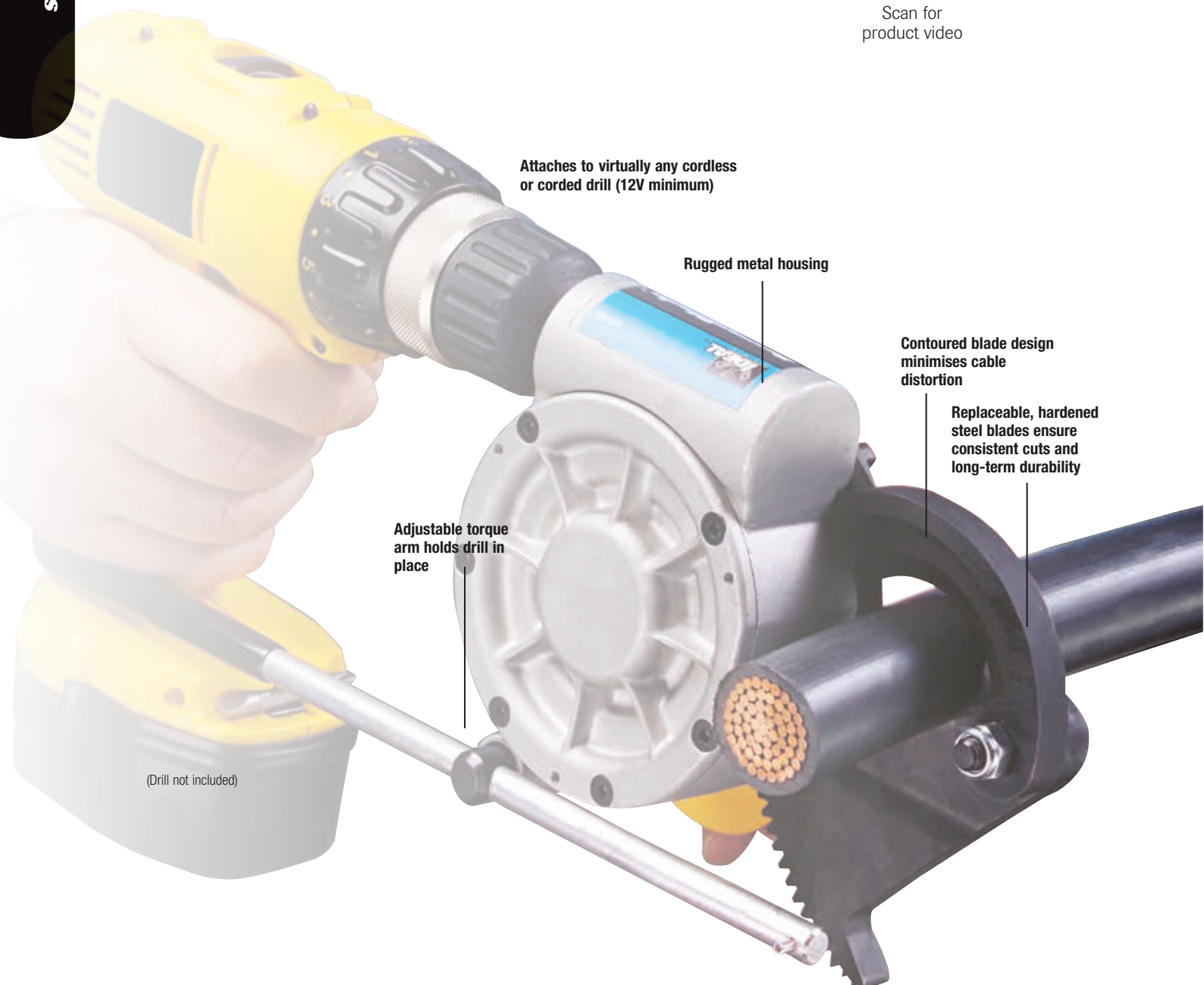
The IDEAL PowerBlade™ Cable Cutter is designed to cut cables quickly and efficiently. With adjustable torque arms, heavy-duty gears and proprietary hardened steel blades, they deliver unsurpassed performance, ease-of-use and durability. Compatible with virtually any 12 volt or higher drill so that cutting is as effortless as pulling the drill's trigger. The unique compact design is the perfect tool for fitting into tight spaces. Features an ergonomic design and non-slip grips, helping you cut cable easily and safely.

| Description                  | Cat. No. |
|------------------------------|----------|
| PowerBlade™ 750 Cable Cutter | 35-078   |

**Not designed to cut SWA cable.**



Scan for  
product video



Attaches to virtually any cordless  
or corded drill (12V minimum)

Rugged metal housing

Contoured blade design  
minimises cable  
distortion

Replaceable, hardened  
steel blades ensure  
consistent cuts and  
long-term durability

Adjustable torque  
arm holds drill in  
place

(Drill not included)

### PowerBlade™ 750 CABLE CUTTER



(Drill not included)

- Extremely versatile and designed for multiple applications
- Jaw opening of up to 1 1/2 inch (38mm).
- Cuts copper cable up to 380 mm<sup>2</sup> (750 MCM) and aluminium cable up to 506 mm<sup>2</sup> (1000 MCM)
- Specially hardened, rounded blades minimise cable distortion for professional quality every time



Cable Cutters

## 38 MM (1½")

# MAX JAW OPENING





## Ratcheting Cable Cutter

- Designed to cut 380 mm<sup>2</sup> (750 KCMIL MCM) and smaller hard-drawn copper and aluminium cables
- Hardened steel blades ensure consistent cuts and long-term durability
- Rounded blade design minimizes cable distortion during cutting
- Quick release mechanism simplifies blade back-out
- Locking mechanism keeps handles closed for easy storage
- Moulded-in foot provides stability and leverage when making multiple cuts

**Not designed to cut SWA cable.**

Cable Cutters

Hardened, long life steel blades

Cuts up to 750 MCM (380mm<sup>2</sup>) hard-drawn copper

High strength ratcheting teeth

Quick handle release

Comfort grip handles

Handle locking mechanism



| Description                              | Cat. No. |
|--|----------|
| 750 KCMIL (MCM) Ratcheting Cable Cutter* | 35-053   |

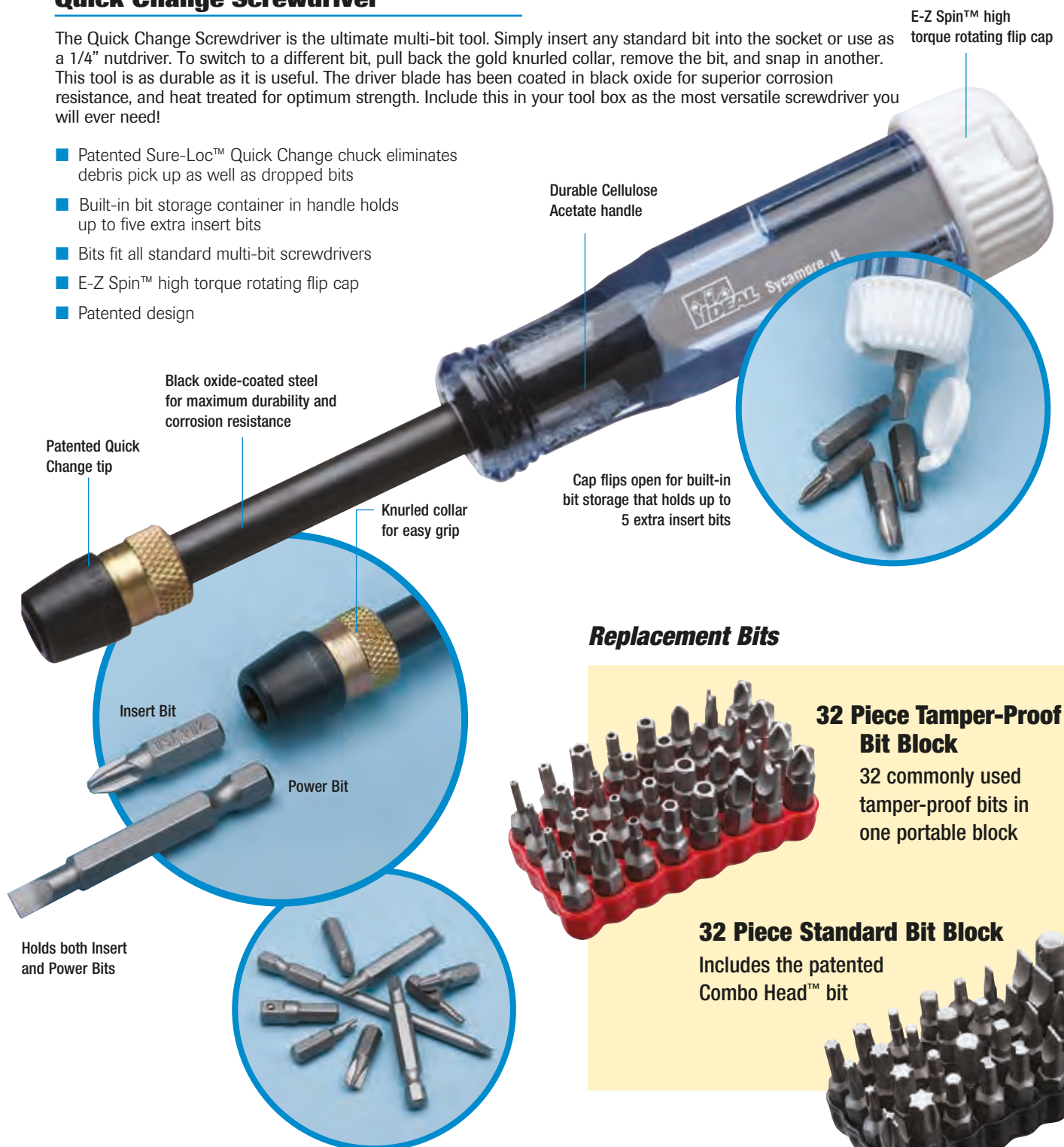
\*Max. Jaw Opening - 2 in. (50mm). Not for SWA cable.



## Quick Change Screwdriver

The Quick Change Screwdriver is the ultimate multi-bit tool. Simply insert any standard bit into the socket or use as a 1/4" nutdriver. To switch to a different bit, pull back the gold knurled collar, remove the bit, and snap in another. This tool is as durable as it is useful. The driver blade has been coated in black oxide for superior corrosion resistance, and heat treated for optimum strength. Include this in your tool box as the most versatile screwdriver you will ever need!

- Patented Sure-Loc™ Quick Change chuck eliminates debris pick up as well as dropped bits
- Built-in bit storage container in handle holds up to five extra insert bits
- Bits fit all standard multi-bit screwdrivers
- E-Z Spin™ high torque rotating flip cap
- Patented design



## Replacement Bits



### 32 Piece Tamper-Proof Bit Block

32 commonly used tamper-proof bits in one portable block

### 32 Piece Standard Bit Block

Includes the patented Combo Head™ bit



(Excludes Bits)



Scan for  
product video

The Quick Change Screwdriver accommodates a variety of bits

| Description  | Blade Length | Handle Length | Overall Length | Cat. No. |
|--|--------------|---------------|----------------|----------|
| 33-Piece Quick Change Screwdriver Set - Quick Change Screwdriver and 32-Piece Tamper-Proof Bit Block | 3-1/16 in.   | 4-3/16 in.    | 7-1/4 in.      | 35-933   |
| 33-Piece Quick Change Screwdriver Set - Quick Change Screwdriver and 32-Piece Standard Bit Block     | 3-1/16 in.   | 4-3/16 in.    | 7-1/4 in.      | 35-934   |

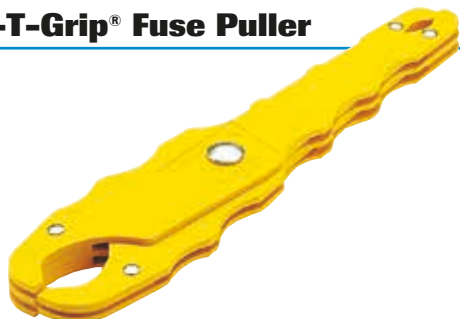
## Auto-Lock™ Tape Measure 7.5m/25ft



- Automatic blade lock
- Push button for smooth blade retraction
- Nylon coated blade for extra long life and wear resistance
- Double sided marked blade for convenience
- Shock-resistant rubber grip for added comfort and protection

| Description                       | Cat. No. |
|-----------------------------------|----------|
| Auto-Lock™ Tape Measure 7.5m/25ft | 35-242M  |

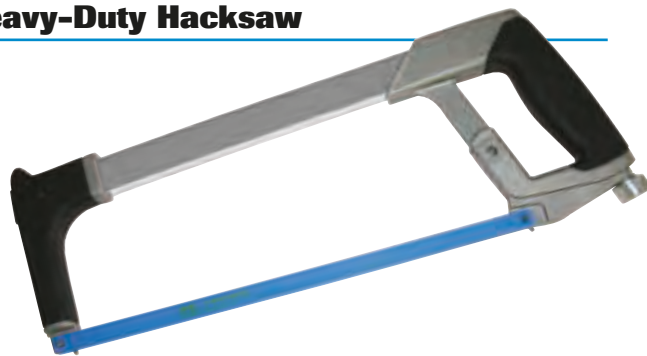
## Safe-T-Grip® Fuse Puller



- Maximum efficiency and convenience for removing or replacing cartridge-type fuses
- Fully insulated, high-dielectric, glass-filled polypropylene construction
- Notched handles provide safe, no-slip grip
- Clearly marked amperage ranges
- Exceed MIL specifications

| Description  | Cat. No. |
|--|----------|
| Medium Puller for 0 to 100A/250V & 600V, 1.3 cm (1/2 in.) to 2.5 cm (1 in.) dia. fuses; 19 cm (7-1/2 in.) long | 34-002   |

## Heavy-Duty Hacksaw



- Cushioned ergonomic grip for performance and comfort
- Rugged frame provides lightweight rigidity and exceptional control
- Stores up to nine extra blades
- Blades can be adjusted to 55° angle for flush cutting and tensioned to 30,000 psi
- Includes 300 mm / 12 in. x 24T bi-metal blade

| Description        | Cat. No. |
|--------------------|----------|
| Heavy-Duty Hacksaw | 35-260   |

## Ratchet Crimp Tool



- Crimps insulated or bare terminals and splices on 0.5mm² - 4.0mm² (10-22 AWG) wire
- Ratchet action prevents release prior to crimp connection – helps ensure uniform crimps
- Vinyl-coated handles provide a solid, comfortable grip

| Description        | Cat. No. |
|--------------------|----------|
| Ratchet Crimp Tool | 83-001   |

## Large Mouth Bag

- Top opens completely for easy access to large tools – reinforced to hold itself open
- Rugged zipper closure helps prevent tool loss
- Removable shoulder strap
- Durable multi-ply construction



| Description                            | Cat. No. |
|--|----------|
| Large Mouth Bag - 330 mm / 13 in. long | 35-410   |

Note: Tools are not included.



# LOCKOUT/TAGOUT



## Importance of Safe Isolation

Unintentional energisation of circuits, machinery and equipment is a leading cause of death and injury among electrical contractors in the UK.

To minimise this type of accident regulations such as the “Provision and Use of Work Equipment 1998, Section 19 Energy” and the “Electricity at Work Regulations 1989, Regulation 13” require companies to have effective isolation policies in place.

Most accidents can be avoided by installing simple lockout / tagout devices prior to any electrical work being carried out.

## Basic Practice for Safe Isolation

When working on electrical equipment / energized circuits, it is important that certain basic steps are followed:

- The correct point of isolation is identified
- An appropriate means of isolation is used
- Suitable caution notices should be placed where visible at the point of isolation
- All conductors must be proved to be dead at the point where work is intended to be carried out
- The electrical supply can not be reinstated while work is being carried out on any equipment / part of the circuit
- Isolation of equipment / circuits should be under the control of the person responsible for carrying out work on the isolated conductors
- Multi-lock hasps / devices should be used in the event of more than one person working on isolated equipment / circuits



IDEAL offers a range of lockout / tagout products to provide a cost-effective and safe solution in the management of electrical safety and circuit isolation in the workplace. IDEAL lockout/tagout devices help to achieve compliance with current regulations.

For more comprehensive information on electrical safety and safe isolation, refer to the best practice guide available from the Electrical Safety Council entitled ‘Guidance on the **management of electrical safety and safe isolation** procedures for **low voltage installations**’. The latest version is available on the Electrical Safety Council website ([www.esc.org.uk](http://www.esc.org.uk)).

## Kit Selection Chart

| Part number | Description:                           | 44-925 | 44-924 | 44-985UK | 44-995 |
|-------------|--|--------|--------|----------|--------|
| K-8334      | Safety Padlock                         | ✓      | ✓      | ✓        |        |
| K-40611     | Non-Conductive Safety Padlock          |        |        |          | ✓      |
| KB-0224     | Steel Lockout Hasp                     |        | ✓      | ✓        |        |
| 44-428EU    | Non-Conductive Lockout Hasp            |        |        |          | ✓      |
| KB-0375     | Circuit Breaker Lockout                |        |        | ✓        | ✓      |
| IA-2280     | “No-Hole” Lockout Device               |        |        | ✓        | ✓      |
| 441.001     | MCB Pins-Out Device (Std)              | ✓      | ✓      | ✓        | ✓      |
| 441.002     | MCB Pins-In Device                     |        |        |          | ✓      |
| 441.003     | MCB Pins-Out Device (Wide)             |        |        |          | ✓      |
| 441.004     | Tie-Bar Lockout Device                 |        |        |          | ✓      |
| KB-0234     | Universal MCB Lockout Device (Metal)   | ✓      | ✓      | ✓        | ✓      |
| 44-2393     | Universal MCB Lockout Device (Plastic) |        |        |          | ✓      |
| 44-2394     | Universal MCB Lockout Device (Plastic) |        |        |          | ✓      |
| 44-833EU*   | Lockout Tags                           | ✓ (1)  | ✓ (2)  | ✓ (5)    | ✓ (5)  |
| KB-7566     | Marking Pen                            |        | ✓      | ✓        | ✓      |
| IA-3240     | Lockout Pouch                          |        | ✓      | ✓        | ✓      |

\* Available to order in packs of 5 (44-5833EU)



## Contractor Lockout/Tagout Kit

- Aimed at contractors working on industrial, commercial and domestic installations
- Contains a range of devices allowing you to lock off most breakers on the market
- Supplied in a handy zipped pouch to help keep the kit close to hand and easily accessible



| Description                   | Cat. No. |
|-------------------------------|----------|
| Contractor Lockout/Tagout Kit | 44-985UK |

## Contractor PRO Lockout/Tagout Kit

- Aimed at contractors working on industrial, commercial and domestic installations
- Contains a broad range of devices allowing installers to provide safe isolation by locking off virtually all breakers on the market today
- Includes full range of MCB lockout devices including pins-in, pins-out, pins-out wide, tie-bar and various universal MCB lockout devices
- Supplied in a handy zipped pouch to help keep the kit close to hand and easily accessible



| Description                       | Cat. No. |
|-----------------------------------|----------|
| Contractor PRO Lockout/Tagout Kit | 44-995   |

## Domestic Installer Lockout/Tagout Kit

- Primarily aimed at the domestic installer
- Contains devices for use on typical breakers found in domestic installations
- Supplied in a handy zipped pouch



| Description                           | Cat. No. |
|---------------------------------------|----------|
| Domestic Installer Lockout/Tagout Kit | 44-924   |

## Personal Lockout/Tagout Kit

- A low-cost lockout kit containing two popular lockout devices plus a safety padlock and Do Not Operate tag
- Suitable for individuals or companies wishing to kit out their entire workforce with a low-cost versatile lockout kit



| Description                 | Cat. No. |
|-----------------------------|----------|
| Personal Lockout/Tagout Kit | 44-925   |



## Safety Padlocks

- Dedicated safety lockout device reduces confusion with other locks
- Durable non-conductive, Xenoy lightweight body
- 6 mm triple-coated hardened-steel shackle
- Key retention ensures keys do not get lost while padlock not in use
- Complies with OSHA's "1-key, 1-lock"
- Available in various colours for easy identification



| Description                                   | Cat. No.       |
|---|----------------|
| Safety Padlock 38 mm steel shackle - red      | <b>K-8334*</b> |
| Safety Padlock 38 mm steel shackle - blue     | <b>K-8330</b>  |
| Safety Padlock 38 mm steel shackle - yellow   | <b>K-8336</b>  |
| Safety Padlock 76 mm long steel shackle - red | <b>K-41021</b> |

\* Available as blister packaging for retail display - add "-D" to the end of the part number

## Non-Conductive Safety Padlocks

- Dedicated safety lockout device reduces confusion with other locks
- Non-conductive, Xenoy lightweight body
- 6 mm non-conductive nylon shackle
- Dielectric protection - anti-sparking
- Key retention ensures keys do not get lost while padlock not in use
- Complies with OSHA's "1-key, 1-lock"
- Available in red or yellow body
- Keyed-alike & Master-Keyed suites available by special order



| Description  | Cat. No.       |
|--|----------------|
| Non-Conductive Safety Padlock 38 mm nylon shackle - red    | <b>K-40611</b> |
| Non-Conductive Safety Padlock 38 mm nylon shackle - yellow | <b>K-40612</b> |

## Universal Hasp (Double Ended)

- Combines small and large hasp
- Allows up to six workers to lock out a single energy source
- Attach hasp to energy disconnect switch
- Control cannot be turned on until last worker's padlock is removed from hasp
- Hasp length 137 mm



| Description                   | Cat. No.       |
|-------------------------------|----------------|
| Universal Hasp (Double Ended) | <b>KB-0231</b> |

## Steel Lockout Hasps

- Steel jaw with vinyl coated handle
- Allows up to six workers to lock out a single energy source
- Attach hasp to energy disconnect switch
- Control cannot be turned on until last worker's padlock is removed from hasp
- 25 mm and 38 mm dia. shackles available

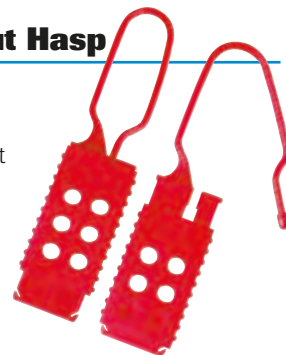


| Description                        | Cat. No.        |
|------------------------------------|-----------------|
| Steel Lockout Hasp - 38 mm shackle | <b>KB-0224*</b> |
| Steel Lockout Hasp - 25 mm shackle | <b>IA-5502</b>  |

\* Available as blister packaging for retail display - add "-D" to the end of the part number

## Non-Conductive Logout Hasp

- Non-conductive, dielectric protection, anti-sparking
- Allows up to six workers to lock out a single energy source
- Attach hasp to energy disconnect switch
- Control cannot be turned on until last worker's padlock is removed from hasp
- Inside jaw 25 x 63 mm



| Description                 | Cat. No.        |
|-----------------------------|-----------------|
| Non-Conductive Lockout Hasp | <b>44-428EU</b> |

## Mini-MCB Lockout Device

- Universal device that fits virtually all miniature circuit breakers in the market
- Cover easily pivots open and closed so the dial is inaccessible in the locked position to prevent removal
- Can be applied horizontally or vertically to lock out more than one breaker simultaneously
- Built from a durable, chemical resistant Zenx™ thermoplastic material



| Description             | Cat. No.       |
|-------------------------|----------------|
| Mini-MCB Lockout Device | <b>KB-1234</b> |

## Circuit Breaker Lockouts

- Attaches securely to breaker with simple thumb turn and clamping handle
- KB-0226 is designed for breakers with wide or tall toggles
- KB-0227 fits standard height and tie-bar toggles
- The narrow profile permits side-by-side breaker lockout
- Durable construction with powder coated steel and reinforced polymer allows operation in harsh environments



| Description  | Cat. No. |
|--|----------|
| Circuit Breaker Lockout Kit including one for wide & tall toggles and one for standard single & double toggles | KB-0375* |
| Circuit Breaker Lockout Kit for wide & tall toggles  | KB-0226  |
| Circuit Breaker Lockout Kit for standard single & double toggles   | KB-0227  |

\* Available as blister packaging for retail display - add "-D" to the end of the part number

## "No-Hole" Lockout Devices

- Lockout device that is ideal for breakers without built-in locking facilities often found in older domestic and commercial installations
- Extremely versatile - works on wide range of single pole and internal-trip multi-pole breakers
- Use thumbscrews to clamp lockout securely onto switch tongue, then pull cover over thumbscrew and lock in place to prevent clamp from being loosened



| Description                                  | Cat. No. |
|--|----------|
| "No-Hole" Lockout Device (max. switch 15 mm) | IA-2280  |
| "No-Hole" Lockout Device (max. switch 38 mm) | LA-2182  |

## MCB Lockout Devices

- A safe and effective method for locking out European Circuit Breakers
- The lockout easily installs with the aid of a Push Button
- Recommended to use in combination with a padlock with a shackle diameter up to 6 mm for added safety
- Requires no tools to install



| Description                        | Cat. No. |
|------------------------------------|----------|
| MCB Lockout Device - Pins Out      | 441.001* |
| MCB Lockout Device - Pins In       | 441.002  |
| MCB Lockout Device - Pins Out Wide | 441.003  |

\* Available as blister packaging for retail display - add "-D" to the end of the part number

+44 (0)1925 44 44 46 for Customer Service

## Adjustable Cable Lockout

- Adjustable safety hasp and cable
- Ideal for locking out multiple breakers or side-by-side gate valves
- Device can be locked using four padlocks
- Can be adjusted once the cable is locked
- Durable, flexible multi-stranded 1.8 m long vinyl coated steel cable
- Tough, lightweight, dielectric Xenoy thermoplastic body withstands chemicals and performs effectively in extreme conditions



| Description              | Cat. No. |
|--------------------------|----------|
| Adjustable Cable Lockout | 44-808   |

## Universal MCB Lockout Devices

- Universal MCB lockout devices useful for isolating MCB's without pin holes on the MCB switches
- Simple and easy to use

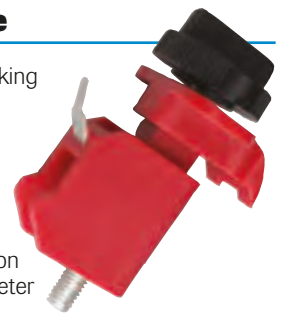


| Description  | Cat. No. |
|--|----------|
| Universal MCB Lockout Device - metal                   | KB-0234* |
| Universal MCB Lockout Device - plastic, yellow (small) | 44-2393* |
| Universal MCB Lockout Device - plastic, blue (large)   | 44-2394  |

\* Available as blister packaging for retail display - add "-D" to the end of the part number

## Tie-Bar Lockout Device

- A safe and effective method for locking out non-standard breakers where pins-in / pins-out devices can not be used
- Convenient thumb wheel for quick application
- Recommended to use in combination with a padlock with a shackle diameter up to 6 mm for added safety
- Requires no tools to install



| Description            | Cat. No. |
|------------------------|----------|
| Tie-Bar Lockout Device | 441.004  |

## Lock Stations

- Integrated, one-piece moulded construction
- Resilient polycarbonate material provides heat resistance and high impact strength
- Lockable cover prevents loss of contents
- Secure with a combination lock for simple access control



| Description                                | Cat. No.  |
|--|-----------|
| 5-10 Locks Lockout Station (Station Only)  | 44-778-S0 |
| 10-20 Locks Lockout Station (Station Only) | 44-806-S0 |



## Electrical Plug Lockouts

- Surrounds electrical plugs and prevents accidental reconnection
- Designed to enable installation in confined spaces
- Large plug lockout accepts various electrical plugs up to 500V and accommodates wide range of cable diameters
- Small plug lockout is perfect for safe isolation of appliances with a standard mains plug
- Locked out using safety padlock



44-0488



44-0487

| Description                               | Cat. No. |
|---|----------|
| Electrical Plug Cover (Small) 120V - 240V | 44-0487  |
| Electrical Plug Cover (Large) 220V - 500V | 44-0488  |

## DO NOT OPERATE Lockout Tags

- Heavy duty vinyl tag with metal grommet for extra strength
- Designed to withstand use in harsh environments
- High visibility lettering



| Description  | Cat. No.  |
|--|-----------|
| DO NOT OPERATE Lockout Tags - Pack of 5                                      | 44-5833EU |
| DO NOT OPERATE Lockout Tag - 1 piece in blister packaging for retail display | 44-833EU  |

## Marking Pen

- Fast-drying, permanent ink will not smear
- For use on lockout tags, write-on marker cards and write-on cable-tie marker plates



| Description             | Cat. No. |
|-------------------------|----------|
| Marking Pen w/black ink | K-7566   |

## IDEAL Pouch

- Durable zipped pouch
- Keeps your devices safe and helps preventing loss



| Description | Cat. No. |
|-------------|----------|
| IDEAL Pouch | IA-3240  |



# TEST & MEASUREMENT



TightSight® Clamp Meters 1000 & 660 Amp (770 & 760 Series)

- TightSight® bottom display
  - Tapered jaws with hook tip
  - Measures AC current
  - True RMS
  - AC/DC Voltage
  - Capacitance
  - Audible continuity
  - Frequency via clamp head or test leads
  - Resistance
  - High frequency rejection\*
  - Peak hold
  - Max/min hold
  - Data hold
  - Selectable audible and visual voltage alerts on AC/DC voltage functions
  - Selectable auto power off
  - Backlit display
  - Low battery indicator
  - 2-year warranty
- \*Reads accurately on noisy electrical circuits.



1000A Clamp  
(61-773)

| Description  | Cat. No. |
|--|----------|
| 1000AAC Clamp Meter w/<br>differentiating features | 61-773   |
| 1000A AC/DC Clamp Meter                            | 61-775   |
| 660AAC Clamp Meter                                 | 61-763   |
| 660A AC/DC Clamp Meter                             | 61-765   |

Includes: Carrying Case and Test Leads  
w/Crocodile Clips.



660A Clamp  
(61-763)

Clamp Meters

| Specifications | Range & Resolution |            |              |            | Accuracy       |
|----------------|--------------------|------------|--------------|------------|----------------|
|                | 61-773             | 61-775     | 61-763       | 61-765     |                |
| AC Current     | 0.0-999.9A         |            | 0.0-660.0A   |            | 2.0%           |
| DC Current     | —                  | 0.0-999.9A | —            | 0.0-660.0A | 2.0%           |
| AC Voltage     | 0.0-750.0V         |            |              |            | 1.0%           |
| DC Voltage     | 0.0-999.9V         |            |              |            | 1.0%           |
| Resistance     | 0.0-999.9Ω         |            |              |            | 1.5%           |
| Capacitance    | 0.0-999.9μF        |            |              |            | 5.0%           |
| Continuity     | 0.0-999.9Ω         |            |              |            | Audible @ <30Ω |
| Frequency      | 20.0-400.0Hz       |            |              |            | 0.5%           |
| Jaw Size       | 2" (51mm)          |            | 1.42" (36mm) |            | —              |

Test Leads



| Description                     | Cat. No. |
|---------------------------------|----------|
| Test Leads with crocodile clips | TL-770   |



## Clamp-Pro™ Clamp Meters 600 Amp (740 Series)

- Measures up to 600AAC
- Non-contact voltage indicator (70V-600VAC)
- Continuity
- Tapered jaws with hook tip
- Auto/manual ranging
- Data hold
- Auto power off
- Low battery indicator
- 2-year warranty

61-744



| Description              | Cat. No. |
|--------------------------|----------|
| 600A Clamp Meter w/ TRMS | 61-746   |
| 600A Clamp Meter         | 61-744   |

Includes: Carrying Case and Test Leads.

### Specifications Range & Resolution Accuracy

|            |  | 61-744 & 61-746 |
|------------|--|-----------------|
| AC Current | 40.00/400.0/600A                               | 1.7%            |
| AC Voltage | 400.0/600 V                                    | 1.2%            |
| DC Voltage | 400.0/600 V                                    | 0.5%            |
| Resistance | 400.0/4.000k/ 40.00k<br>400.0k/4.000M/40.00M Ω | 1.0%            |

Jaw opening is 1.25" (32mm).

## Test-Pro® Multimeters (340 Series)

- Capacitance
- Frequency
- Temperature
- Voltage
- Current
- Resistance
- Audible continuity
- Relative mode
- Backlight
- Min/max
- Data hold
- Low battery indicator
- Auto power off
- 2-year warranty

61-342



| Description                 | Cat. No. |
|-----------------------------|----------|
| Test-Pro® Multimeter w/TRMS | 61-342   |
| Test-Pro® Multimeter        | 61-340   |

Includes: Test Leads and Thermocouple.



## Replacement Test Leads



| Description                     | Cat. No. |
|---------------------------------|----------|
| Test Leads with crocodile clips | TL-770   |

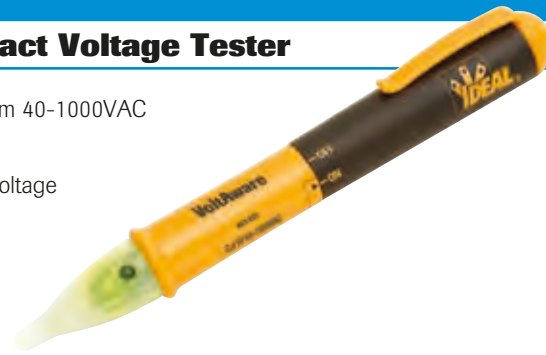
### Specifications Range & Resolution Accuracy

|             |   | 61-340 & 61-342 |
|-------------|---|-----------------|
| AC Voltage  | 4.000/40.00/400.0/600 V                             | 1.5%            |
| DC Voltage  | 400.0m/4.000/40.00/400.0/600 V                      | 0.5%            |
| Current     | 400.0μ/4000μ/40.00m/400.0m/4.000/10.00A AC/DC       | 1.5%            |
| Resistance  | 400.0/4.000k/40.00k/400.0k/4.000M/40.00M Ω          | 1.0%            |
| Capacitance | 40.00n/400.0n/4.000μ/ 40.00μ/400.0μ F               | 3.0%            |
| Frequency   | 10.000/100.00/1.000k/10.00k/100.0k/1.000M/4.000M Hz | 0.3%            |
| Temperature | -4° F to 1382° F (-20° C to 750° C)                 | 3.0%            |

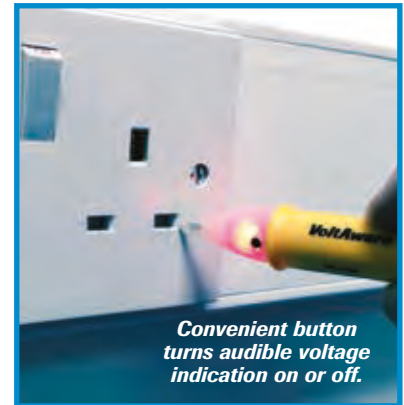


## VoltAware™ Non-Contact Voltage Tester

- Indicates presence of voltage from 40-1000VAC
- Visual indication of voltage
- Selectable audible indication of voltage
- Sleek, compact design
- Green LED indicates power on
- Low battery indicator
- Battery replacement (AAA size)
- 2-year warranty



| Description                           | Cat. No. |
|---------------------------------------|----------|
| VoltAware™ Non-Contact Voltage Tester | 61-025EU |



## Digital Light Meter

- Auto or manual ranging
- Measures in four ranges up to 20,000 FC or 200,000 Lux
- +/- 3% basic accuracy
- Data hold mode
- Max. reading mode
- Auto zero adjustment
- Low battery indication
- Auto power off
- Remote sensor with 59 in. (1.5m) cable



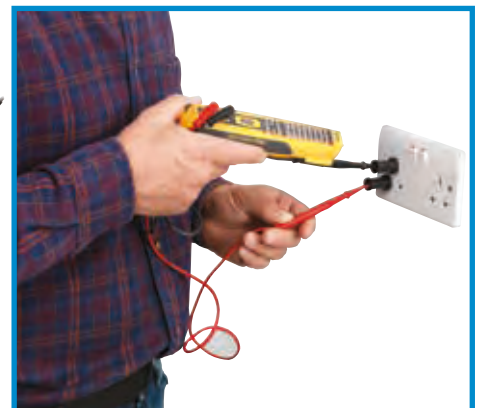
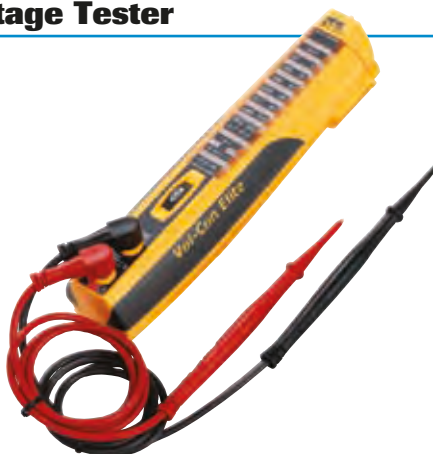
| Description         | Cat. No. |
|---------------------|----------|
| Digital Light Meter | 61-686   |

Includes: Carrying Case.



## Vol-Con® Elite Digital Voltage Tester

- Tests for AC Voltage from 24-600VAC
- Tests for DC Voltage from 6-220VDC
- Visual and audible warning
- Audible continuity
- Non-contact voltage indication (40-600VAC)
- Low impedance to eliminate ghost voltages
- Low battery indicator
- Replaceable GS38 compliant test leads
- Integral lead storage
- 2-year warranty



| Description                           | Cat. No. |
|---------------------------------------|----------|
| Vol-Con® Elite Digital Voltage Tester | 61-090EU |



### Accessories

| Includes                  |          |
|---------------------------|----------|
| GS38 Compliant Test Leads | TL-102EU |

## SureTrace™ Circuit Tracers

- Receiver display rotates automatically for easy viewing
- Identifies breakers and fuses with CertainCircuit™ detection
- Pinpoints opens and shorts
- Traces wires behind walls
- "0-99" display of signal strength
- Audible intensifies in tone/pitch
- Works on energised or de-energised circuits (0 - 600V AC/DC)
- Four modes of sensitivity – search high, search low, trace and breaker
- Peak detecting bar graph
- 2-year warranty



Scan for  
product video



61-955



After you identify and trip the correct breaker, the transmitter senses the loss of power and sends a different signal back to the receiver to give you confidence at the panel that the right circuit was de-energised.

The only  
circuit tracer with  
**SwivelDisplay™**



Energised



De-energised

Circuit Tracers

Transmitter will work on a de-energised circuit and won't affect RCD's and sensitive equipment on an energised circuit.



Transmitter and receiver take four standard AA batteries.



RC-959 Receiver

RC-955 Receiver

TR-955 Transmitter



Inductive Clamp & Battery Pack

1

2

3

4

5

6

| Description  | Cat. No. |
|--|----------|
| Kit Includes: Rotating Display, Inductive Clamp and Battery Pack | 61-959   |
| Kit Includes: Rotating Display                                   | 61-957   |
| Kit Includes: Standard Display                                   | 61-955   |

## Accessories

| Includes   |          |
|--|----------|
| Fuse – High-energy, Fast-acting, 1A/1000V              | F-956    |
| Magnetic Strap   | 61-565   |
| Replacement Lead Set UK (Includes 1-6 below)           | TL-958UK |
| Replacement Lead Set EU (Includes 1-6 below)           | TL-958EU |
| 1. Outlet Plug Adaptor for Transmitter (UK or EU)      |          |
| 2. Blade Prongs for Lead Adaptors (2/set)              |          |
| 3. Ground Prong for Lead Adaptor                       |          |
| 4. Crocodile Clips for Lead Adaptors (2/set)           |          |
| 5. 90 cm (3 ft.) Lead Adaptors for Transmitter (2/set) |          |
| 6. 7.5 m (25 ft.) Lead Adaptor for Transmitter         |          |
| Optional   |          |
| Cradle for Receiver*                                   | CR-959   |

\*Threaded for use on standard extension pole.

**NEW**  
Enhanced  
Performance



## Exclusive Rotating Display

Revolutionary technology in the receiver rotates the display in 90° increments so that you always receive an upright reading. Even when the receiver is pointing down, you can keep up.



CR-959



| Kit Contents         | 61-955 | 61-957 | 61-959 |
|----------------------|--------|--------|--------|
| Transmitter          | TR-955 | TR-955 | TR-955 |
| Receiver             | RC-955 | RC-959 | RC-959 |
| Tracer Test Lead Set | TL-956 | TL-956 | TL-956 |
| Inductive Clamp      |        |        | IC-958 |
| Battery Pack         |        |        | BP-958 |
| Hard Carrying Case   | C-955  | C-957  | C-959  |
| Batteries            | •      | •      | •      |
| Instruction Manual   | •      | •      | •      |



## Digital Circuit Breaker Finder & Socket Tester

- Locates breakers and fuses quickly and accurately
- Check polarity and easily identifies common wiring faults
- Verifies presence of power
- Visual and audible indicators
- Non-contact voltage sensor for 80 - 300 VAC
- Optional 61-184EU probe kit for testing at light fixtures
- Comes with soft carrying case
- 2-year warranty



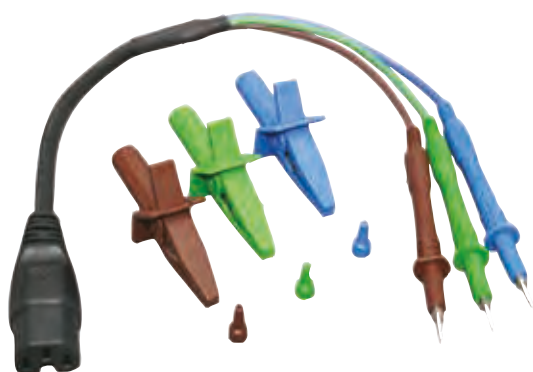
| Description   | Cat. No. |
|---|----------|
| Digital Circuit Breaker Finder & Socket Tester (includes carrying case) | 61-534EU |
| Crocodile Clip & Probe Set  | 61-184EU |

### Specifications

|                     | 61-534EU      |
|---------------------|---------------|
| Operating Voltage   | 200 - 250 VAC |
| Operating Frequency | 47 - 63 Hz    |



61-534EU



61-184EU



# DATAKOM/NETWORKS



## LanTEK® III Series Cable Certifier

Superior performance, revolutionary fibre options and outstanding value makes LanTEK® III the ultimate cable certification platform.

The LanTEK III is an easy to use cable certifier that meets existing TIA and ISO/IEC performance requirements for testing up to Cat. 7A/1000MHz.

Using the free IDEAL AnyWARE app, field technicians can share test data with colleagues or customers without leaving the jobsite, resulting in greater collaboration, more on-time job completions and reduced costs

- New troubleshooting features that save time and money – Locate hidden connections, splices and cable faults using Time Domain Return Loss (TDRL) and Time Domain Crosstalk (TDX).
- New permanent link adapter saves money – Reduce down time and lower maintenance costs with field replaceable RJ45 contacts.
- New FiberTEK III modules – Tier 1 certification of fibre cabling eliminates the need for additional fibre testers. Available on 500MHz and 1000MHz models (optional).
- Industry leading battery life – 18 hours of continuous testing without interruption.
- New test data software – Create powerful client reports quickly and easily from multiple testers using one PC application.
- Replaceable Cat 6A permanent link adapter tips – Reduces cost of ownership. Centred connectors provide minimal tolerance and are compatible with all RJ45 twisted pair cabling connectors (optional)

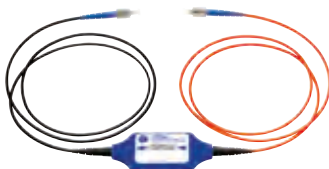


Scan for  
more information



## FIBERTEK® III

- FiberTEK III adapters are used with LanTEK III for fast and simple certification of high bandwidth single-mode and multimode fibre optic cabling including support for encircled flux testing (optional)
- Certification: Tier 1 certification of single-mode and multimode fibre optic cabling
- Troubleshooting: Red laser light source to visually pinpoint faults and locate fibre ports
- Encircled Flux compliance: Enables compliance to the new fibre standards IEC 14763-3 and ANSI/TIA 526-14-C (optional)
- Field calibration: Allows 1 and 3 jumper field calibration methods to ensure accuracy and compliance to IEC and ANSI/TIA standards
- Simplified bi-directional measurements: Eliminates process of manually merging directional tests into one record



| Description  | Cat. No.         | Description  | Cat. No.         |
|--|------------------|--|------------------|
| LanTEK III-500MHz – (test adapters to be ordered separately)   | <b>R161001*</b>  | FiberTEK III-MM LED Kit – Includes two multimode FiberTEK III modules                            | <b>R164005**</b> |
| LanTEK III-1000MHz – (test adapters to be ordered separately)  | <b>R161002*</b>  | FiberTEK III-SM Laser Kit – Includes two single-mode FiberTEK III modules                        | <b>R164006**</b> |
| LanTEK III-500MHz – (including PL adapters)  | <b>R161003**</b> | FiberTEK III-MM LED & SM Laser Kit – Includes two multimode and single-mode FiberTEK III modules | <b>R164007**</b> |
| LanTEK III-1000MHz – (including PL adapters)   | <b>R161004**</b> |  |                  |
| *Contents: LanTEK® III display and remote handset, Li-ion battery (2), universal power adapter (2), USB cable, headset (2), hanging strap (2), quick reference guide, carry case, USB Wi-Fi adapter (1). ** As under * but includes permanent link adapter - R161051 (2).  |                  |  |                  |
| **Contents: Lockable semi-rigid carrying case, SC, FC, ST adapters for modules (2 ea.), quick reference guide. (MM kit: SC-SC patch cords 6x 50µm MMF; SM kit: SC-SC patch cords 6x 9µm SMF, MM & SM Kit: SC-SC patch cords 6x 50µm MMF and SC-SC patch cords 6x 9µm SMF) compliant to ISO/IEC 14763-3 standard, quick reference guide, and electronic operation manual. |                  |  |                  |



## SignalTEK™ CT Data Cable Transmission Tester

If you install or maintain data cabling, SignalTEK CT allows you to generate PDF test reports that prove installed links run at Gigabit Ethernet transmission rates.

For installers, this means having a cost-effective way to demonstrate that the copper cabling was installed correctly and is capable of supporting Ethernet applications. By proving real world performance, SignalTEK CT confirms a professional job - reducing the risk of call backs.

SignalTEK CT also gives network owners the assurance that installed cabling will support bandwidth hungry services like VoIP, IP CCTV and video streaming following moves, adds and changes



## Testing as simple as 1-2-3



### Step 1 Test

- 8 user defined fields available
- Up to 50 individual jobs
- Job information automatically included in the test report documentation
- Enter job site information
- Perform autotest on copper cabling

### Step 2 Connect

- Activate SignalTEK CT wireless hotspot
- Connect your mobile phone or tablet with the IDEAL AnyWARE App
- Transfer test reports to your mobile device
- View test reports

### Step 3 Send

- Select reports (pdf or csv) to send
- Select preferred transfer method – email, ftp, cloud storage etc.
- Send file
- Alternatively save test reports to USB key

## Test Reporting

SignalTEK CT automatically generates test reports in PDF format.

The summary page of each report can be customised to include logo, company and operator details. The summary provides an overview for each link tested including date and time of test, the overall result of the wiremap and data tests, the Ethernet rates that the cable can support, and the individual and total cable lengths.


Detailed information relating to each tested link is reported on subsequent pages. This includes a graphical image of the wiremap, pass/fail information, length per pair, frame errors and data rate.

Scan for  
more information




| Description  | Cat. No. |
|--|----------|
| SignalTEK CT – Data Cable Transmission Tester.<br>Includes 1 x display, 1 x remote, 2 x NiMH batteries, 2 x patch cables - 30cm, Cat 5e STP, 2 x power supply with EU/UK/US adapters, 1 x user manual 1 x carry case | R156004  |





IDEAL NETWORKS



Test Engineer

John Smith

Ideal Networks

Main Street

Old Town

United Kingdom

Job

New School

High Street

New Town

United Kingdom

CAT5e UTP cable

Tested using IDEAL INDUSTRIES NETWORKS SignalTEK CT

Test Summary

The cables indicated below have been tested for wiring integrity and data performance according to the IEE 802.3ab Ethernet Standard

| Test Name | Date (mm/dd/yy) | Time (hh:mm) | Pairs Setup | Wiremap Test | Data Test | 10Mb/s | 100Mb/s | 1Gb/s | Length (m) |
|-----------|-----------------|--------------|-------------|--------------|-----------|--------|---------|-------|------------|
| 0001      | 03/01/10        | 00:40        | 4           | ✓            | ✓         | ✓      | ✓       | ✓     | 17         |
| 0002      | 03/01/10        | 00:50        | 4           | X            | ✓         | ✓      | ✓       | ✓     | 49         |

0001

Wiremap Test: ✓


Pair

1-2

3-6

4-5

7-8



Length (m)

18

18

18

17


Data Test: ✓

Error Limit (Frames)

Duration (hh:mm:ss)

Rate (Mb/s)

Error (Frames)



0

00:00:10

1000

0

0002

Wiremap Test: X


Pair

1-2

3-6

4-5

7-8



Length (m)

50

49

49

49


Data Test: ✓

Error Limit (Frames)

Duration (hh:mm:ss)

Rate (Mb/s)

Error (Frames)



0

00:00:10

1000

0

## SignalTEK™ NT Network Transmission Tester

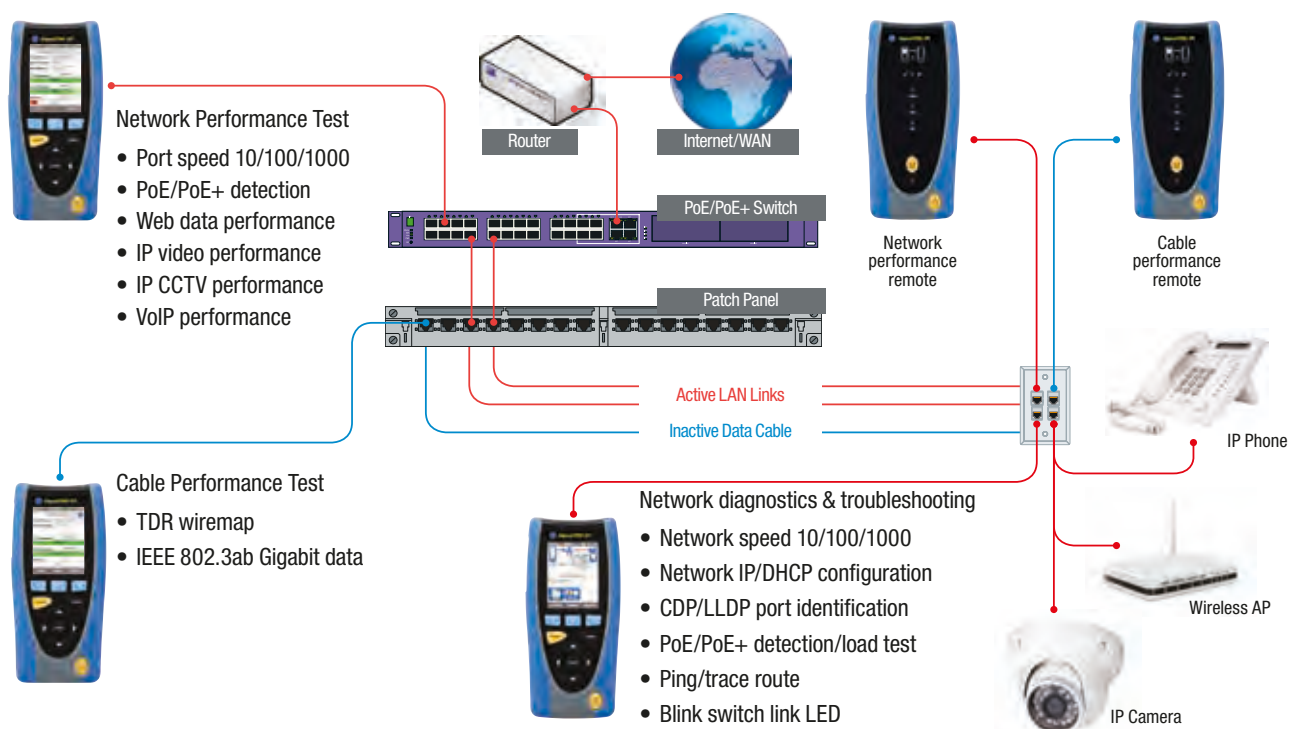
If you install, maintain or troubleshoot data cabling and Ethernet networks, SignalTEK NT allows you to prove the performance up to Gigabit Ethernet transmission rates. By simulating actual network traffic users are able to test and document network and data cable performance to Gigabit Ethernet standards.

Where system warranties are not required the SignalTEK NT is a cost effective way of proving your copper and fibre networks provide error-free performance. SignalTEK NT automatically generates test reports in PDF or CSV format.

Use the free IDEAL AnyWARE™ app from IDEAL Networks to view / send data cable and network test reports to colleagues and clients anywhere.



- Full Gigabit bi-directional load testing through hubs and switches
- Simulate network traffic generated by new IP devices to confirm network capacity before adding new devices like VOIP or CCTV
- Identify Ethernet, Power over Ethernet (PoE) and PoE+ issues, in addition to verifying Ethernet connectivity (including IPv4 and IPv6)
- Locate wiremap faults more quickly and accurately by testing every pin and pair, detecting split pairs and identifying the distance to fault
- Testing complies to the Gigabit Ethernet standard IEEE 802.3ab
- Identify network connection problems as hardware, network or configuration faults
- Ping local network devices and Internet URL's
- Port blink to visually trace cable from work area outlet to network switch
- Field replaceable RJ-45 contacts eliminate downtime from worn or damaged connectors



| Description   | Cat. No. |
|---|----------|
| SignalTEK NT - Network Transmission Tester.<br>Includes 1 x display, 1 x remote, 2 x NiMH batteries, 2 x patch cables - 30cm, Cat 5e STP,<br>2 x power supply with EU/UK/US adapters, 1 x USB Wi-Fi adapter, 1 x user manual,<br>1 x carry case | R156003  |



## NaviTEK NT Network Troubleshooter

The NaviTEK NT is a network tester for troubleshooting and maintenance of active and passive copper and fibre networks. Incorporating an improved graphical interface NaviTEK NT allows network technicians to pinpoint and solve network connectivity issues faster than ever before. Subsequently, tests can be saved as pdf reports and shared with colleagues and clients using the free IDEAL AnyWare™ app.

NaviTEK NT offers a comprehensive suite of test and troubleshooting functionality only found on dedicated hand-held testers:-

- Copper and fibre test interfaces
- Fast detection of link and IP information
- Detects services such as ISDN, POTS and PoE
- Accurate wire mapping including length measurement and distance to fault
- Rugged, compact design permits use in confined spaces
- Not susceptible to virus and malware attack

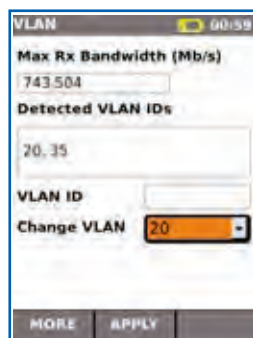


### Port & network summary info



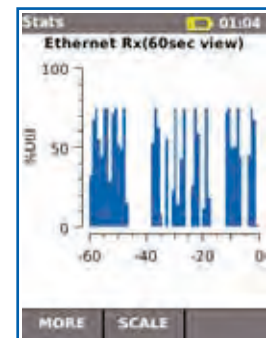
Press the Autotest button to display summary information

### VLAN detection & operation



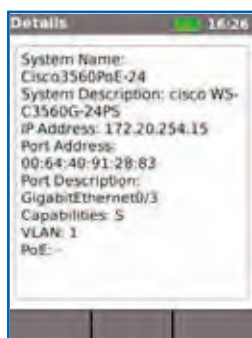
Automatic detection of VLAN ID's

### Ethernet utilisation



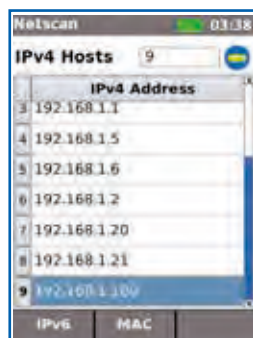
Real time display of broadcast network traffic

### CDP/LLDP/EDP port information



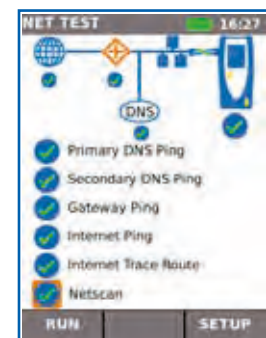
Show port information using Discovery Protocols.

### Netscan



Display list of IP and MAC addresses of every device connected to the network.

### Network Probe



View network illustration to verify test results of each network component.

| Description  | Cat. No.       |
|--|----------------|
| NaviTEK NT - 1 x NaviTEK NT test unit, 1 x Remote unit No. 1, 4 x AA dry cell batteries (non-rechargeable), 2 x Patch cables - 30cm, Cat. 5e STP, 1 x Quick reference guide, 1 x Carry case  | <b>R153001</b> |
| NaviTEK NT PLUS - 1 x NaviTEK NT Plus test unit, 1 x Remote unit No. 1, 1 x Rechargeable Power Module, 1 x PSU EU/UK/US adapters, 2 x Patch cables - 30cm, Cat. 5e STP, 1 x USB Wi-Fi adapter, 1 x Quick reference guide, 1 x Carry case | <b>R151003</b> |
| NaviTEK NT PRO - 1 x NaviTEK NT Pro test unit, 1 x Remote unit No. 1, 1 x Rechargeable Power Module, 1 x PSU EU/UK/US adapters, 2 x Patch cables - 30cm, Cat. 5e STP, 1 x USB Wi-Fi adapter, 1 x Quick reference guide, 1 x Carry case   | <b>R151004</b> |



Scan for  
more information





## VDV II - Voice, Data and Video Verifier

The new VDV II Series are easy to use cable testers that check the integrity of copper cables commonly found in domestic, commercial or industrial voice, data or video installations, including telephone wiring, data network and video/security cabling.

Employing state-of-the-art technology, VDV II offers functionality not previously available in a wiremapper. The advanced wiremap engine accurately displays complex wiring faults instantaneously whilst TDR (Time Domain Reflectometry) aids troubleshooting and improves on-site productivity.

### More than just a wiremapper



#### VDV II

Performs standard tests for copper cabling, including:

- Coax, 6Pin (RJ11/12), 8Pin (RJ45) Connectors for Copper Cable Testing
- Wiremap for Miswires, Split Pairs, Shorts and Opens
- Analog Tone Generator
- Voltage Protection
- Shielded Cable Testing
- Single Screen Results



#### VDV II Plus

Additional features to the VDV II:

- Larger 2.9" Display
- Backlight
- Hub Blink
- Cable Length
- Distance to Open
- Carry Case & Cables



#### VDV II Pro

Additional features to the VDV II Plus:

- Distance to Open / Short (TDR)
- PoE Detection with Voltage Information
- Media Service Detection
- Ethernet Detection with Network Rate and Duplex Information

### Applications



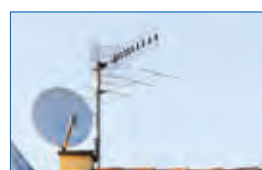
#### VOICE

Support for 1, 2 or 3-pair RJ11/12 telephone cable testing



#### DATA

Testing of shielded and unshielded Cat 5/5e/6/6A/7 LAN cable



#### VIDEO

Tests coax cable through F-connector interface



| Description   | Cat. No.       |
|---|----------------|
| <b>VDV II – Voice, Data and Video Cable Verifier.</b><br>Includes 1 x tester, 1 x dual port remote unit, 1 x coax remote unit, 1 x alkaline battery, 1 x multi-language user guide.   | <b>R158000</b> |
| <b>VDV II Plus – Voice, Data and Video Cable Verifier.</b><br>Includes 1 x tester, 1 x dual port remote unit, 1 x coax remote unit, 1 x alkaline battery, 1 x multi-language user guide, 2 x RJ45 to alligator clip cable 390mm, 2 x screened RJ45 to RJ45 cable 150mm, 2 x RJ11/12 to RJ11/12 cable 100mm, 1 x F-type plug to F-type plug cable 230mm, 1 x F-81 barrel splice, 1 x BNC female to F-type male adapter, 1 x BNC female to F-type female adapter, 1 x RCA female to F-type male adapter, 1 x RCA female to F-type female adapter, 1 x wallet wiring card, 1 x carry case. | <b>R158002</b> |
| <b>VDV II Pro – Voice, Data and Video Cable Verifier.</b><br>Includes 1 x tester, 1 x dual port remote unit, 1 x coax remote unit, 1 x alkaline battery, 1 x multi-language user guide, 2 x RJ45 to alligator clip cable 90mm, 2 x screened RJ45 to RJ45 cable 150mm, 2 x RJ12 to RJ12 cable 100mm, 1 x F-type plug to F-type plug cable 230mm, 1 x F-81 barrel splice, 1 x BNC female to F-type male adapter, 1 x BNC female to F-type female adapter, 1 x RCA female to F-type male adapter, 1 x RCA female to F-type female adapter, 1 x wallet wiring card, 1 x carry case.         | <b>R158003</b> |

For accessories like RJ45 remote units, RJ45 identifiers and Coax remote units, please check out page E-7.

Scan for  
more information



## FiberMASTER™ Fibre Optic Testers

The IDEAL FiberMASTER™ allows the user to measure absolute power and calculate the insertion loss of fibre optic links at several wavelengths. Measure fibre optic power in microwatts ( $\mu$ W), milliwatts (mW) and decibel-milliwatts (dBm) to test and troubleshoot active Local Area Networks. Plus the 1490nm wavelength measurement mode is perfect for troubleshooting emerging Fibre to the Home cabling systems.

- Tier 1 certification of multi-mode and single mode fibre optic cabling
- **Fibre Optic Power Meter & Light Source** — Four wavelength power meter for multimode and single mode testing, and 850nm multimode LED light source.
- **Calibration Function** — Stores reference power level for quick dB loss measurements eliminating the need to manually calculate loss.
- **Save Time and Money** — Power meter features 2.5mm universal and FC adapters, light source includes ST®, SC and FC adapters to test the most common interfaces.
- **Ready for FTTx** — 1490nm measurement wavelength for use with nearly all single mode Fibre-To-The-Home applications.
- **Designed for the Field** — Unique “docking” light source and easy three-button operation make this the perfect fibre tester for use in the field.

### FiberMASTER™ 33-928 Kit Includes:

- 33-926 Light source, 850nm LED with ST®, SC and FC adapters
- 33-927 Power meter, 4 wavelength with universal 2.5mm and fixed FC adapter
- 2x SC-SC 50 $\mu$ m multimode cables
- 1 SC calibration coupler
- Carrying case
- User manual in English, Spanish, German, French, Portuguese, Italian and Chinese
- 33-931 kit is supplied with quad light source



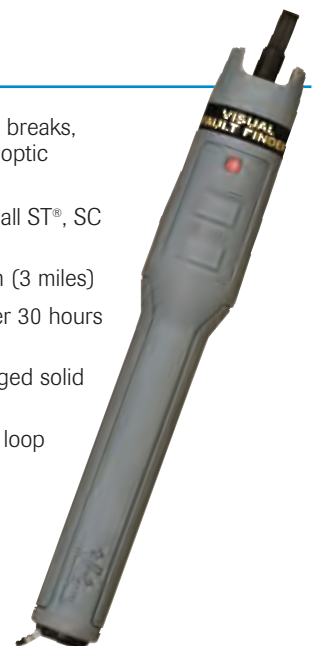
| Description   | Cat. No. |
|---|----------|
| Power meter with 850NM fibre light source (33-926 & 33-927)           | 33-928   |
| Power meter with four wavelength MM/SM light source (33-927 & 33-929) | 33-931   |



## Visual Fault Finder

Laser light source used to locate breaks, faulty splices and crimps in fibre optic cabling

- 2.5mm Universal Adapter for all ST®, SC and FC connectors
- Useful over a distance of 5km (3 miles)
- Two AA batteries provide over 30 hours of continuous use
- Slim, pocket-sized tool in rugged solid aluminum body
- Nylon carrying case with belt loop included



| Description         | Cat. No. |
|---------------------|----------|
| Visual Fault Finder | VFF5     |

Note: ST® is a registered trademark of AT&T.

## SecuriTEST™ PRO

CCTV installers often need to carry a variety of testing tools to complete their work.

**SecuriTEST™ PRO** combines the most-needed tools in one easy-to-carry package. Since all connections (video/communications/DMM) attach to a single unit, **SecuriTEST™ PRO** eliminates the need to juggle several devices while on a ladder or lift, making working conditions safer and increasing productivity.

**SecuriTEST™ PRO** includes IRE testing (video and sync levels), audio level testing, a high-capacity lithiumion battery in a package that's small and light.

The **SecuriTEST™ PRO** has all the features and functionality that CCTV technicians need to install, test and maintain analogue security camera systems. **SecuriTEST™ PRO** also includes a custom carrying case.



| Description                               | Cat. No. |
|---|----------|
| SecuriTEST™ PRO CCTV/Security Tester only | 33-892   |





## Tone & Probe Kit



### Amplifier Probe

- Identifies and traces wire or cables within a group
- Battery low indicator

### Tone Generator

- Emits three different types of tones
- Auto-off after three hours of non-use
- F-Connector port for toning & tracing coaxial CATV cabling systems
- Tone can be added in any status



| Description      | Cat. No. |
|------------------|----------|
| Tone Generator   | 62-160   |
| Amplifier Probe  | 62-164   |
| Tone & Probe Kit | 33-864   |

## Ratchet Telemaster™ RJ-11/RJ-45 Crimp Tool



- Pro quality ratcheting Telemaster™ Tool for RJ-45 and RJ-11 crimping modular plugs
- Gives repeatable crimp action for consistent, high quality connections
- For paired conductors
- Heavy-duty steel frame

| Description                                  | Cat. No. |
|--|----------|
| Ratchet Telemaster™ RJ-11/RJ-45 Crimp Tool   | 30-696   |
| Replacement Cut & Strip Blade Set for 30-696 | LA-4102  |

## LinkMaster™ Tester



Tests wiring configurations on UTP/STP cables. Checks for shorts, miswires, reversals and split pairs. Debug feature, automatic shut-off and low battery LED indication.

- Designed to test installed twisted pair wiring
- Tests unshielded and shielded modular plugs
- Main unit and remote allow one person testing

| Description                   | Cat. No. |
|-------------------------------|----------|
| LinkMaster™ Tester and Remote | 62-200   |



## Telemaster™ RJ-11/RJ-45 Crimp Tool



- Multi-function tool cuts, strips and crimps for easy one-tool application
- For paired conductors
- Steel frame for long-term durability. (Crimps primary modular plug strain relief only)

| Description  | Cat. No.   |
|--|------------|
| Tool for RJ-11 (1, 2, 3 pair) and RJ-45 (4 pair) Plugs | 30-496-001 |
| Replacement Cut and Strip Blade Set for Telemaster™    | LB-1747    |

\*Kit includes 10 each, RJ-45 8P8C, RJ-11 6P6C and RJ-11 6P4C modular plugs.

## Crimpmaster™ Crimp Tools & Die Sets

High quality ratchet-type crimp tool for electricians, contractors and installers who require guaranteed repeatability of good mechanical and electrical connections.

Dies change quickly and easily with a screwdriver. Interchangeable dies provide versatility in a single tool

**30-506**



Crimp release provides operator safety

Pressure adjustment for actuation force

Ratchet crimp action provides repeatable and reliable terminations

**30-559**

RJ-45 Eight-position crimp die set for keyed or non-keyed modular plugs



**30-579**

Die set for insulated terminals/colour coded nests 22-10 AWG (.3mm<sup>2</sup> - 5.3mm<sup>2</sup>)



**30-580**

Die set for non-insulated terminals 22-8 AWG (0.3mm<sup>2</sup>-8.0mm<sup>2</sup>)



**30-581**

Die set for RG-58, RG-59/62, BNC/TNC Coax Connectors (Hex, 0.255 (6.5mm), 0.213 (5.4mm), 0.068 (1.7mm))



**30-582**

Die set for F-type CATV RG-59, RG-6 Connectors (Hex, 0.350 (8.9mm), 0.320 (8.1mm), 0.255 6.5mm)



| Description   | Cat. No.      |
|---|---------------|
| Crimpmaster™ Crimp Frame Tool                                     | <b>30-506</b> |
| Die set for RJ-45 eight-position keyed or non-keyed modular plugs | <b>30-559</b> |
| Die set for insulated terminals/colour coded nests                | <b>30-579</b> |
| Die set for non-insulated terminals                               | <b>30-580</b> |
| Die set for RG-58, RG-59/62, BNC/TNC Coax Connectors              | <b>30-581</b> |
| Die set for F-type CATV RG-59, RG-6 Connectors                    | <b>30-582</b> |

## PunchMaster™ Punch Down Tool

- Inserts and cuts cable terminations effortlessly
- Professional quality tool
- For seating telecom and data cables into terminals effortlessly
- Adjustable high/low actuation setting accommodates termination requirements
- Turn-Lock™ Style blade holding design
- Impact-absorbing cushioned grip reduces operator stress for high volume installers

**35-485**



## Punch Down Tool

- Insertion tool for Krone blocks
- For seating telecom and data cables into terminals



| Description                                       | Cat. No.      |
|---|---------------|
| Punch Down Tool (Insertion tool for Krone blocks) | <b>35-482</b> |



**35-478**

| Description                                       | Cat. No.      |
|---|---------------|
| Punchmaster™ II Punch Down Tool w/110 & 66 blades | <b>35-485</b> |
| Removable Krone® Blade for 35-485                 | <b>35-478</b> |

Krone® is a registered trademark of Krone, Inc.

## OmniSeal™ PRO Compression Tool

The IDEAL OmniSeal™ PRO Compression Tool offers additional features and increased connector compatibility in a smaller, more compact tool designed to meet the demands of the professional installer.



Most other manufacturers compression connectors can be terminated with an easy plunger depth adjustment. The simple intuitive design combined with its size and universal connector acceptance makes this the only compression tool needed by professional installers.

- Factory preset to work with IDEAL compression connectors
- Compresses F-type, RCA, BNC and Mini connectors
- Adjustable to fit other manufacturer's connectors – no accessory adapters required

| Description                       | Cat. No. |
|-----------------------------------|----------|
| OmniSeal™ PRO XL Compression Tool | 30-793   |



## LinearX® Compression Tool Features

- Available in fixed and adjustable versions
- Compresses F/BNC/RCA connectors

A hinged hasp keeps the tool in a compact closed position when not in use

Handle has double dipped textured cushion grip for comfort and all-day use

One handed operation is possible with all compatible connectors.



LinearX3 adjustable post

Durable and rugged zinc die-cast body with a protective powder coated paint finish



## Compression Tools

- Available in fixed and adjustable versions
- Compresses F/BNC/RCA connectors
- Durable & rugged zinc die-cast body with protective powder coated paint finish
- Linear stroke for consistent compression results & easy operation
- Includes four RTQ™ RG-6 WeatherProof F-Compression Connectors

LinearX™3 adjustable post



INCLUDES 4 RTQ™ F-Connectors



| Description   | Cat. No. |
|---|----------|
| LinearX®3 F/BNC/RCA Compression Tool (Adjustable) with four RTQ™ F-Connectors | 33-632   |

## Connector & Tool Compatibility Chart

| Type | IDEAL Connector | OmniSeal™ Pro XL 30-793 | LinearX®3 33-632 |
|------|-----------------|-------------------------|------------------|
| F    | F 6 RTQ™        | ✓                       | ✓                |
|      | F 6Q RTQ™       | ✓                       | ✓                |
|      | F 6 RTQ™ 90°    | ✓                       | ✓                |
|      | F 59 RTQ™       | ✓                       | ✓                |
|      | F 6 NJX™        | ✓                       | ✓                |
|      | F 6Q NJX™       | ✓                       | ✓                |
| BNC  | BNC 59          | ✓                       | ✓                |
|      | BNC 59 90°      | ✓                       | ✓                |
|      | BNC 6 RTQ™      | ✓                       | ✓                |
| RCA  | RCA 6           | ✓                       | ✓                |

✓ No tool adjustment needed. ✓ Tool adjustment needed. — Not compatible.



## Hip Kit - 33-622

- Cut, strip and terminate F connectors in one handy starter tool kit
- Kit Includes:

LinearX®1 F-Compression Tool (Fixed)

45-074 Data T®-Cutter

45-605 PrePRO® Cable Stripper

Pouch with clip





## Compression Connectors



### **RTQ™ Reg/Tri/Quad F-Connectors**

- Fits 60% regular, tri-shield and quad shield cables
- Nickel-plated, brass-construction for superior corrosion resistance
- Designed for use in satellite and cable TV installations
- WeatherProof™ for indoor and outdoor use
- Use 30-793 or LinearX Compression Tools
- New INSITE™ 90° RG-6 F-Connector version available



### **INSITE™ BNC Connectors**

- Clear 360° window for confident cable insertions
- Nickel-plated, brass-construction for superior corrosion resistance
- Moisture-inhibiting design
- Use 30-793, 30-603 or 33-632 Compression Tool
- 75 Ohm nominal impedance
- Gold-plated pin contact area
- Available in plenum versions



### **NJX™ F-Connectors**

- 75 ohm nominal impedance
- Bandwidth up to 3 GHz
- Compatible with all IDEAL Compression Tools
- Compact body size
- RG-6 and RG-6 Quad versions



### **TLC™ F-Connectors**

- No compression tool required
- 75 ohm nominal impedance
- Bandwidth up to 3 GHz
- Compact body size
- RG-6 version

## NJX™ F-Compression Connectors

The new NJX™ (pronounced “injects”) compression connector offers a high performing, reliable and economical solution designed for applications that do not require weatherproof connectivity. NJX™ is also great for installers looking to upgrade from traditional hex crimp or twist-on coax F termination methods.

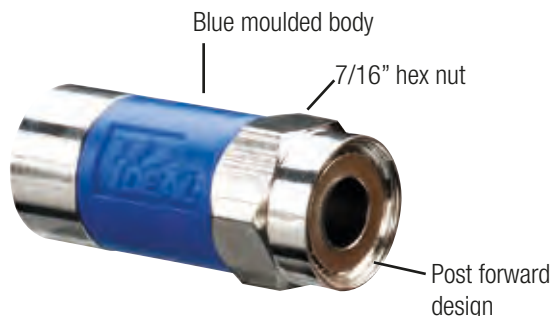
Available in F-Type interfaces for RG-6 and RG-6 Quad cables, the NJX™ connectors are an indoor cable specific alternate to the OmniConn™ series of products. NJX™ connectors require the same 6.5 mm x 6.5 mm (1/4" x 1/4") cable preparation and compression termination as all other IDEAL compression connectors.

Colour coded, injection moulded bodies make these connectors lighter, more compact, and more cost effective for installers. Unlike traditional compression connectors that get shorter when compressed, the NJX™ series connectors have a post-forward design, which during compression, is “injected” into the body of the connector. Although these connectors are shorter, they still utilise the same compression settings and stroke length as all IDEAL F-compression connectors. Once compressed, the cable is secured creating a permanent 360° compression ring on the cable. NJX™ connectors are designed for applications from 5MHz to 3GHz including CATV and satellite.

For outdoor/weatherproof or universal cable compression products, the RTQ™ series of compression products are recommended.



NJX™ RG-6



NJX™ RG-6 Quad



## TLC™ Tool-Less Compression Connectors



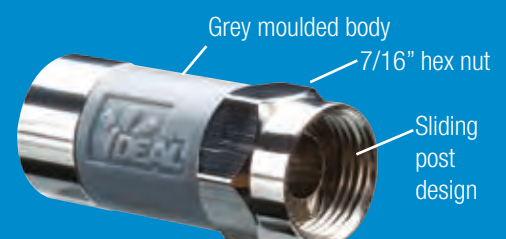
TLC™ RG-6

The new TLC™ (Tool-Less Compression) RG-6 F compression connector is our simplest, fastest and lowest total cost solution for installing compression connectors. Designed to save the installer **Time, Labour and Cost** when installing indoor RG-6 F-Type connections **no compression tool is required** to terminate these connectors.










The TLC™ connector is an indoor, cable specific alternate to the NJX™ series of products.

The TLC™ connector uses the standard 6.5 mm x 6.5 mm (1/4" x 1/4") cable preparation, that does not require a compression tool to complete the termination process. TLC™ series connectors feature a sliding post design to capture and secure the cable inside of the connector. After the cable is inserted, tightening the connector to the device completes assembly process, creating a 360° compression point and a permanent connection.

IDEAL F/BNC insertion tools (35-046, 35-042, 35-043) can be used (but are not required) when installing the TLC™ cable assembly to ensure connectors are properly torqued and fully seated to the female barrel. These connectors are designed for applications from 5MHz to 3GHz including CATV and satellite.



## Compression Connectors

| Model  | Type | Model            | Cable Type                        | Qty.       | Cat. No.      |
|--|------|------------------|-----------------------------------|------------|---------------|
|   | F    | RTQ™             | RG-59 /<br>Reg/Tri/Quad           | Card of 10 | <b>92-611</b> |
|  |      |                  |                                   | Jar of 50  | <b>92-610</b> |
|   | F    | RTQ™             | PF100/CT100/RG-6/<br>Reg/Tri/Quad | Card of 10 | <b>92-651</b> |
|  |      |                  |                                   | Jar of 50  | <b>92-650</b> |
|   | F    | TLC™             | RG-6                              | Card of 10 | <b>85-068</b> |
|  |      |                  |                                   | Card of 50 | <b>85-168</b> |
|   | F    | NJX™             | RG-6                              | Card of 10 | <b>89-040</b> |
|   | F    | NJX™             | RG-6 Quad                         | Card of 10 | <b>89-041</b> |
|   | F    | InSITE™ RTQ™ 90° | RG-6                              | Card of 5  | <b>92-691</b> |
|   | BNC  | InSITE™ 90°      | RG-59                             | Card of 5  | <b>92-693</b> |
|   | BNC  | InSITE™ RTQ™     | RG-6                              | Card of 15 | <b>89-048</b> |
|  | BNC  | InSITE™          | RG-59                             | Card of 15 | <b>89-047</b> |

### 1GHz Cable Splitters

- Nickel-plated housing, soldered back
- High-performance impedance - balanced Printed Circuit Board design
- Bandwidth: 5MHz - 1 GHz Impedance: 75 Ω; Splits signals up to 8 outlets



| Description                                       | Cat. No.      |
|---|---------------|
| High Performance Cable Splitter, 5MHz-1GHz, 2-Way | <b>85-132</b> |
| High Performance Cable Splitter, 5MHz-1GHz, 4-Way | <b>85-134</b> |

All IDEAL compression connectors require a standard 6.5 mm x 6.5 mm (1/4" X 1/4") cable preparation. This preparation leaves 6.5 mm (1/4") of the centre conductor exposed and an additional 6.5 mm (1/4") of the shielding exposed.

Prep tools are available in single, two or three blade models. Two blade models are the most commonly used type of stripping tool for coax compression as they remove both 6.5 mm (1/4") sections at one time during the prep. Single blade models require two separate stripping actions for compression preparation.

IDEAL has several models of cable preparation tools that are compatible with compression connectors, each having various feature choices such as user adjustable blade depths, replaceable blades, number of active blades, product size and hand motion required to prep the cable.

### Compression Cable Prep Instructions



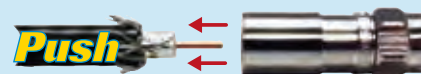
Start with a clean piece/fresh cut of coax.



Prep/strip cable to size.



Fold back braiding. Leave inner foil intact.



Check for flush dielectric and no visible wrapped braiding strands.



Fully compress the connector with appropriate tool.



Connect to device. Use the F/BNC insertion tool if needed to reach proper tightening torque.



## FT-45™ Modular Plug Crimp Tool



The FT-45™ is a simple, compact and highly effective crimp tool for installers and technicians that terminate RJ45 connectors regularly.

- Quality - Cleanly shears the excess conductors and leaves a smooth, flat finish
- Versatile - Suitable with Feed-Thru, standard, or shielded connectors (CAT5e or CAT6)
- Heavy duty - Cutting blade that will last for over 2,000 cuts
- Ergonomic - Reduced hand force compared to traditional crimp tools
- Compact - Easily fits in your pocket and lightens the tool bag load
- Easy to use - 568A & 568B wiring scheme marked on the tool
- Easily maintained - Replaceable cutting blades available
- Patented design - Patent pending design requires less than ½ of the mechanical force to crimp connectors. No ratchet needed.
- A patent pending design enables conductors to be cut flush with the end face of the connector when used with the FT-45™ tool

| Description                              | Cat. No.       |
|--|----------------|
| FT-45™ Feed-Thru Modular Plug Crimp Tool | <b>30-495</b>  |
| FT-45™ Replacement Blade                 | <b>30-4951</b> |

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



**Cat 5e**



**Cat 6**

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

| Description                         | Qty. | Cat. No.      |
|-------------------------------------|------|---------------|
| CAT5e Feed-Thru RJ-45 Modular Plugs | 25   | <b>85-370</b> |
| CAT5e Feed-Thru RJ-45 Modular Plugs | 50   | <b>85-371</b> |
| CAT5e Feed-Thru RJ-45 Modular Plugs | 100  | <b>85-372</b> |
| CAT6 Feed-Thru RJ-45 Modular Plugs  | 25   | <b>85-375</b> |
| CAT6 Feed-Thru RJ-45 Modular Plugs  | 50   | <b>85-376</b> |
| CAT6 Feed-Thru RJ-45 Modular Plugs  | 100  | <b>85-377</b> |

## Modular Plugs



**85-346  
RJ-45**



**85-344  
RJ-11**

- 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.

| Description                 | Qty. | Cat. No.      |
|-----------------------------|------|---------------|
| 8-Position 8-Contact, RJ-45 | 25   | <b>85-346</b> |
| 6-Position 6-Contact, RJ-11 | 25   | <b>85-345</b> |
| 6-Position 4-Contact, RJ-11 | 25   | <b>85-344</b> |

## CAT 6 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.      |
|---------------------------|------|---------------|
| CAT 6 RJ-45 Modular Plugs | 25   | <b>85-366</b> |

## 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



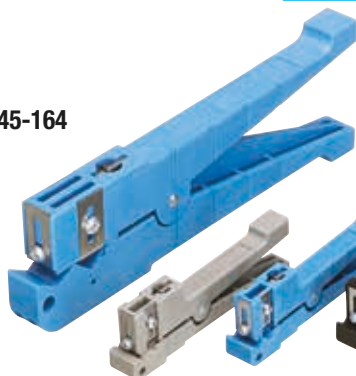
| Description                           | Qty. | Cat. No.      |
|---------------------------------------|------|---------------|
| Strain Relief Boots for Modular Plugs | 25   | <b>85-380</b> |

## UTP/STP/Coaxial Cable Strippers

- Adjustable blades can be set for any depth to help ensure nick-free stripping and slitting of cables



45-164



45-162

45-163

45-165

| Description   | Typical RG Cables  | Cat. No.              |
|---|--------------------|-----------------------|
| Coaxial Cable Stripper, up to 1/8 in. (3.2mm) O.D.                | RG-174, RG-187     | <b>45-162</b> (Grey)  |
| Coaxial Cable Stripper, 1/8 in. (3.2mm) to 7/32 in. (5.56mm) O.D. | Mini Coax RG-58,CB | <b>45-163</b> (Blue)  |
| Coaxial Cable Stripper, 1/4 in. (6.4mm) to 9/16 in. (14.3mm) O.D. | RG-11, RG-8        | <b>45-164</b> (Blue)  |
| Cable Stripper, 3/16 in. (4.8mm) to 5/16 in. (8mm) O.D.           | RG-59/6, UTP Cable | <b>45-165</b> (Black) |
| Replacement Blade Set* for 45-162, 45-163, 45-165                 | —                  | <b>L-9225</b>         |
| Replacement Blade Set* for 45-164                                 | —                  | <b>L-9226</b>         |

\*A set of blades consists of three straight blades and one round blade.

## Coax Stripper

- Specific adjustments needed for each cable size
- For crimp BNC and TNC connectors
- Strips braid 0.240 in. or 6mm and dielectric 0.240 in. or 6mm



| Description  | Cat. No.      |
|--|---------------|
| Coax Stripper - 3 Step <ul style="list-style-type: none"> <li>For crimp BNC and TNC connectors</li> <li>Strips braid 0.240 in. or 6mm and dielectric 0.240 in. or 6mm</li> </ul> | <b>45-520</b> |

## Kinetic Super™ Wire Stripper/Crimper

- Cuts and strips 22 to 24 AWG
- Crimps IDC Connectors



| Description   | Cat. No.      |
|---|---------------|
| Kinetic Super™ Wire Stripper/Crimper Kit – includes 25 IDC's (UR-I, 3-Wire Butt Splice) | <b>33-719</b> |

## Insulation Displacement Connectors (IDC)



85-900

85-925

85-950

IDC connectors create fast splice and tap connections on solid copper wires. Designed for low voltage telecommunication cables.

- Moisture-resistant sealant protects wires from corrosion
- Use with solid copper single-conductor wire
- Kinetic Super™ Wire Stripper/Crimper easily cuts and strips 22 to 24 AWG solid wire

| Description                  | Qty. | Cat. No.      |
|------------------------------|------|---------------|
| UR-I, 3-Wire Butt Splice IDC | 25   | <b>85-925</b> |
| UR-I, 3-Wire Butt Splice IDC | 100  | <b>86-925</b> |
| IDC Combo Pack               | 25   | <b>85-960</b> |
| UY-I, 2-Wire Butt Splice IDC | 25   | <b>85-950</b> |
| UB-I, 2-Wire Tap Splice IDC  | 25   | <b>85-900</b> |

## PrepPRO™ Coax/UTP Cable Stripper

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



| Description                      | Cat. No.      |
|----------------------------------|---------------|
| PrepPRO™ Coax/UTP Cable Stripper | <b>45-605</b> |

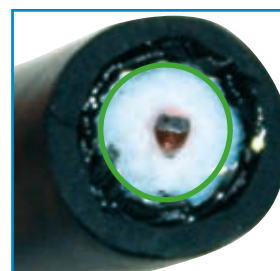
## Data T®-Cutter



- Cuts round communication cable and maintains cable geometry for better cable performance
- Cuts multi-pair cable up to .500 in. (12.7mm) and coaxial cable up to RG-9/U
- Suitable for soft cables (not steel reinforced)
- Steel reinforced centre conductors can be trimmed with bolt cutting holes
- Locking latch keeps tool closed in pouch

| Description    | Cat. No. |
|----------------|----------|
| Data T®-Cutter | 45-074   |

**Good Round dielectric**



**Bad Oval dielectric**



## Network Tester Accessories

| Description   | Cat. No. |
|---|----------|
| SignalTEK NT / NaviTEK NT remote kit #2-#12                                 | 150050   |
| SignalTEK NT / NaviTEK NT remote #1   | 150054   |
| SignalTEK NT / NaviTEK NT Cat 5e STP patch cables (2)                       | 150055   |
| SignalTEK NT / NaviTEK NT duplex multi-mode patch cable                     | 150056   |
| SignalTEK NT / NaviTEK NT duplex single mode patch cable                    | 150057   |
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| SignalTEK NT / NaviTEK NT active remote kit #2 - #6                         | 150059   |
| SignalTEK NT / NaviTEK NT power supply with EU/UK/US adapters               | 151051   |
| SignalTEK NT / NaviTEK NT alkaline battery module                           | 151052   |
| SignalTEK NT NIMH power module  | 151053   |
| NaviTEK NT carrying case  | 151054   |
| SignalTEK NT carrying case  | 156050   |
| VDV II RJ-45 remote kit #1 - #12  | 158050   |
| VDV II RJ-45 identifier kit #1 - #24  | 158051   |
| VDV II coax remote kit #1 - #12   | 158053   |
| SignalTEK NT / NaviTEK NT 1310nm single mode SFP module                     | MGK LX2  |
| SignalTEK NT / NaviTEK NT 850nm multi-mode SFP module                       | MGK SX1  |
| SignalTEK NT / NaviTEK NT 1550nm single mode SFP module                     | MGK ZX3  |

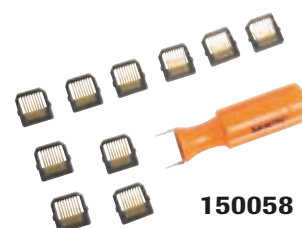


158050

158051



150050



150058



158053



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This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# Merchandising

**Point-of-purchase communication** is an important aspect of IDEAL sales strategy. We are committed to helping our distributors move our products off their shelves. To do that, we've developed a variety of exciting, useful ways to increase a store's association with IDEAL and to build repeat customers.



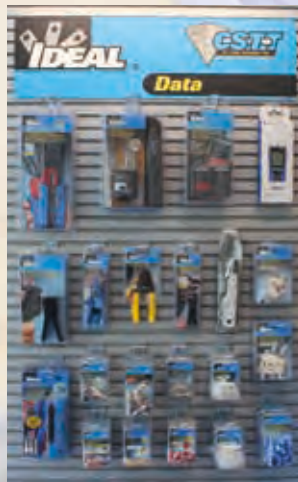
Counter Top Displays



## WIRE CONNECTOR DISPLAYS

IDEAL offers a range of merchandising solutions to display pre-defined or custom profiles of push-in, lever wire, SpliceLine and twist-on wire connectors.

Options include floor standing and more compact counter/shelf display units, each designed to create high impact and drive impulse sales.



## DATACOM PROFILE

IDEAL offers a complete solution for the network / data installer.

Our range includes tools, connectors and network testers - cut, strip, terminate and test coaxial and twisted pair cables.

Each profile is supported by POS materials including header boards and posters to create displays within displays.



## LOCKOUT KITS

Lockout kits are merchandised using this high impact backing board.

Designed to display the most popular lockout kits, this backing board fits on any configuration of slat wall. It also drives additional sales of lockout/tagout products such as safety padlocks and spare MCB lockout devices.



## POSTERS

Using posters is an effective way to create more interesting and eye catching displays.

IDEAL offers a range of posters designed to support products on display and generate product awareness and incremental sales on non-stocked products.



## 1M DISPLAY STAND

A 1m metal slat wall display stand is available to support the merchandising and sales of IDEAL products.

These illuminated stands are perfect for displaying a range of core IDEAL profiles such as lockout kits, DataCom, wire connectors and cable installation products.

**IDEAL INDUSTRIES Ltd.**

Unit 3, Europa Court, Europa Boulevard, Westbrook, Warrington, WA5 7TN, U.K.

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Visit our website  
[www.idealindustries.co.uk](http://www.idealindustries.co.uk)



Wire Termination



Cable Installation



Lockout/Tagout



Test & Measurement



Datacom/  
Network Testers



# IDEAL

Electrical Catalogue

**IDEAL INDUSTRIES LIMITED**

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Tel.: +44 (0)1925 44 44 46 • Fax: +44 (0)1925 44 55 01 • Email: [electrical.enquiries@idealnwd.com](mailto:electrical.enquiries@idealnwd.com)

For complete sales office contact information, visit us at:

[www.idealindustries.co.uk](http://www.idealindustries.co.uk)



# IDEAL, an American Original

We listen, and we deliver products with a purpose.

J. Walter Becker founded IDEAL in 1916 and made a promise that is still an important part of the way IDEAL operates today: "An IDEAL product will provide a value greater than the price paid for it. Service is a part of the product." Becker's founding principle represents our everyday commitment to you. It's the driving force behind our partnerships with the world's leading distributors, a state of the art delivery system, outstanding customer and technical support and variety of operational benefits designed to save time and money.

It means we're proud of the way we do business.

With headquarters located in Sycamore, Illinois, IDEAL also has European operations in the UK, Germany and France.

Today's global economy demands we look at doing business more creatively, more competitively and more efficiently. IDEAL is on the leading edge of product development and design, integrating those ideas through strategic investment, implementation of lean manufacturing and just-in-time inventory. Field-tested and customer influenced design means we are creating some of the most forward thinking product designs in the industry.



## IDEAL is with you every step of the way

In-Sure™ & Twister® wire connectors, Yellow 77® wire pulling lubricant, T®-Stripper wire strippers, SignalTEK network testers and SureTrace® & TightSight® electrical testers are products which have found their way into the tool bags of electrical and networking professionals and solidified the IDEAL reputation as a manufacturer of innovative and trustworthy products.

Through ingenuity, proven performance and innovative engineering, IDEAL continues to lead the electrical industry with products that deliver value greater than the price paid for them.



### TERMINATION TECHNOLOGY

Designed to exacting European safety standards, IDEAL manufactures a connector that's right for every job – fast, safe, reliable connections every time.



### WIRE PULLING LUBRICANT

The No.1 brand of wire pulling lubricant. Environmentally safe, IDEAL lubes provide exceptional lubricity for super-fast cable pulls through conduit and ducting.



### LOCKOUT/TAGOUT

IDEAL offers a comprehensive range of electrical lockout/tagout products that provide cost-effective solutions for managing electrical safety and circuit isolation.



### TEST & MEASUREMENT

From our innovative SureTrace™ Circuit Tracers to the award winning TightSight® Clamp Meters, IDEAL develops test instruments that do the job faster, safer and easier.



### DATACOM/ NETWORK TESTERS

From copper to fibre, twisted pair to coax, IDEAL offers everything you need for the installation, termination, testing and troubleshooting of modern LAN, CCTV and audio/video installations.

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## NEW PRODUCTS FROM IDEAL

**NEW**

For almost 100 years IDEAL has served the electrical market and continues to take pride in innovation that delivers unrivalled value, quality and exceptional performance. Engineered specifically for the professional electrician, IDEAL is committed to providing new products that deliver durability, on the job efficiency and safety.

Every IDEAL product is covered by a comprehensive warranty.



**NEW**  
Enhanced  
Performance

### SURETRACE™ CIRCUIT TRACERS



#### CertainCircuit™

After you identify and trip the correct breaker, the transmitter senses the loss of power and sends a different signal back to the receiver to give you confidence at the panel that the right circuit was de-energised.



Energised



De-energised



See Page D-6



### INSITE® COMPRESSION CONNECTORS

Featuring a 360° clear site window that simplifies the connector to cable installation.



### NJX™ COMPRESSION CONNECTORS

offer a high performing, reliable and economical solution designed for applications that do not require weatherproof connectivity.



### TLC™ COMPRESSION CONNECTORS,

our simplest, fastest and lowest total cost solution for installing compression connectors. Designed to save Time, Labour and Cost!

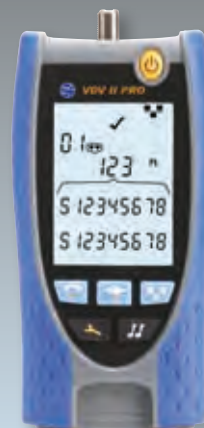


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### VDV II TESTERS

- Three new Voice-Data-Video verification testers
- New test features including TDR length measurement, Ethernet service detection, PoE solicit and detect with voltage measurement, and more
- New multi remote and identifier accessory packs
- Visit [www.vdvii.com](http://www.vdvii.com) for more details



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# THERE'S A BETTER WAY TO CUT



Designed to cut 380 mm<sup>2</sup> (750 KCMIL MCM) and smaller hard-drawn copper and aluminium cables. The hardened steel blades ensure consistent cuts and long-term durability. The rounded blade design minimises cable distortion during cutting and the quick release mechanism simplifies blade back-out. The locking mechanism keeps handles closed for easy storage and the moulded-in foot provides stability and leverage when making multiple cuts.



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## PowerBlade™ 750 CABLE CUTTER

With adjustable torque arms, heavy duty gears and state of the art hardened steel blades, IDEAL PowerBlade™ Cable Cutters offer ease of use and unsurpassed performance. The PowerBlade™ 750 is extremely versatile and designed for multiple applications. With a jaw opening of 38 mm (1.5") and specially hardened, rounded blades cable distortion is minimised for professional quality every time. This PowerBlade™ has the ability to cut up to 380 mm<sup>2</sup> (750 MCM) copper cable and 506 mm<sup>2</sup> (1000 MCM) aluminium cable.



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**POWERBLADE™ CUTS  
COPPER CABLE UP TO  
380 MM<sup>2</sup> (750 MCM)  
AND ALUMINIUM UP TO  
506 MM<sup>2</sup> (1000 MCM)**

**38 MM MAX JAW  
1.5" OPENING**



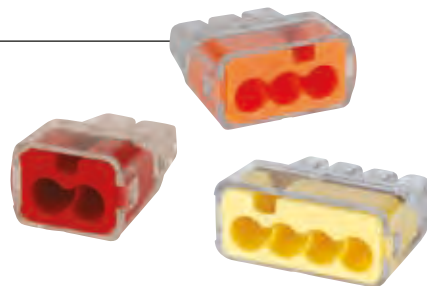
# Connectors designed for every application

## ***In-Sure™ Push-In Wire Connectors***

The fastest, easiest, push-in connector on the market, the In-Sure™ push-in wire connector can reduce installation time by up to 50% compared to more traditional connection methods.

Our 2, 3 & 4 port connectors are uniquely rated to 32 Amps making them suitable for a broad range of wiring applications.

In-Sure™ connectors are the perfect replacement for crimped splices.



## ***In-Sure™ Lever Wire Connectors***

The new In-Sure™ lever wire connectors are the perfect solution for joining solid, stranded or flexible conductors. When used with rigid wires there is no need to touch the blue levers because they operate just like standard push-in connectors. Lifting the levers permits fast insertion of flexible wires and the removal of both flexible and rigid wires.

Suitable for use in a wide variety of installation and lighting applications these connectors are available in 2, 3 and 5-port variants that accommodate wires sizes up to 2.5 mm<sup>2</sup>. Featuring a transparent housing that allows visual inspection of the wires and a compact design that takes up less room in junction boxes and enclosures, In-Sure™ lever wire connectors are the versatile all-rounders.



## ***SpliceLine™ Wire Connector***

SpliceLine™, a revolutionary in-line wire connector. Utilising patented push-in technology, the unique design provides a crimp-free, solderless butt splice making application easier and faster. The 2-port model supports a wide range of either stranded or solid wires, allowing one connector to cover the same wire range as multiple butt splices.

The end-to-end connection of SpliceLine™ is a great solution for today's pre-fab operations and also makes it perfect for lengthening short wires in tight spaces. It easily passes through standard knock-outs and the transparent polycarbonate allows for visual inspection, assuring a secure connection every time.



## ***Twister® Wire Connectors***

Accommodating the majority of common wiring configurations from 0.5mm<sup>2</sup> - 10.0 mm<sup>2</sup>, the ribbed cap provides a secure grip and swept wings offer extra leverage. A patented square-wire spring provides safe, secure connections. Conforming to BS EN 60998 Twister® wire connectors fully comply with BS 7671:2008 (17<sup>th</sup> Edition Wiring Regulations).

A cost-effective and flexible solution, Twister® connectors are rated up to 57 Amps, will accept solid and stranded wire and have the added advantage of being re-usable, making them the obvious alternative to terminal blocks.



## ***WeatherProof® Wire Connectors***

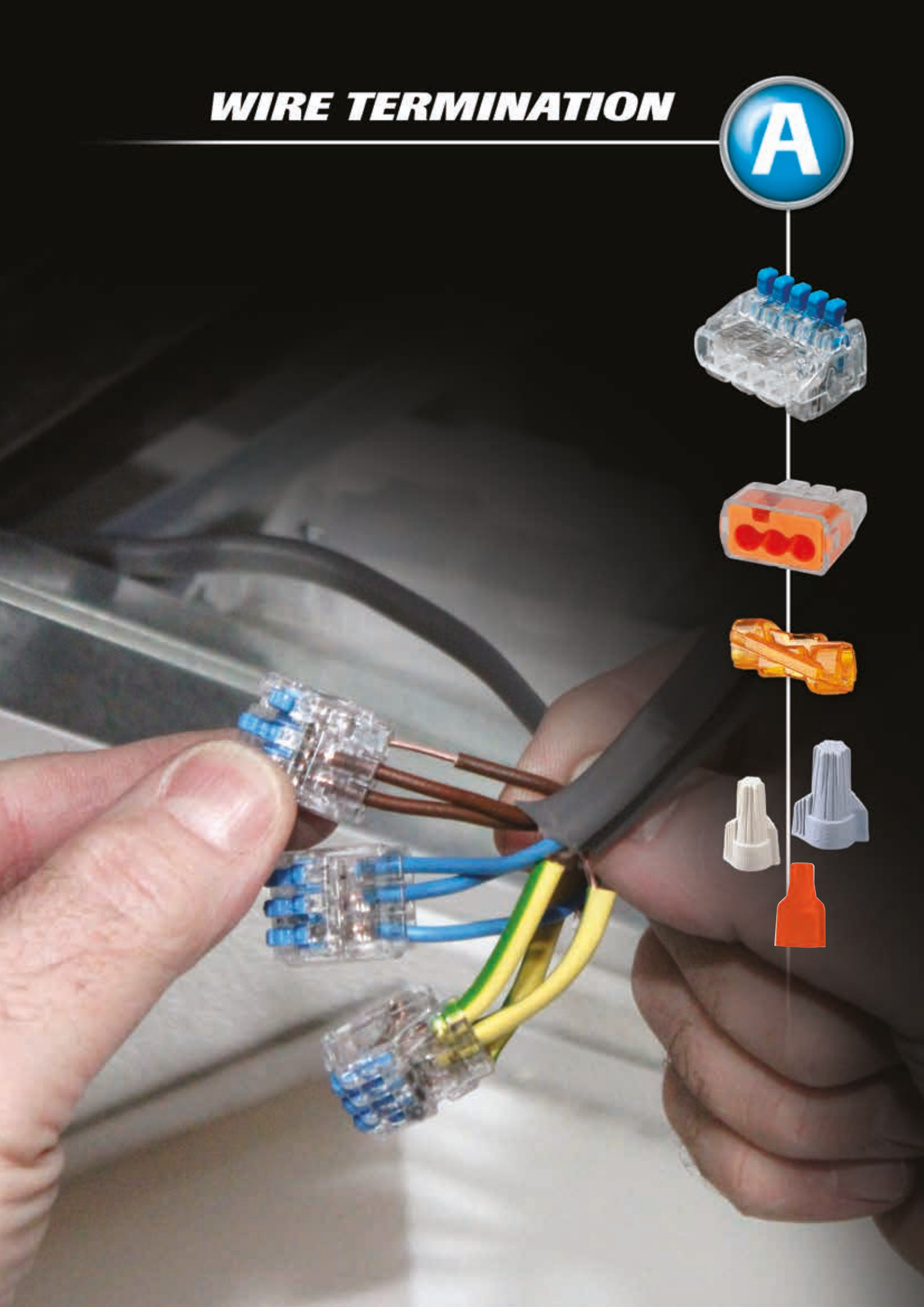
Connected and Protected in one easy step. Designed specifically for above ground, interior/exterior connections exposed to damp/wet and corrosive environments.

Each connector is pre-filled with 100% silicone-based sealant which gives them their IP55 rating. Several models handle a variety of wire sizes from 1.5mm<sup>2</sup> - 4.0mm<sup>2</sup>, making them ideal for use in gardens, garages and patio areas, as well as in commercial and industrial environments.





# ***WIRE TERMINATION***



## In-Sure® Push-In Wire Connectors

The In-Sure® push-in wire connector can reduce installation time by up to 50% compared to more traditional connection methods such as terminal blocks. In-Sure® 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 0.75mm<sup>2</sup> - 4.0mm<sup>2</sup> solid or 1.5mm<sup>2</sup> - 2.5mm<sup>2</sup> stranded ( $\leq 7$  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
- Ergonomic design for easy grip and comfort
- Low insertion force for fast connections
- Continuity test port
- Colour coded for easy identification
- BS 7671:2008 (17<sup>th</sup> Edition) compliant
- Conform to EN 60998-1 and EN 60998-2-2 connecting device standards

## Push-In

### FAST FACT:

The In-Sure® Push-In has a low insertion force for fast, easy connections. Great for junction boxes.



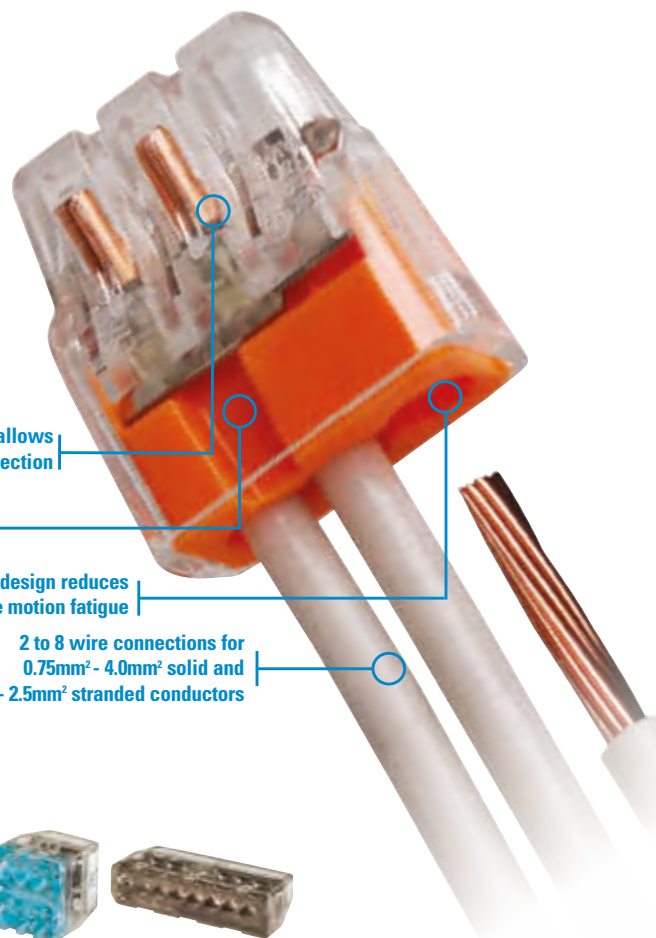
**Strip, Push, Connect**  
**The Fastest Way To Make A Connection**

Clear shell allows verification of connection

Check port for continuity testing

Push-in design reduces repetitive motion fatigue

2 to 8 wire connections for 0.75mm<sup>2</sup> - 4.0mm<sup>2</sup> solid and 1.5mm<sup>2</sup> - 2.5mm<sup>2</sup> stranded conductors



**32A**



### Specifications

|                        |                | Model 32<br>Red<br>2-Port                 | Model 33<br>Orange<br>3-Port | Model 34<br>Yellow<br>4-Port | Model 87<br>Grey<br>5-Port                | Model 88<br>Blue<br>6-Port | Model 90<br>Black<br>8-Port |
|------------------------|----------------|---|------------------------------|------------------------------|---|----------------------------|-----------------------------|
| Rating                 |                | 32 Amp / 450V / 105°C maximum             |                              |                              | 24 Amp / 450V / 105°C maximum             |                            |                             |
| Depth                  |                | 19.81 mm                                  |                              |                              | 18.52 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 Combination Range | Solid wire     | 0.75mm <sup>2</sup> to 4.0mm <sup>2</sup> |                              |                              | 0.75mm <sup>2</sup> to 4.0mm <sup>2</sup> |                            |                             |
|                        | Stranded wire* | 1.5mm <sup>2</sup> to 2.5mm <sup>2</sup>  |                              |                              | 1.5mm <sup>2</sup> to 2.5mm <sup>2</sup>  |                            |                             |

\* Stranded wire is limited to  $\leq 7$  strand

### Ordering Information

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

COPPER TO COPPER ONLY. Do not use on aluminium.



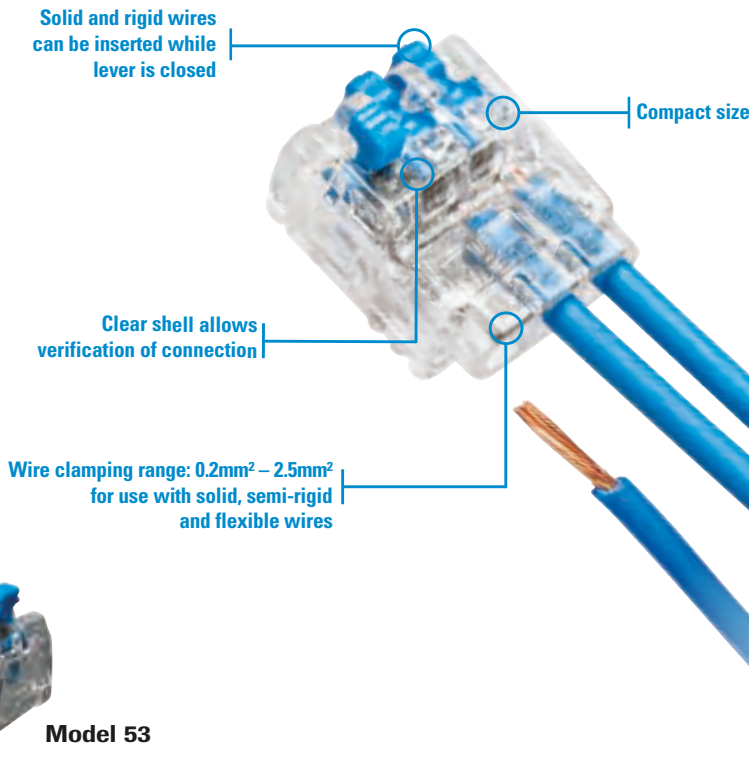
In-Sure® Lever Wire Connectors

The In-Sure® 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: 0.2mm<sup>2</sup> – 2.5mm<sup>2</sup>
- 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
- Strip length guide
- Compact design suits tight spaces
- No screwdriver required
- BS 7671:2008 (17<sup>th</sup> Edition) compliant
- Conform to EN 60998-1 and EN 60998-2-2 connecting device standards

Solid, Stranded or Flex  
The Versatile All-Rounder



Specifications

|                           |   | Model 52<br>2-Port    | Model 53<br>3-Port | Model 55<br>5-Port |
|---------------------------|---|-----------------------|--------------------|--------------------|
| Rating                    |   | 24 Amp / 450V / 120°C |                    |                    |
| Depth                     |   | 21 mm                 |                    |                    |
| Width                     |   | 11.9 mm               | 16.1 mm            | 24.5 mm            |
| Height                    |   | 11.7 mm               |                    |                    |
| Wire Combination<br>Range | Solid, Rigid Stranded and<br>Flexible Wires | 0.2mm-2.5mm2          |                    |                    |

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:<br>10 x 2-port<br>10 x 3-port<br>10 x 5-port | 30-1059  |



Lever

FAST FACT:

The In-Sure® Lever Connectors are ideal in lighting applications where you may have to join solid and flexible wires together.





## SpliceLine® In-Line Wire Connectors

The SpliceLine® in-line wire connector provides a crimp-free, solderless butt splice. Conforming to BS 7671:2008, the two-port model accepts up to 4.0mm<sup>2</sup> 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.

- 32A rating
- 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
- Wide wire range of: 0.5mm<sup>2</sup> to 4.0mm<sup>2</sup> solid
- BS 7671:2008 (17<sup>th</sup> Edition) compliant
- Conform to EN 60998-1 and EN 60998-2-2 connecting device standards

**A Faster Butt Splice**  
**A Better Butt Splice**

Transparent polycarbonate shell allows for visual inspection of connection

Check port for continuity testing

Accepts solid or stranded \* wire

Slim design fits through standard knockouts



Scan for product video

**SpliceLine®**  
IN-LINE WIRE CONNECTORS

### FAST FACT:

Perfect for lengthening short wires, the SpliceLine® is 3X faster than traditional butt-splices.



**3X  
FASTER  
THAN BUTT SPLICES  
NO MORE CRIMPING!**

| Model | Colour | Rating               | Wire Range   | Quantity   | Cat. No.        |
|-------|--------|----------------------|--|------------|-----------------|
| 42    | Orange | 32A<br>450V<br>105°C | Solid: 0.5mm <sup>2</sup> - 4.0mm <sup>2</sup><br>Stranded*: 1.0mm <sup>2</sup> - 2.5mm <sup>2</sup> | Bag of 10  | <b>30-1342S</b> |
|       |        |                      |  | Box of 100 | <b>30-1042</b>  |

\* Stranded wire is limited to ≤ 7 strands



Wire Connector  
774A

Cu/Cu  
Only



## Twister® Wire Connectors

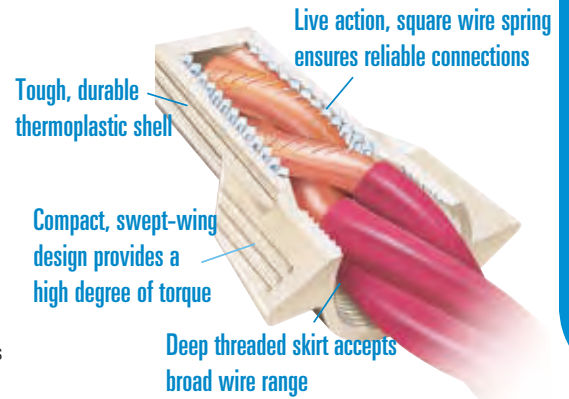
The No.1 twist-on wire connector. The Twister® easily handles the most common wiring tasks. A patented, expanding square-wire spring always ensures a quick, safe connection.

- Exceptional wire-range capacity — three colour-coded models handle wire combinations from as small as 0.5 mm<sup>2</sup> to as large as 10.0 mm<sup>2</sup>
- Accept solid, stranded and flexible wires and are reusable
- Swept wings offer extra leverage and less effort for large wire combinations
- Live-action, square-wire spring locks onto wire for safe, secure connections
- Deep skirt helps protect against flash-over and turned-back strands for maximum dielectric protection
- Cost effective replacement for terminal blocks
- BS 7671:2008 (17<sup>th</sup> Edition) compliant
- Conform to EN 60998-1:2004, EN 60998-2-4:2005 connecting device standards



## Optimum Wire Range

## Ultimate Performance



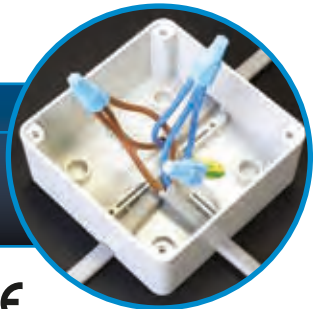
Wire Connectors

| Model | Colour     | Wire Combination Range (mm)  | Quantity   | Cat. No. |
|-------|------------|--|------------|----------|
| 340®  | Lt. Blue   | 32A / 450V<br>0.5mm <sup>2</sup> to 4.0mm <sup>2</sup><br>Min. 2 x 0.5mm <sup>2</sup><br>Max. 2 x 4.0mm <sup>2</sup>   | Box of 100 | 30-340   |
| 341®  | Tan        | 41A / 600V<br>0.5mm <sup>2</sup> to 6.0mm <sup>2</sup><br>Min. 3 x 0.5mm <sup>2</sup><br>Max. 2 x 6.0mm <sup>2</sup>   | Box of 100 | 30-341   |
| 342®  | Grey       | 57A / 600V<br>2.5mm <sup>2</sup> to 10.0mm <sup>2</sup><br>Min. 3 x 2.5mm <sup>2</sup><br>Max. 2 x 10.0mm <sup>2</sup> | Box of 50  | 30-342   |
| 344®  | Red/Yellow | 32A / 600V<br>0.5mm <sup>2</sup> to 4.0mm <sup>2</sup><br>Min. 3 x 0.5mm <sup>2</sup><br>Max. 4 x 4.0mm <sup>2</sup>   | Box of 50  | 30-144   |

## Twister®

### FAST FACT:

The small profile of the Model 340 Twister® means it easily fits inside standard connector enclosures.



## WeatherProof Wire Connectors

Designed specifically for above ground, interior/exterior connections exposed to damp/wet and corrosive environments.

WeatherProof connectors are pre-filled with a non-hardening, silicone-based sealant that protects against moisture and corrosion.

- Silicone-based sealant protects against moisture and corrosion
- IP55 rated for use in damp/wet locations
- Easy to apply, pre-filled twist-on wire connectors
- Accept solid and stranded wire
- Handle wire sizes from 1.5mm<sup>2</sup> to 4.0mm<sup>2</sup> copper conductors
- Tough, UL 94V-2 flame-retardant shell rated at 105°C (221°F)
- BS 7671:2008 (17<sup>th</sup> Edition) compliant
- Conform to EN 60998-1:2004, EN 60998-2-4:2005 connecting device standards

## Connected and Protected

## Damp/Wet Above Ground Locations



**Model 61**  
24A/450V



**Model 62**  
32A/450V



**Model 63**  
32A/450V

## WeatherProof

### FAST FACT:

The silicone-based sealant protects electrical connections, eliminating the need for heat-shrink or water-proof enclosures in many applications.



### WeatherProof Wire Connectors

| Model | Colour        | Wire Combination Range (mm <sup>2</sup> )   | Quantity   | Cat. No. |
|-------|---------------|---|------------|----------|
| 61    | Grey/Orange   | 1.5mm <sup>2</sup> to 2.5mm <sup>2</sup><br>Min. 1 x 1.5mm <sup>2</sup> / Max. 2 x 2.5mm <sup>2</sup> | Card of 25 | 30-1161  |
| 62    | Grey/Red      | 1.5mm <sup>2</sup> to 4.0mm <sup>2</sup><br>Min. 2 x 1.5mm <sup>2</sup> / Max. 4 x 4.0mm <sup>2</sup> | Card of 20 | 30-1162  |
| 63    | Grey/Dr. Blue | 2.5mm <sup>2</sup> to 4.0mm <sup>2</sup><br>Min. 3 x 2.5mm <sup>2</sup> / Max. 6 x 4.0mm <sup>2</sup> | Card of 15 | 30-1163  |

## Wire Connector Kits

IDEAL offers a range of wire connector kits comprising of In-Sure® Push-In, SpliceLine® In-Line, In-Sure® Lever Wire, Twister® and WeatherProof 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<br>Installer Kit                      | 30 x 2-port push-in<br>30 x 3-port push-in<br>30 x 4-port push-in<br>30 x SpliceLine®  | <b>30-5011EU</b> |
|    | In-Sure® Push-In Connector<br>Premium Kit                   | 50 x 2-port push-in<br>50 x 3-port push-in<br>50 x 4-port push-in<br>40 x 5-port push-in<br>20 x 6-port push-in<br>15 x 8-port push-in<br>30 x Twister® 341 (FOC)  | <b>30-5020EU</b> |
|   | In-Sure® Push-In Connector<br>Starter Kit                   | 30 x 2-port push-in<br>30 x 3-port push-in<br>30 x 4-port push-in<br>20 x 6-port push-in   | <b>30-5021EU</b> |
|  | Push-In & Lever Wire<br>Connector Kit (80 pcs.)             | 10 x 2-port lever connector<br>10 x 3-port lever connector<br>5 x 5-port lever connector<br>10 x 2-port push-in<br>10 x 3-port push-in<br>10 x 4-port push-in<br>10 x 6-port push-in<br>15 x 2-port SpliceLine®  | <b>30-5005EU</b> |
|  | Push-In & Lever Wire<br>Connector Premium Kit<br>(240 pcs.) | 30 x 2-port lever connector<br>40 x 3-port lever connector<br>20 x 5-port lever connector<br>30 x 2-port push-in<br>30 x 3-port push-in<br>20 x 4-port push-in<br>15 x 5-port push-in<br>15 x 6-port push-in<br>10 x 8-port push-in<br>30 x 2-port SpliceLine® | <b>30-5006EU</b> |
|  | Twister® & WeatherProof<br>Connector Premium Kit            | 40 x Twister® 340®<br>40 x Twister® 341®<br>25 x Twister® 342®<br>25 x Twister® PRO 344®<br>20 x WeatherProof 61<br>12 x WeatherProof 62<br>12 x WeatherProof 63   | <b>30-5000EU</b> |
|  | Twister® & WeatherProof<br>Connector Starter Kit            | 30 x Twister® 340®<br>30 x Twister® 341®<br>15 x Twister® PRO 344®<br>15 x WeatherProof 62   | <b>30-5001EU</b> |





# ***CABLE INSTALLATION***

**B**



## Tuff-Grip™ Pro... Industry's Leading Fish Tape!

Fish Tapes



**Length marked!  
Now laser etched  
in 12" increments  
to provide instant  
conduit length.**

Etched in (12") increments  
to provide instant conduit  
length.

Tuff-Cuff™ tape retaining  
feature keeps tape  
properly positioned in  
the opening.

Full-perimeter handle  
band helps keep dirt  
and moisture out,  
prolonging life.



**Tuff-Grip™ Handle**  
Large, comfortable  
ergonomically-designed,  
grasp from the top or side.  
Allows for use with gloves.

**Superior pull-  
out and rewind  
characteristics.**

**Exceptionally Durable  
Case and Handle**

### Fish Tape Materials

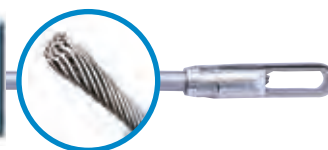
#### Blued Steel™

- Laser etched in 12" increments to provide instant conduit length
- Unique finish is non-oily and resists rust
- Multiple options in width, length and eyelet for ease of use
- Industry's straightest wire
- Stiffer for long runs
- Highest grade carbon steel
- Tensile strength 725 kg (1,600 lbs.)



#### Zoom™

- 19 strands of stainless steel
- Ultra hard nylon jacket adds slipperiness, protects cables and user's hands
- Excellent for corrugated plastic conduit
- 19 strand twisted radial steel core encased in high molecular density outer jacket.
- Excellent for multiple bends or wet/corrosive work environment



#### Volt-Guard

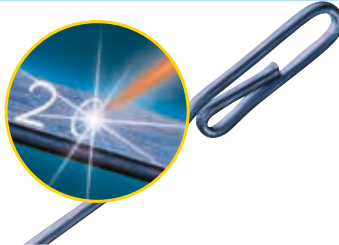
- Non-conductive to 1000V
- Rectilinear profile for superior pushing power
- Designed for use around live circuits



## Blued Steel™

### Blued-Steel™ Fish Tapes

- Laser etched in 12" increments to provide instant conduit length
- High column strength for longer runs
- Non-oily finish resists rust



| Length (m/ft.)      | Width & Thickness mm / in | Case Diameter  | End Type    | Tuff-Grip™ Pro |
|---------------------|---------------------------|----------------|-------------|----------------|
| <b>Blued Steel™</b> |                           |                |             |                |
| 18 / 60             | 3.2 x 1.5 / 1/8 x .060    | 30 cm / 12 in. | Formed hook | <b>31-055</b>  |
| 36 / 120            | 3.2 x 1.5 / 1/8 x .060    | 30 cm / 12 in. | Formed hook | <b>31-056</b>  |
| 73 / 240            | 3.2 x 1.5 / 1/8 x .060    | 30 cm / 12 in. | Formed hook | <b>31-057</b>  |

## Zoom™

### Zoom™ Fish Tapes

- Great for hard to navigate conduit with multiple bends
- Nylon jacket protects the steel core while adding to the slipperiness of Zoom™

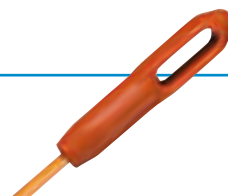


| Length (m/ft.)                              | Width & Thickness mm / in. | Case Diameter  | End Type | Tuff-Grip™ Pro |
|---|----------------------------|----------------|----------|----------------|
| <b>Zoom™ Nylon Jacketed Stainless Steel</b> |                            |                |          |                |
| 15 / 50                                     | 4.8 / 3/16 diameter        | 30 cm / 12 in. | Eyelet   | <b>31-090</b>  |
| 30 / 100                                    | 4.8 / 3/16 diameter        | 30 cm / 12 in. | Eyelet   | <b>31-092</b>  |

## Volt-Guard

### Volt-Guard Fish Tapes

- Non-conductive up to 1000V
- Elliptical design gives the Volt-Guard greater pushing power



| Length (m/ft.)    | Width & Thickness mm / in. | Case Diameter  | End Type | Tuff-Grip™ Pro |
|-------------------|----------------------------|----------------|----------|----------------|
| <b>Fibreglass</b> |                            |                |          |                |
| 18 / 60           | 4.8 x 2.4 / .1875 x .094   | 30 cm / 12 in. | Eyelet   | <b>31-542</b>  |
| 36 / 120          | 4.8 x 2.4 / .1875 x .094   | 30 cm / 12 in. | Eyelet   | <b>31-544</b>  |



## Aqua-Gel® II Cable Pulling Lubricant

- Polymer-based formula provides maximum tension reduction in high-stress electrical and communication cable-pulling operations
- Compatible with all cable types except composite rubber
- Cleans up easily with soap and water
- Clings to cable throughout long pulls
- Remains stable over wide temperature range — usable from -2°C to 88°C (28°F to 180°F)
- Dries to a semi-fluid film that won't clog conduit
- Easy to apply by hand, brush or pump
- Environmentally safe — non-toxic, non-flammable and non-corrosive
- Suitable for indoor or outdoor use



| Description                       | Cat. No. |
|-----------------------------------|----------|
| 0.95 litre / 1-qt. Squeeze bottle | 31-378   |

## ClearGlide™ Wire Pulling Lubricant

- Clear and colourless for quick and easy clean-up — great for indoor and retrofit pulls
- Exceptional lubricity for super-fast pulls
- Polymer-based formula is perfect for all electrical and datacom applications
- Safe to use with all cable types
- Controlled evaporation rate is ideal for shorter runs
- Remains stable over wide temperature ranges — usable from -1°C to 82°C (30°F to 180°F)
- Dries to a semi-fluid film that won't clog conduit
- Easy to apply by hand, brush or pump
- Environmentally safe — non-toxic, non-flammable and non-corrosive



| Description                       | Cat. No. |
|-----------------------------------|----------|
| 0.95 litre / 1-qt. Squeeze bottle | 31-388   |

## Wire Pulling Lubricant Selection Guide



|   | ClearGlide™ Wire Pulling Lubricant | Yellow 77® Wire Pulling Lubricant | Aqua-Gel® II Wire Pulling Lubricant |
|---|------------------------------------|-----------------------------------|-------------------------------------|
| Colour                                    | Clear                              | Yellow                            | Blue                                |
| Base                                      | Polymer                            | Wax                               | Polymer                             |
| Average Coefficient of Friction*          | 0.23                               | 0.17                              | 0.19                                |
| Pull Length Up To                         | 75 ft/22 m                         | 1,200 ft/365 m                    | 250 ft/76 m                         |
| Retains Pull Characteristics Up To        | 8 hours                            | 24 hours                          | 24 hours                            |
| Stability Range                           | 32°F – 180°F (0°C – 82°C)          | 32°F – 130°F (0°C – 54°C)         | 32°F – 180°F (0°C – 82°C)           |
| Application Temperature Range             | 40°F – 100°F (4°C – 38°C)          | 40°F – 100°F (4°C – 38°C)         | 40°F – 100°F (4°C – 38°C)           |
| COMPATIBILITY (Cable Types):              |                                    |                                   |                                     |
| Rubber                                    | •                                  | •                                 | •                                   |
| Neoprene                                  | •                                  | •                                 | •                                   |
| Nylon                                     | •                                  | •                                 | •                                   |
| PVC                                       | •                                  | •                                 | •                                   |
| High-density or Cross-linked Polyethylene | •                                  | •                                 | •                                   |
| Low-density Polyethylene                  | •                                  |                                   | •                                   |
| Semiconducting Jacket                     | •                                  |                                   | •                                   |
| Hypalon                                   | •                                  | •                                 | •                                   |

\*Results from NEETRAC, an independent testing laboratory affiliated with The Georgia Institute of Technology.

## Yellow 77® Wire Pulling Lubricant

The no. 1 brand of wire pulling lubricant since 1959.

- The perfect general purpose lube
- Wax-based formula provides superior lubricity
- Safe to use with most cable types except low-density polyethylene and semi-conducting jackets
- Clings to cable throughout long pulls, even where moisture is present
- Won't break down or separate after repeated exposure to freezing temperatures
- Dries to a thin, non-conductive film
- Easy to apply by hand or brush
- Creamy texture applies easily and uniformly
- Homogeneous blend requires no mixing
- Won't dry out — surface coat forms to control evaporation
- Environmentally safe — non-toxic, non-flammable and non-corrosive



| Description                       | Cat. No. |
|-----------------------------------|----------|
| 0.95 litre / 1-qt. Squeeze bottle | 31-358   |
| 3.79 litre / 1-gal. Bucket        | 31-351   |
| 18.93 litre / 5-gal. Bucket       | 31-355   |

## Duct Seal

- Seals around junction boxes, flashings and service entrances
- Permanently soft, non-toxic compound can be painted immediately after application
- Won't adversely affect other plastic materials or corrode metals



| Description           | Cat. No. |
|-----------------------|----------|
| 0.45 kg / 1 lb. Block | 31-601   |
| 2.27 kg / 5 lb. Block | 31-605   |

## Selection & Application Guide



**Web Based Selection & Application Guide:**  
<http://ideal.sdafiles.com>

## Noalox® Anti-Oxidant

**Great for use on  
Cu/Al electrical  
connections**

- Anti-oxidant and anti-seizing compound improves efficiency and service life of aluminium-to-aluminium and aluminium-to-copper electrical connections
- Suspended zinc particles penetrate and cut aluminium oxide
- Provides additional inter-strand and inter-conductor current paths for improved conductivity and cooler connections
- Carrier material excludes air to prevent further oxidation
- For use with all types of pressure-type wire connectors including screw-on, tap, service entrance and split-bolt
- Reduces galling and seizing and promotes good ground continuity on aluminium conduit joints



| Description                   | Cat. No. |
|-------------------------------|----------|
| 15 ml / 0.5 oz. Tube          | 30-024   |
| 118 ml / 4-oz. Squeeze bottle | 30-026   |

**For a Material Safety Data Sheet on  
Noalox® and other products check out:**

**[http://www.idealindustries.co.uk/  
support/msds/](http://www.idealindustries.co.uk/support/msds/)**



## Conduit Benders

- Exceptionally durable materials for extra strength
- Reinforced at stress points for longer life
- Markings are raised and cast into the bender body on both sides for easy visibility
- Deeply serrated step helps prevent slippage when applying force
- Grooved internal hook surface helps prevent conduit from slipping
- Flat hook surface provides stable starting point
- Much lower cost than stand mounted benders
- Takes up minimal space in vehicle
- Simple to use with no set-up required

### Ductile Iron

- Withstands a lifetime of heavy use
- Ductile iron material is stronger than malleable iron or aluminium



### Ductile Iron Head & Handle Complete

| Conduit Type and Size         | Cat. No. |
|-------------------------------|----------|
| 20 mm / 3/4 in. steel conduit | 74-027   |
| 25 mm / 1 in. steel conduit   | 74-028   |

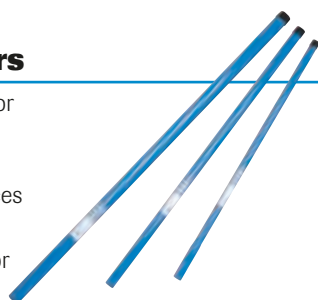
### Ductile Iron Head Only

| Conduit Type and Size         | Cat. No. |
|-------------------------------|----------|
| 20 mm / 3/4 in. steel conduit | 74-002   |
| 25 mm / 1 in. steel conduit   | 74-003   |



### Handles for Benders

- Rugged, steel construction for long-term durability
- Baked-on blue enamel finish resists corrosion and enhances visibility
- Convenient bending guide for offset bends



| Conduit Type and Size         | Cat. No. |
|-------------------------------|----------|
| 20 mm / 3/4 in. steel conduit | 74-019   |
| 25 mm / 1 in. steel conduit   | 74-020   |



Scan for  
product video



### BenderBoot™

- Santoprene® tread and hand grip provides support for saddle and offset bends
- Easy push-on assembly to 1/2 in. and 3/4 in. bender handles



| Description | Cat. No. |
|-------------|----------|
| BenderBoot™ | H-4076   |

*Santoprene® is a registered trademark of Exxon Mobil*





## T<sup>®</sup>-Stripper Wire Strippers

Invented by IDEAL INDUSTRIES and manufactured at our facility in Sycamore, Illinois, USA, the T<sup>®</sup>-Stripper Wire Stripper line has been the industry standard for almost 50 years.

Compact, lightweight and easy to use. Features precision-ground, knife-type blades, built-in looping holes, wire cutters and a convenient plier nose.



- Form-ground, knife-type blades for accurate, easy stripping without nicking insulation
- Built-in wire cutter and looping holes
- Convenient plier nose for extra gripping strength
- Laser-etched wire gauge for easy-to-read visibility
- Spring-loaded automatic opening
- Corrosion-resistant, black oxide finish
- Tough steel construction

| Description                                     | Solid                   | Stranded | Cat. No.   |
|---|-------------------------|----------|------------|
| T <sup>®</sup> -Stripper Wire Stripper – Metric | 0.75-6.0mm <sup>2</sup> |          | 45-120-341 |
| T <sup>®</sup> -Stripper Wire Stripper – Metric | 0.5-4.0mm <sup>2</sup>  |          | 45-125-341 |

## Lil' Ripper Stripper™



- Rips Twin & Earth outer jacket cleanly and quickly
- Clips outer sheathing to remove excess jacket
- Strips inner conductor wires
- Looping holes loop wire for screw-on connections
- Twist-Assist™ tightens most popular sizes of winged twist-on connectors
- Injection moulded elastomer grip provides a comfortable, slip resistant grip
- Strip length measuring scale allows for quick and easy measurements
- Conveniently fits in your pocket

| Description           | Cat. No. |
|-----------------------|----------|
| Lil' Ripper Stripper™ | 45-025   |

## Reflex™ Premium T<sup>®</sup>-Stripper Wire Strippers



- Ergonomic design for maximum comfort
- Curved handles reduce wrist fatigue
- Sleeves extend to stripping head to cushion thumb and fingers
- Textured, no-slip sleeves provide a sure, easy grip

| Description                                       | Solid                                  | Stranded | Cat. No.   |
|---|--|----------|------------|
| Reflex™ Premium T <sup>®</sup> -Stripper – Metric | 0.5mm <sup>2</sup> -4.0mm <sup>2</sup> |          | 45-425-341 |

## 7-in-1 Stripper



- Versatile, seven-function tool features precision-ground stripping blades, cushioned grips and plier nose
- Strips 1.5mm<sup>2</sup> - 6.0mm<sup>2</sup> solid and 0.5mm<sup>2</sup> - 4.0mm<sup>2</sup> stranded wire (AWG equivalents)
- Crimps bare and insulated terminals from 0.5mm<sup>2</sup>-5.0mm<sup>2</sup> wire, RG-59 coax connectors and 7 to 8mm auto ignition connectors
- Cuts unhardened wire, bolts and screws and reforms threads
- Reams and de-burrs conduit
- Gauges and loops wire

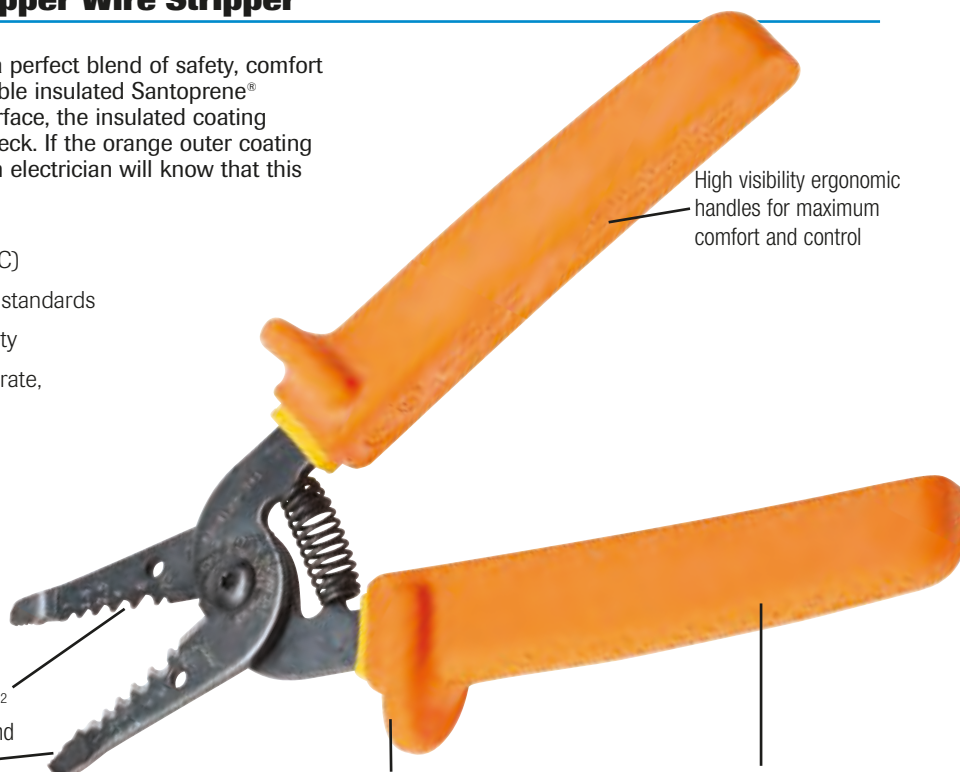
| Description     | Cat. No. |
|-----------------|----------|
| 7-in-1 Stripper | 45-777   |

## Premium Insulated T®-Stripper Wire Stripper

The IDEAL insulated T®-Stripper creates a perfect blend of safety, comfort and precision functionality. Featuring double insulated Santoprene® handles with a soft, easy-to-grip outer surface, the insulated coating process acts as an 'at-a-glance' safety check. If the orange outer coating reveals any of the inner yellow surface, an electrician will know that this tool needs to be replaced.

- 1000 Volt certified (1000V AC, 1500V DC)
- Meets IEC 60 900 and ASTM F1505-01 standards
- Double insulated handles for added safety
- Form-ground, knife-type blades for accurate, easy stripping without nicking insulation
- Built-in wire cutter and looping holes
- Convenient plier nose for extra gripping strength
- Laser-etched wire gauge for easy-to-read visibility
- Spring-loaded automatic opening
- Corrosion-resistant, black oxide finish
- Locking tabs keep spring in place

0.75mm<sup>2</sup> to 6.0mm<sup>2</sup>  
stripping notches and  
plier gripping nose



High visibility ergonomic  
handles for maximum  
comfort and control

Non-slip guard for  
added safety

Textured handles provide a sure grip  
and are resistant to perspiration,  
water, oil and chemicals

| Description   | Cat. No.    |
|---|-------------|
| Premium T®-Stripper Wire Stripper -<br>Metric 0.75mm <sup>2</sup> -6.0mm <sup>2</sup> | 45-9120-341 |

## Stripmaster® Wire Stripper

- One-step stripping enhances productivity
- Spring-action motion increases leverage and reduces operator fatigue
- Precision-ground, knife-type blades provide clean, accurate stripping
- Sturdy die-cast frame provides long-term durability
- Wire gripper holds wire securely in position



### Knife-Type Blades for Metric Wire

| Wire Size mm <sup>2</sup> |                     |                     |                     |                     |                     | Cat. No.   |
|---------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------|
| 0.75 mm <sup>2</sup>      | 1.0 mm <sup>2</sup> | 1.5 mm <sup>2</sup> | 2.5 mm <sup>2</sup> | 4.0 mm <sup>2</sup> | 6.0 mm <sup>2</sup> | 45-292-341 |

## Twin & Earth Cable Stripper



- Self-adjusting stripping blades automatically select proper position
- Strips Twin and Earth cable
- Open-throat construction allows unlimited strip length
- Neatly removes outer cable sheath and inner wire sheathing to desired lengths
- Lightweight, ergonomic design reduces user fatigue

| Description                 | Cat. No. |
|-----------------------------|----------|
| Twin & Earth Cable Stripper | 45-235   |

## T<sup>®</sup>-Cutter Wire Cutter



- Hardened steel, shear-type blades
- Spring-loaded automatic opening
- Convenient plier nose for extra gripping strength
- Corrosion-resistant, black oxide finish
- Tough steel construction
- Locking tab keeps spring in place

| Description                        | Cat. No. |
|------------------------------------|----------|
| T <sup>®</sup> -Cutter Wire Cutter | 45-123   |

## Long-Arm Cable Cutter



- High strength forged blades for ultimate durability
- Precision-ground jaws make clean cuts with minimal cable distortion
- Replaceable blades
- 1000 MCM (29.3 Dia.)
- For copper and aluminium only

| Description           | Length     | Cat. No. |
|-----------------------|------------|----------|
| Long-Arm Cable Cutter | 810 mm/32" | 35-033   |

CAUTION: Comfort-grip handles are not designed for protection against electrical shock. Do not use on live circuits.

## Data T<sup>®</sup>-Cutter Wire Cutter



- Cuts round communication cable and maintains cable geometry for better cable performance
- Cuts multi-pair cable up to 12.7 mm (0.5 in.) and coaxial cable up to RG-9/U
- Suitable for soft cables (not steel reinforced)
- Steel reinforced centre conductors can be trimmed with bolt cutting holes
- Cushioned comfort grip handles
- Locking latch keeps tool closed in pouch

| Description                 | Cat. No. |
|-----------------------------|----------|
| Data T <sup>®</sup> -Cutter | 45-074   |



## PowerBlade™ Cable Cutter

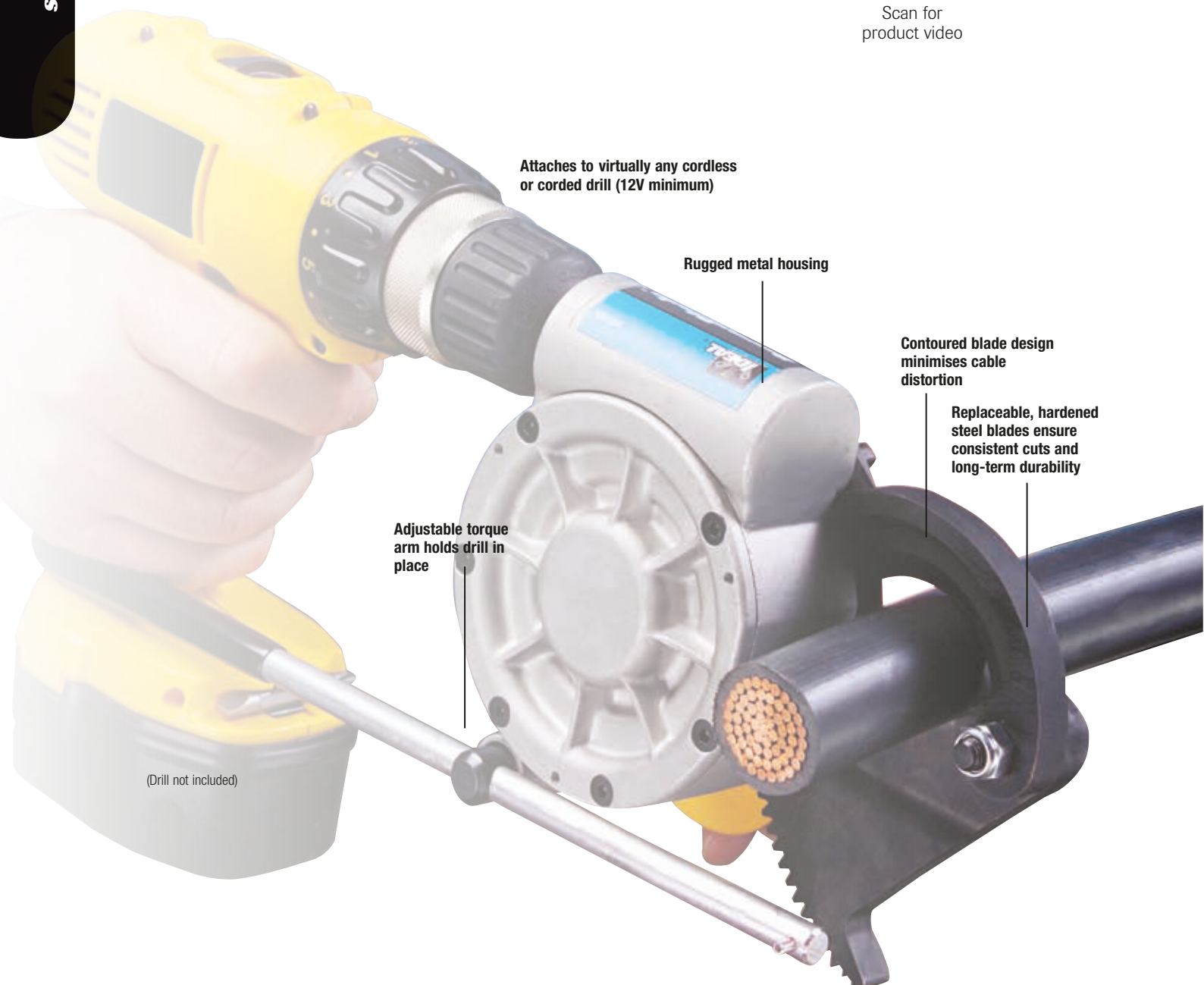
The IDEAL PowerBlade™ Cable Cutter is designed to cut cables quickly and efficiently. With adjustable torque arms, heavy-duty gears and proprietary hardened steel blades, they deliver unsurpassed performance, ease-of-use and durability. Compatible with virtually any 12 volt or higher drill so that cutting is as effortless as pulling the drill's trigger. The unique compact design is the perfect tool for fitting into tight spaces. Features an ergonomic design and non-slip grips, helping you cut cable easily and safely.

| Description                  | Cat. No. |
|------------------------------|----------|
| PowerBlade™ 750 Cable Cutter | 35-078   |

**Not designed to cut SWA cable.**



Scan for  
product video



Attaches to virtually any cordless  
or corded drill (12V minimum)

Rugged metal housing

Contoured blade design  
minimises cable  
distortion

Replaceable, hardened  
steel blades ensure  
consistent cuts and  
long-term durability

Adjustable torque  
arm holds drill in  
place

(Drill not included)

### PowerBlade™ 750 CABLE CUTTER



(Drill not included)

- Extremely versatile and designed for multiple applications
- Jaw opening of up to 1 1/2 inch (38mm).
- Cuts copper cable up to 380 mm<sup>2</sup> (750 MCM) and aluminium cable up to 506 mm<sup>2</sup> (1000 MCM)
- Specially hardened, rounded blades minimise cable distortion for professional quality every time



Cable Cutters

## 38 MM (1½")

# MAX JAW OPENING



## Ratcheting Cable Cutter

- Designed to cut 380 mm<sup>2</sup> (750 KCMIL MCM) and smaller hard-drawn copper and aluminium cables
- Hardened steel blades ensure consistent cuts and long-term durability
- Rounded blade design minimizes cable distortion during cutting
- Quick release mechanism simplifies blade back-out
- Locking mechanism keeps handles closed for easy storage
- Moulded-in foot provides stability and leverage when making multiple cuts

**Not designed to cut SWA cable.**

Cable Cutters

Hardened, long life steel blades

Cuts up to 750 MCM (380mm<sup>2</sup>) hard-drawn copper

High strength ratcheting teeth

Comfort grip handles

Quick handle release

Handle locking mechanism



| Description                              | Cat. No. |
|--|----------|
| 750 KCMIL (MCM) Ratcheting Cable Cutter* | 35-053   |

\*Max. Jaw Opening - 2 in. (50mm). Not for SWA cable.

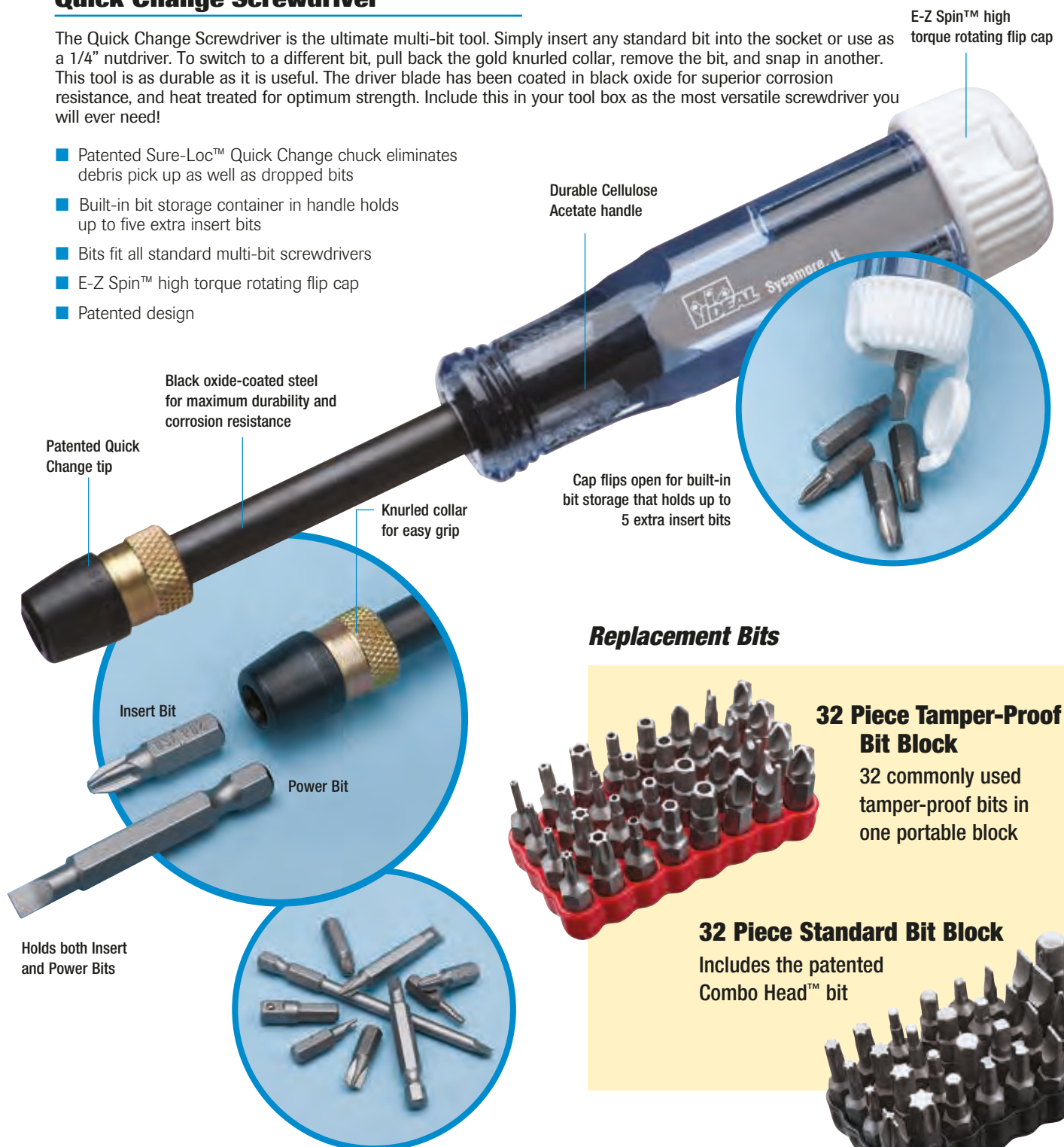




## Quick Change Screwdriver

The Quick Change Screwdriver is the ultimate multi-bit tool. Simply insert any standard bit into the socket or use as a 1/4" nutdriver. To switch to a different bit, pull back the gold knurled collar, remove the bit, and snap in another. This tool is as durable as it is useful. The driver blade has been coated in black oxide for superior corrosion resistance, and heat treated for optimum strength. Include this in your tool box as the most versatile screwdriver you will ever need!

- Patented Sure-Loc™ Quick Change chuck eliminates debris pick up as well as dropped bits
- Built-in bit storage container in handle holds up to five extra insert bits
- Bits fit all standard multi-bit screwdrivers
- E-Z Spin™ high torque rotating flip cap
- Patented design



Screwdriver

## Replacement Bits



### 32 Piece Tamper-Proof Bit Block

32 commonly used tamper-proof bits in one portable block

### 32 Piece Standard Bit Block

Includes the patented Combo Head™ bit



(Excludes Bits)



Scan for product video

The Quick Change Screwdriver accommodates a variety of bits

| Description  | Blade Length | Handle Length | Overall Length | Cat. No. |
|--|--------------|---------------|----------------|----------|
| 33-Piece Quick Change Screwdriver Set - Quick Change Screwdriver and 32-Piece Tamper-Proof Bit Block | 3-1/16 in.   | 4-3/16 in.    | 7-1/4 in.      | 35-933   |
| 33-Piece Quick Change Screwdriver Set - Quick Change Screwdriver and 32-Piece Standard Bit Block     | 3-1/16 in.   | 4-3/16 in.    | 7-1/4 in.      | 35-934   |

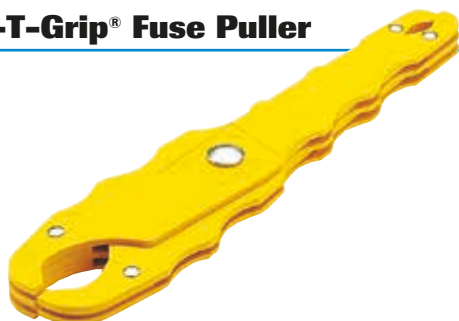
## Auto-Lock™ Tape Measure 7.5m/25ft



- Automatic blade lock
- Push button for smooth blade retraction
- Nylon coated blade for extra long life and wear resistance
- Double sided marked blade for convenience
- Shock-resistant rubber grip for added comfort and protection

| Description                       | Cat. No. |
|-----------------------------------|----------|
| Auto-Lock™ Tape Measure 7.5m/25ft | 35-242M  |

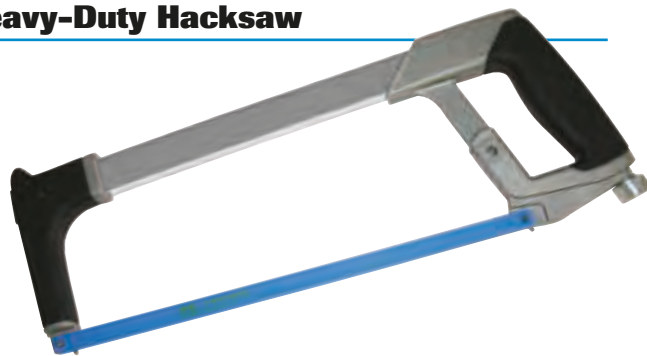
## Safe-T-Grip® Fuse Puller



- Maximum efficiency and convenience for removing or replacing cartridge-type fuses
- Fully insulated, high-dielectric, glass-filled polypropylene construction
- Notched handles provide safe, no-slip grip
- Clearly marked amperage ranges
- Exceed MIL specifications

| Description  | Cat. No. |
|--|----------|
| Medium Puller for 0 to 100A/250V & 600V, 1.3 cm (1/2 in.) to 2.5 cm (1 in.) dia. fuses; 19 cm (7-1/2 in.) long | 34-002   |

## Heavy-Duty Hacksaw



- Cushioned ergonomic grip for performance and comfort
- Rugged frame provides lightweight rigidity and exceptional control
- Stores up to nine extra blades
- Blades can be adjusted to 55° angle for flush cutting and tensioned to 30,000 psi
- Includes 300 mm / 12 in. x 24T bi-metal blade

| Description        | Cat. No. |
|--------------------|----------|
| Heavy-Duty Hacksaw | 35-260   |

## Ratchet Crimp Tool



- Crimps insulated or bare terminals and splices on 0.5mm² - 4.0mm² (10-22 AWG) wire
- Ratchet action prevents release prior to crimp connection – helps ensure uniform crimps
- Vinyl-coated handles provide a solid, comfortable grip

| Description        | Cat. No. |
|--------------------|----------|
| Ratchet Crimp Tool | 83-001   |

## Large Mouth Bag

- Top opens completely for easy access to large tools – reinforced to hold itself open
- Rugged zipper closure helps prevent tool loss
- Removable shoulder strap
- Durable multi-ply construction



| Description                            | Cat. No. |
|--|----------|
| Large Mouth Bag - 330 mm / 13 in. long | 35-410   |

Note: Tools are not included.



# LOCKOUT/TAGOUT





## Importance of Safe Isolation

Unintentional energisation of circuits, machinery and equipment is a leading cause of death and injury among electrical contractors in the UK.

To minimise this type of accident regulations such as the “Provision and Use of Work Equipment 1998, Section 19 Energy” and the “Electricity at Work Regulations 1989, Regulation 13” require companies to have effective isolation policies in place.

Most accidents can be avoided by installing simple lockout / tagout devices prior to any electrical work being carried out.

## Basic Practice for Safe Isolation

When working on electrical equipment / energized circuits, it is important that certain basic steps are followed:

- The correct point of isolation is identified
- An appropriate means of isolation is used
- Suitable caution notices should be placed where visible at the point of isolation
- All conductors must be proved to be dead at the point where work is intended to be carried out
- The electrical supply can not be reinstated while work is being carried out on any equipment / part of the circuit
- Isolation of equipment / circuits should be under the control of the person responsible for carrying out work on the isolated conductors
- Multi-lock hasps / devices should be used in the event of more than one person working on isolated equipment / circuits



IDEAL offers a range of lockout / tagout products to provide a cost-effective and safe solution in the management of electrical safety and circuit isolation in the workplace. IDEAL lockout/tagout devices help to achieve compliance with current regulations.

For more comprehensive information on electrical safety and safe isolation, refer to the best practice guide available from the Electrical Safety Council entitled ‘Guidance on the **management of electrical safety and safe isolation** procedures for **low voltage installations**’. The latest version is available on the Electrical Safety Council website ([www.esc.org.uk](http://www.esc.org.uk)).

## Kit Selection Chart

| Part number | Description:                           | 44-925 | 44-924 | 44-985UK | 44-995 |
|-------------|--|--------|--------|----------|--------|
| K-8334      | Safety Padlock                         | ✓      | ✓      | ✓        |        |
| K-40611     | Non-Conductive Safety Padlock          |        |        |          | ✓      |
| KB-0224     | Steel Lockout Hasp                     |        | ✓      | ✓        |        |
| 44-428EU    | Non-Conductive Lockout Hasp            |        |        |          | ✓      |
| KB-0375     | Circuit Breaker Lockout                |        |        | ✓        | ✓      |
| IA-2280     | “No-Hole” Lockout Device               |        |        | ✓        | ✓      |
| 441.001     | MCB Pins-Out Device (Std)              | ✓      | ✓      | ✓        | ✓      |
| 441.002     | MCB Pins-In Device                     |        |        |          | ✓      |
| 441.003     | MCB Pins-Out Device (Wide)             |        |        |          | ✓      |
| 441.004     | Tie-Bar Lockout Device                 |        |        |          | ✓      |
| KB-0234     | Universal MCB Lockout Device (Metal)   | ✓      | ✓      | ✓        | ✓      |
| 44-2393     | Universal MCB Lockout Device (Plastic) |        |        |          | ✓      |
| 44-2394     | Universal MCB Lockout Device (Plastic) |        |        |          | ✓      |
| 44-833EU*   | Lockout Tags                           | ✓ (1)  | ✓ (2)  | ✓ (5)    | ✓ (5)  |
| KB-7566     | Marking Pen                            |        | ✓      | ✓        | ✓      |
| IA-3240     | Lockout Pouch                          |        | ✓      | ✓        | ✓      |

\* Available to order in packs of 5 (44-5833EU)

## Contractor Lockout/Tagout Kit

- Aimed at contractors working on industrial, commercial and domestic installations
- Contains a range of devices allowing you to lock off most breakers on the market
- Supplied in a handy zipped pouch to help keep the kit close to hand and easily accessible



| Description                   | Cat. No. |
|-------------------------------|----------|
| Contractor Lockout/Tagout Kit | 44-985UK |

## Contractor PRO Lockout/Tagout Kit

- Aimed at contractors working on industrial, commercial and domestic installations
- Contains a broad range of devices allowing installers to provide safe isolation by locking off virtually all breakers on the market today
- Includes full range of MCB lockout devices including pins-in, pins-out, pins-out wide, tie-bar and various universal MCB lockout devices
- Supplied in a handy zipped pouch to help keep the kit close to hand and easily accessible



| Description                       | Cat. No. |
|-----------------------------------|----------|
| Contractor PRO Lockout/Tagout Kit | 44-995   |

## Domestic Installer Lockout/Tagout Kit

- Primarily aimed at the domestic installer
- Contains devices for use on typical breakers found in domestic installations
- Supplied in a handy zipped pouch



| Description                           | Cat. No. |
|---------------------------------------|----------|
| Domestic Installer Lockout/Tagout Kit | 44-924   |

## Personal Lockout/Tagout Kit

- A low-cost lockout kit containing two popular lockout devices plus a safety padlock and Do Not Operate tag
- Suitable for individuals or companies wishing to kit out their entire workforce with a low-cost versatile lockout kit



| Description                 | Cat. No. |
|-----------------------------|----------|
| Personal Lockout/Tagout Kit | 44-925   |

## Safety Padlocks

- Dedicated safety lockout device reduces confusion with other locks
- Durable non-conductive, Xenoy lightweight body
- 6 mm triple-coated hardened-steel shackle
- Key retention ensures keys do not get lost while padlock not in use
- Complies with OSHA's "1-key, 1-lock"
- Available in various colours for easy identification



| Description                                   | Cat. No.       |
|---|----------------|
| Safety Padlock 38 mm steel shackle - red      | <b>K-8334*</b> |
| Safety Padlock 38 mm steel shackle - blue     | <b>K-8330</b>  |
| Safety Padlock 38 mm steel shackle - yellow   | <b>K-8336</b>  |
| Safety Padlock 76 mm long steel shackle - red | <b>K-41021</b> |

\* Available as blister packaging for retail display - add "-D" to the end of the part number

## Non-Conductive Safety Padlocks

- Dedicated safety lockout device reduces confusion with other locks
- Non-conductive, Xenoy lightweight body
- 6 mm non-conductive nylon shackle
- Dielectric protection - anti-sparking
- Key retention ensures keys do not get lost while padlock not in use
- Complies with OSHA's "1-key, 1-lock"
- Available in red or yellow body
- Keyed-alike & Master-Keyed suites available by special order



| Description  | Cat. No.       |
|--|----------------|
| Non-Conductive Safety Padlock 38 mm nylon shackle - red    | <b>K-40611</b> |
| Non-Conductive Safety Padlock 38 mm nylon shackle - yellow | <b>K-40612</b> |

## Universal Hasp (Double Ended)

- Combines small and large hasp
- Allows up to six workers to lock out a single energy source
- Attach hasp to energy disconnect switch
- Control cannot be turned on until last worker's padlock is removed from hasp
- Hasp length 137 mm



| Description                   | Cat. No.       |
|-------------------------------|----------------|
| Universal Hasp (Double Ended) | <b>KB-0231</b> |

## Steel Lockout Hasps

- Steel jaw with vinyl coated handle
- Allows up to six workers to lock out a single energy source
- Attach hasp to energy disconnect switch
- Control cannot be turned on until last worker's padlock is removed from hasp
- 25 mm and 38 mm dia. shackles available

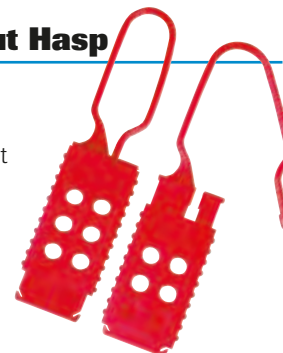


| Description                        | Cat. No.        |
|------------------------------------|-----------------|
| Steel Lockout Hasp - 38 mm shackle | <b>KB-0224*</b> |
| Steel Lockout Hasp - 25 mm shackle | <b>IA-5502</b>  |

\* Available as blister packaging for retail display - add "-D" to the end of the part number

## Non-Conductive Logout Hasp

- Non-conductive, dielectric protection, anti-sparking
- Allows up to six workers to lock out a single energy source
- Attach hasp to energy disconnect switch
- Control cannot be turned on until last worker's padlock is removed from hasp
- Inside jaw 25 x 63 mm



| Description                 | Cat. No.        |
|-----------------------------|-----------------|
| Non-Conductive Lockout Hasp | <b>44-428EU</b> |

## Mini-MCB Lockout Device

- Universal device that fits virtually all miniature circuit breakers in the market
- Cover easily pivots open and closed so the dial is inaccessible in the locked position to prevent removal
- Can be applied horizontally or vertically to lock out more than one breaker simultaneously
- Built from a durable, chemical resistant Zenx™ thermoplastic material



| Description             | Cat. No.       |
|-------------------------|----------------|
| Mini-MCB Lockout Device | <b>KB-1234</b> |



## Circuit Breaker Lockouts

- Attaches securely to breaker with simple thumb turn and clamping handle
- KB-0226 is designed for breakers with wide or tall toggles
- KB-0227 fits standard height and tie-bar toggles
- The narrow profile permits side-by-side breaker lockout
- Durable construction with powder coated steel and reinforced polymer allows operation in harsh environments



| Description  | Cat. No. |
|--|----------|
| Circuit Breaker Lockout Kit including one for wide & tall toggles and one for standard single & double toggles | KB-0375* |
| Circuit Breaker Lockout Kit for wide & tall toggles  | KB-0226  |
| Circuit Breaker Lockout Kit for standard single & double toggles   | KB-0227  |

\* Available as blister packaging for retail display - add "-D" to the end of the part number

## "No-Hole" Lockout Devices

- Lockout device that is ideal for breakers without built-in locking facilities often found in older domestic and commercial installations
- Extremely versatile - works on wide range of single pole and internal-trip multi-pole breakers
- Use thumbscrews to clamp lockout securely onto switch tongue, then pull cover over thumbscrew and lock in place to prevent clamp from being loosened



| Description                                  | Cat. No. |
|--|----------|
| "No-Hole" Lockout Device (max. switch 15 mm) | IA-2280  |
| "No-Hole" Lockout Device (max. switch 38 mm) | LA-2182  |

## MCB Lockout Devices

- A safe and effective method for locking out European Circuit Breakers
- The lockout easily installs with the aid of a Push Button
- Recommended to use in combination with a padlock with a shackle diameter up to 6 mm for added safety
- Requires no tools to install



| Description                        | Cat. No. |
|------------------------------------|----------|
| MCB Lockout Device - Pins Out      | 441.001* |
| MCB Lockout Device - Pins In       | 441.002  |
| MCB Lockout Device - Pins Out Wide | 441.003  |

\* Available as blister packaging for retail display - add "-D" to the end of the part number

+44 (0)1925 44 44 46 for Customer Service

## Adjustable Cable Lockout

- Adjustable safety hasp and cable
- Ideal for locking out multiple breakers or side-by-side gate valves
- Device can be locked using four padlocks
- Can be adjusted once the cable is locked
- Durable, flexible multi-stranded 1.8 m long vinyl coated steel cable
- Tough, lightweight, dielectric Xenoy thermoplastic body withstands chemicals and performs effectively in extreme conditions



| Description              | Cat. No. |
|--------------------------|----------|
| Adjustable Cable Lockout | 44-808   |

## Universal MCB Lockout Devices

- Universal MCB lockout devices useful for isolating MCB's without pin holes on the MCB switches
- Simple and easy to use

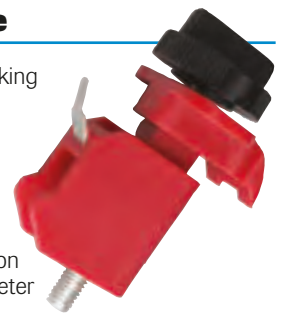


| Description  | Cat. No. |
|--|----------|
| Universal MCB Lockout Device - metal                   | KB-0234* |
| Universal MCB Lockout Device - plastic, yellow (small) | 44-2393* |
| Universal MCB Lockout Device - plastic, blue (large)   | 44-2394  |

\* Available as blister packaging for retail display - add "-D" to the end of the part number

## Tie-Bar Lockout Device

- A safe and effective method for locking out non-standard breakers where pins-in / pins-out devices can not be used
- Convenient thumb wheel for quick application
- Recommended to use in combination with a padlock with a shackle diameter up to 6 mm for added safety
- Requires no tools to install



| Description            | Cat. No. |
|------------------------|----------|
| Tie-Bar Lockout Device | 441.004  |

## Lock Stations

- Integrated, one-piece moulded construction
- Resilient polycarbonate material provides heat resistance and high impact strength
- Lockable cover prevents loss of contents
- Secure with a combination lock for simple access control



| Description                                | Cat. No.  |
|--|-----------|
| 5-10 Locks Lockout Station (Station Only)  | 44-778-S0 |
| 10-20 Locks Lockout Station (Station Only) | 44-806-S0 |



## Electrical Plug Lockouts

- Surrounds electrical plugs and prevents accidental reconnection
- Designed to enable installation in confined spaces
- Large plug lockout accepts various electrical plugs up to 500V and accommodates wide range of cable diameters
- Small plug lockout is perfect for safe isolation of appliances with a standard mains plug
- Locked out using safety padlock



44-0488



44-0487

| Description                               | Cat. No. |
|---|----------|
| Electrical Plug Cover (Small) 120V - 240V | 44-0487  |
| Electrical Plug Cover (Large) 220V - 500V | 44-0488  |

## DO NOT OPERATE Lockout Tags

- Heavy duty vinyl tag with metal grommet for extra strength
- Designed to withstand use in harsh environments
- High visibility lettering



| Description  | Cat. No.  |
|--|-----------|
| DO NOT OPERATE Lockout Tags - Pack of 5                                      | 44-5833EU |
| DO NOT OPERATE Lockout Tag - 1 piece in blister packaging for retail display | 44-833EU  |

## Marking Pen

- Fast-drying, permanent ink will not smear
- For use on lockout tags, write-on marker cards and write-on cable-tie marker plates



| Description             | Cat. No. |
|-------------------------|----------|
| Marking Pen w/black ink | K-7566   |

## IDEAL Pouch

- Durable zipped pouch
- Keeps your devices safe and helps preventing loss



| Description | Cat. No. |
|-------------|----------|
| IDEAL Pouch | IA-3240  |



# TEST & MEASUREMENT





TightSight® Clamp Meters 1000 & 660 Amp (770 & 760 Series)

- TightSight® bottom display
  - Tapered jaws with hook tip
  - Measures AC current
  - True RMS
  - AC/DC Voltage
  - Capacitance
  - Audible continuity
  - Frequency via clamp head or test leads
  - Resistance
  - High frequency rejection\*
  - Peak hold
  - Max/min hold
  - Data hold
  - Selectable audible and visual voltage alerts on AC/DC voltage functions
  - Selectable auto power off
  - Backlit display
  - Low battery indicator
  - 2-year warranty
- \*Reads accurately on noisy electrical circuits.



1000A Clamp  
(61-773)

| Description  | Cat. No. |
|--|----------|
| 1000AAC Clamp Meter w/<br>differentiating features | 61-773   |
| 1000A AC/DC Clamp Meter                            | 61-775   |
| 660AAC Clamp Meter                                 | 61-763   |
| 660A AC/DC Clamp Meter                             | 61-765   |

Includes: Carrying Case and Test Leads  
w/Crocodile Clips.



| Specifications | Range & Resolution |            |              |            | Accuracy       |
|----------------|--------------------|------------|--------------|------------|----------------|
|                | 61-773             | 61-775     | 61-763       | 61-765     |                |
| AC Current     | 0.0-999.9A         |            | 0.0-660.0A   |            | 2.0%           |
| DC Current     | —                  | 0.0-999.9A | —            | 0.0-660.0A | 2.0%           |
| AC Voltage     | 0.0-750.0V         |            |              |            | 1.0%           |
| DC Voltage     | 0.0-999.9V         |            |              |            | 1.0%           |
| Resistance     | 0.0-999.9Ω         |            |              |            | 1.5%           |
| Capacitance    | 0.0-999.9μF        |            |              |            | 5.0%           |
| Continuity     | 0.0-999.9Ω         |            |              |            | Audible @ <30Ω |
| Frequency      | 20.0-400.0Hz       |            |              |            | 0.5%           |
| Jaw Size       | 2" (51mm)          |            | 1.42" (36mm) |            | —              |

Test Leads



| Description                     | Cat. No. |
|---------------------------------|----------|
| Test Leads with crocodile clips | TL-770   |



660A Clamp  
(61-763)

Clamp Meters

## Clamp-Pro™ Clamp Meters 600 Amp (740 Series)

- Measures up to 600AAC
- Non-contact voltage indicator (70V-600VAC)
- Continuity
- Tapered jaws with hook tip
- Auto/manual ranging
- Data hold
- Auto power off
- Low battery indicator
- 2-year warranty

61-744



Compact jaw for use in tight locations.



| Description              | Cat. No. |
|--------------------------|----------|
| 600A Clamp Meter w/ TRMS | 61-746   |
| 600A Clamp Meter         | 61-744   |

Includes: Carrying Case and Test Leads.

### Specifications Range & Resolution Accuracy

|            |  | 61-744 & 61-746 |
|------------|--|-----------------|
| AC Current | 40.00/400.0/600A                               | 1.7%            |
| AC Voltage | 400.0/600 V                                    | 1.2%            |
| DC Voltage | 400.0/600 V                                    | 0.5%            |
| Resistance | 400.0/4.000k/ 40.00k<br>400.0k/4.000M/40.00M Ω | 1.0%            |

Jaw opening is 1.25" (32mm).

## Test-Pro® Multimeters (340 Series)

- Capacitance
- Frequency
- Temperature
- Voltage
- Current
- Resistance
- Audible continuity
- Relative mode
- Backlight
- Min/max
- Data hold
- Low battery indicator
- Auto power off
- 2-year warranty

61-342



| Description                 | Cat. No. |
|-----------------------------|----------|
| Test-Pro® Multimeter w/TRMS | 61-342   |
| Test-Pro® Multimeter        | 61-340   |

Includes: Test Leads and Thermocouple.



## Replacement Test Leads



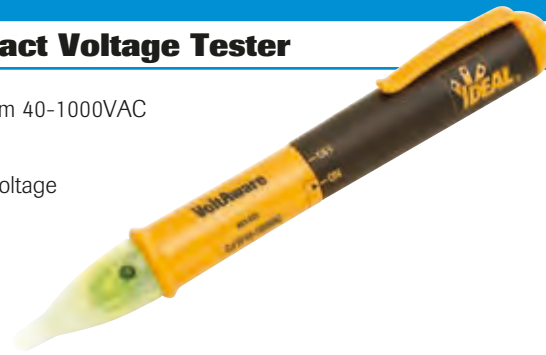
| Description                     | Cat. No. |
|---------------------------------|----------|
| Test Leads with crocodile clips | TL-770   |

### Specifications Range & Resolution Accuracy

|             |   | 61-340 & 61-342 |
|-------------|---|-----------------|
| AC Voltage  | 4.000/40.00/400.0/600 V                             | 1.5%            |
| DC Voltage  | 400.0m/4.000/40.00/400.0/600 V                      | 0.5%            |
| Current     | 400.0μ/4000μ/40.00m/400.0m/4.000/10.00A AC/DC       | 1.5%            |
| Resistance  | 400.0/4.000k/40.00k/400.0k/4.000M/40.00M Ω          | 1.0%            |
| Capacitance | 40.00n/400.0n/4.000μ/ 40.00μ/400.0μ F               | 3.0%            |
| Frequency   | 10.000/100.00/1.000k/10.00k/100.0k/1.000M/4.000M Hz | 0.3%            |
| Temperature | -4° F to 1382° F (-20° C to 750° C)                 | 3.0%            |

## VoltAware™ Non-Contact Voltage Tester

- Indicates presence of voltage from 40-1000VAC
- Visual indication of voltage
- Selectable audible indication of voltage
- Sleek, compact design
- Green LED indicates power on
- Low battery indicator
- Battery replacement (AAA size)
- 2-year warranty



| Description                           | Cat. No. |
|---------------------------------------|----------|
| VoltAware™ Non-Contact Voltage Tester | 61-025EU |



## Digital Light Meter

- Auto or manual ranging
- Measures in four ranges up to 20,000 FC or 200,000 Lux
- +/- 3% basic accuracy
- Data hold mode
- Max. reading mode
- Auto zero adjustment
- Low battery indication
- Auto power off
- Remote sensor with 59 in. (1.5m) cable



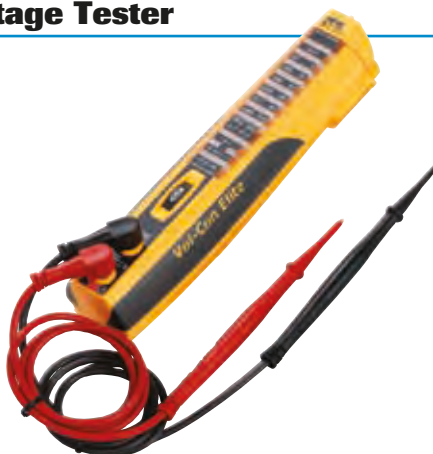
| Description         | Cat. No. |
|---------------------|----------|
| Digital Light Meter | 61-686   |

Includes: Carrying Case.



## Vol-Con® Elite Digital Voltage Tester

- Tests for AC Voltage from 24-600VAC
- Tests for DC Voltage from 6-220VDC
- Visual and audible warning
- Audible continuity
- Non-contact voltage indication (40-600VAC)
- Low impedance to eliminate ghost voltages
- Low battery indicator
- Replaceable GS38 compliant test leads
- Integral lead storage
- 2-year warranty



| Description                           | Cat. No. |
|---------------------------------------|----------|
| Vol-Con® Elite Digital Voltage Tester | 61-090EU |



### Accessories

| Includes                  |          |
|---------------------------|----------|
| GS38 Compliant Test Leads | TL-102EU |



## SureTrace™ Circuit Tracers

- Receiver display rotates automatically for easy viewing
- Identifies breakers and fuses with CertainCircuit™ detection
- Pinpoints opens and shorts
- Traces wires behind walls
- "0-99" display of signal strength
- Audible intensifies in tone/pitch
- Works on energised or de-energised circuits (0 - 600V AC/DC)
- Four modes of sensitivity – search high, search low, trace and breaker
- Peak detecting bar graph
- 2-year warranty



Scan for  
product video



61-955



After you identify and trip the correct breaker, the transmitter senses the loss of power and sends a different signal back to the receiver to give you confidence at the panel that the right circuit was de-energised.

The only  
circuit tracer with  
**SwivelDisplay™**



Energised



De-energised

Circuit Tracers

Transmitter will work on a de-energised circuit and won't affect RCD's and sensitive equipment on an energised circuit.



Transmitter and receiver take four standard AA batteries.

RC-959 Receiver

TR-955 Transmitter

RC-955 Receiver

**NEW**  
Enhanced  
Performance

Inductive Clamp &  
Battery Pack



Exclusive Rotating Display

Revolutionary technology in the receiver rotates the display in 90° increments so that you always receive an upright reading. Even when the receiver is pointing down, you can keep up.



Circuit Tracers

| Description  | Cat. No. |
|--|----------|
| Kit Includes: Rotating Display, Inductive Clamp and Battery Pack | 61-959   |
| Kit Includes: Rotating Display                                   | 61-957   |
| Kit Includes: Standard Display                                   | 61-955   |

Accessories

| Includes   |          |
|--|----------|
| Fuse – High-energy, Fast-acting, 1A/1000V              | F-956    |
| Magnetic Strap   | 61-565   |
| Replacement Lead Set UK (includes 1-6 below)           | TL-958UK |
| Replacement Lead Set EU (includes 1-6 below)           | TL-958EU |
| 1. Outlet Plug Adaptor for Transmitter (UK or EU)      |          |
| 2. Blade Prongs for Lead Adaptors (2/set)              |          |
| 3. Ground Prong for Lead Adaptor                       |          |
| 4. Crocodile Clips for Lead Adaptors (2/set)           |          |
| 5. 90 cm (3 ft.) Lead Adaptors for Transmitter (2/set) |          |
| 6. 7.5 m (25 ft.) Lead Adaptor for Transmitter         |          |
| Optional   |          |
| Cradle for Receiver*                                   | CR-959   |

\*Threaded for use on standard extension pole.

| Kit Contents         | 61-955 | 61-957 | 61-959 |
|----------------------|--------|--------|--------|
| Transmitter          | TR-955 | TR-955 | TR-955 |
| Receiver             | RC-955 | RC-959 | RC-959 |
| Tracer Test Lead Set | TL-956 | TL-956 | TL-956 |
| Inductive Clamp      |        |        | IC-958 |
| Battery Pack         |        |        | BP-958 |
| Hard Carrying Case   | C-955  | C-957  | C-959  |
| Batteries            | •      | •      | •      |
| Instruction Manual   | •      | •      | •      |

## Digital Circuit Breaker Finder & Socket Tester

- Locates breakers and fuses quickly and accurately
- Check polarity and easily identifies common wiring faults
- Verifies presence of power
- Visual and audible indicators
- Non-contact voltage sensor for 80 - 300 VAC
- Optional 61-184EU probe kit for testing at light fixtures
- Comes with soft carrying case
- 2-year warranty

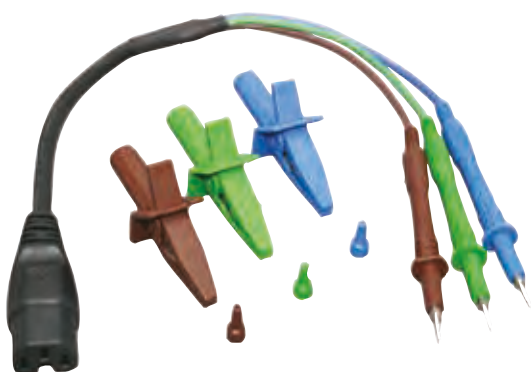
| Description   | Cat. No. |
|---|----------|
| Digital Circuit Breaker Finder & Socket Tester (includes carrying case) | 61-534EU |
| Crocodile Clip & Probe Set  | 61-184EU |

### Specifications

|                     | 61-534EU      |
|---------------------|---------------|
| Operating Voltage   | 200 - 250 VAC |
| Operating Frequency | 47 - 63 Hz    |



61-534EU



61-184EU





# DATAKOM/NETWORKS



## LanTEK® III Series Cable Certifier

Superior performance, revolutionary fibre options and outstanding value makes LanTEK® III the ultimate cable certification platform.

The LanTEK III is an easy to use cable certifier that meets existing TIA and ISO/IEC performance requirements for testing up to Cat. 7A/1000MHz.

Using the free IDEAL AnyWARE app, field technicians can share test data with colleagues or customers without leaving the jobsite, resulting in greater collaboration, more on-time job completions and reduced costs

- New troubleshooting features that save time and money – Locate hidden connections, splices and cable faults using Time Domain Return Loss (TDRL) and Time Domain Crosstalk (TDX).
- New permanent link adapter saves money – Reduce down time and lower maintenance costs with field replaceable RJ45 contacts.
- New FiberTEK III modules – Tier 1 certification of fibre cabling eliminates the need for additional fibre testers. Available on 500MHz and 1000MHz models (optional).
- Industry leading battery life – 18 hours of continuous testing without interruption.
- New test data software – Create powerful client reports quickly and easily from multiple testers using one PC application.
- Replaceable Cat 6A permanent link adapter tips – Reduces cost of ownership. Centred connectors provide minimal tolerance and are compatible with all RJ45 twisted pair cabling connectors (optional)

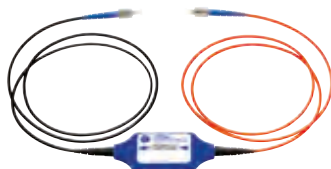


Scan for  
more information



## FIBERTEK® III

- FiberTEK III adapters are used with LanTEK III for fast and simple certification of high bandwidth single-mode and multimode fibre optic cabling including support for encircled flux testing (optional)
- Certification: Tier 1 certification of single-mode and multimode fibre optic cabling
- Troubleshooting: Red laser light source to visually pinpoint faults and locate fibre ports
- Encircled Flux compliance: Enables compliance to the new fibre standards IEC 14763-3 and ANSI/TIA 526-14-C (optional)
- Field calibration: Allows 1 and 3 jumper field calibration methods to ensure accuracy and compliance to IEC and ANSI/TIA standards
- Simplified bi-directional measurements: Eliminates process of manually merging directional tests into one record



| Description  | Cat. No.         | Description  | Cat. No.         |
|--|------------------|--|------------------|
| LanTEK III-500MHz – (test adapters to be ordered separately)   | <b>R161001*</b>  | FiberTEK III-MM LED Kit – Includes two multimode FiberTEK III modules                            | <b>R164005**</b> |
| LanTEK III-1000MHz – (test adapters to be ordered separately)  | <b>R161002*</b>  | FiberTEK III-SM Laser Kit – Includes two single-mode FiberTEK III modules                        | <b>R164006**</b> |
| LanTEK III-500MHz – (including PL adapters)  | <b>R161003**</b> | FiberTEK III-MM LED & SM Laser Kit – Includes two multimode and single-mode FiberTEK III modules | <b>R164007**</b> |
| LanTEK III-1000MHz – (including PL adapters)   | <b>R161004**</b> |  |                  |
| *Contents: LanTEK® III display and remote handset, Li-ion battery (2), universal power adapter (2), USB cable, headset (2), hanging strap (2), quick reference guide, carry case, USB Wi-Fi adapter (1). ** As under * but includes permanent link adapter - R161051 (2).  |                  |  |                  |
| **Contents: Lockable semi-rigid carrying case, SC, FC, ST adapters for modules (2 ea.), quick reference guide. (MM kit: SC-SC patch cords 6x 50µm MMF; SM kit: SC-SC patch cords 6x 9µm SMF, MM & SM Kit: SC-SC patch cords 6x 50µm MMF and SC-SC patch cords 6x 9µm SMF) compliant to ISO/IEC 14763-3 standard, quick reference guide, and electronic operation manual. |                  |  |                  |

## SignalTEK™ CT Data Cable Transmission Tester

If you install or maintain data cabling, SignalTEK CT allows you to generate PDF test reports that prove installed links run at Gigabit Ethernet transmission rates.

For installers, this means having a cost-effective way to demonstrate that the copper cabling was installed correctly and is capable of supporting Ethernet applications. By proving real world performance, SignalTEK CT confirms a professional job - reducing the risk of call backs.

SignalTEK CT also gives network owners the assurance that installed cabling will support bandwidth hungry services like VoIP, IP CCTV and video streaming following moves, adds and changes



## Testing as simple as 1-2-3



### Step 1 Test

- 8 user defined fields available
- Up to 50 individual jobs
- Job information automatically included in the test report documentation
- Enter job site information
- Perform autotest on copper cabling

### Step 2 Connect

- Activate SignalTEK CT wireless hotspot
- Connect your mobile phone or tablet with the IDEAL AnyWARE App
- Transfer test reports to your mobile device
- View test reports

### Step 3 Send

- Select reports (pdf or csv) to send
- Select preferred transfer method – email, ftp, cloud storage etc.
- Send file
- Alternatively save test reports to USB key

## Test Reporting

SignalTEK CT automatically generates test reports in PDF format.

The summary page of each report can be customised to include logo, company and operator details. The summary provides an overview for each link tested including date and time of test, the overall result of the wiremap and data tests, the Ethernet rates that the cable can support, and the individual and total cable lengths.


Detailed information relating to each tested link is reported on subsequent pages. This includes a graphical image of the wiremap, pass/fail information, length per pair, frame errors and data rate.

Scan for  
more information




| Description  | Cat. No. |
|--|----------|
| SignalTEK CT – Data Cable Transmission Tester.<br>Includes 1 x display, 1 x remote, 2 x NiMH batteries, 2 x patch cables - 30cm, Cat 5e STP, 2 x power supply with EU/UK/US adapters, 1 x user manual 1 x carry case | R156004  |





IDEAL NETWORKS



Test Engineer

John Smith

Ideal Networks

Main Street

Old Town

United Kingdom

Job

New School

High Street

New Town

United Kingdom

CAT5e UTP cable

Tested using IDEAL INDUSTRIES NETWORKS SignalTEK CT





Test Summary

The cables indicated below have been tested for wiring integrity and data performance according to the IEE 802.3ab Ethernet Standard


| Test Name | Date (mm/dd/yy) | Time (hh:mm) | Pairs Setup | Wiremap Test | Data Test | 10Mb/s | 100Mb/s | 1Gb/s | Length (m) |
|-----------|-----------------|--------------|-------------|--------------|-----------|--------|---------|-------|------------|
| 0001      | 03/01/10        | 00:40        | 4           | ✓            | ✓         | ✓      | ✓       | ✓     | 17         |
| 0002      | 03/01/10        | 00:50        | 4           | X            | ✓         | ✓      | ✓       | ✓     | 49         |

0001

Wiremap Test: ✓





|            |     |     |     |     |   |
|------------|-----|-----|-----|-----|---|
| Pair       | 1-2 | 3-6 | 4-5 | 7-8 |  |
| Length (m) | 18  | 18  | 18  | 17  |  |
|            |     |     |     |     |  |
|            |     |     |     |     |  |

Data Test: ✓


|                      |                     |             |                |   |
|----------------------|---------------------|-------------|----------------|---|
| Error Limit (Frames) | Duration (hh:mm:ss) | Rate (Mb/s) | Error (Frames) |   |
| 0                    | 00:00:10            | 1000        | 0              |  |

0002

Wiremap Test: X

|            |     |     |     |     |   |
|------------|-----|-----|-----|-----|---|
| Pair       | 1-2 | 3-6 | 4-5 | 7-8 |  |
| Length (m) | 50  | 49  | 49  | 49  |  |
|            |     |     |     |     |  |
|            |     |     |     |     |  |

Data Test: ✓

|                      |                     |             |                |   |
|----------------------|---------------------|-------------|----------------|---|
| Error Limit (Frames) | Duration (hh:mm:ss) | Rate (Mb/s) | Error (Frames) |   |
| 0                    | 00:00:10            | 1000        | 0              |  |



## SignalTEK™ NT Network Transmission Tester

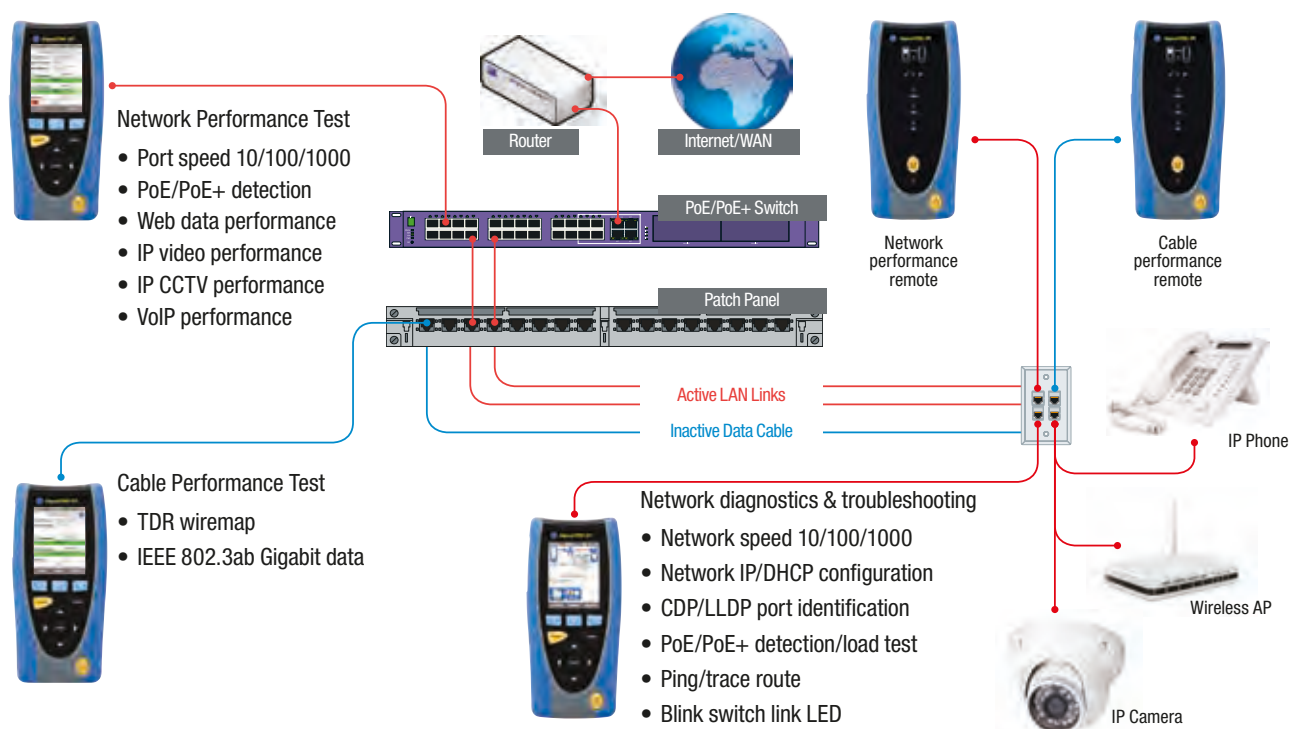
If you install, maintain or troubleshoot data cabling and Ethernet networks, SignalTEK NT allows you to prove the performance up to Gigabit Ethernet transmission rates. By simulating actual network traffic users are able to test and document network and data cable performance to Gigabit Ethernet standards.

Where system warranties are not required the SignalTEK NT is a cost effective way of proving your copper and fibre networks provide error-free performance. SignalTEK NT automatically generates test reports in PDF or CSV format.

Use the free IDEAL AnyWARE™ app from IDEAL Networks to view / send data cable and network test reports to colleagues and clients anywhere.



- Full Gigabit bi-directional load testing through hubs and switches
- Simulate network traffic generated by new IP devices to confirm network capacity before adding new devices like VOIP or CCTV
- Identify Ethernet, Power over Ethernet (PoE) and PoE+ issues, in addition to verifying Ethernet connectivity (including IPv4 and IPv6)
- Locate wiremap faults more quickly and accurately by testing every pin and pair, detecting split pairs and identifying the distance to fault
- Testing complies to the Gigabit Ethernet standard IEEE 802.3ab
- Identify network connection problems as hardware, network or configuration faults
- Ping local network devices and Internet URL's
- Port blink to visually trace cable from work area outlet to network switch
- Field replaceable RJ-45 contacts eliminate downtime from worn or damaged connectors



| Description   | Cat. No.       |
|---|----------------|
| SignalTEK NT - Network Transmission Tester.<br>Includes 1 x display, 1 x remote, 2 x NiMH batteries, 2 x patch cables - 30cm, Cat 5e STP,<br>2 x power supply with EU/UK/US adapters, 1 x USB Wi-Fi adapter, 1 x user manual,<br>1 x carry case | <b>R156003</b> |



## NaviTEK NT Network Troubleshooter

The NaviTEK NT is a network tester for troubleshooting and maintenance of active and passive copper and fibre networks. Incorporating an improved graphical interface NaviTEK NT allows network technicians to pinpoint and solve network connectivity issues faster than ever before. Subsequently, tests can be saved as pdf reports and shared with colleagues and clients using the free IDEAL AnyWare™ app.

NaviTEK NT offers a comprehensive suite of test and troubleshooting functionality only found on dedicated hand-held testers:-

- Copper and fibre test interfaces
- Fast detection of link and IP information
- Detects services such as ISDN, POTS and PoE
- Accurate wire mapping including length measurement and distance to fault
- Rugged, compact design permits use in confined spaces
- Not susceptible to virus and malware attack



### Port & network summary info



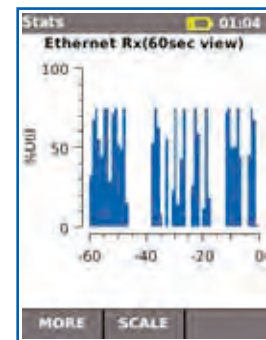
Press the Autotest button to display summary information

### VLAN detection & operation



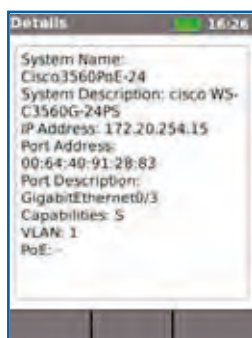
Automatic detection of VLAN ID's

### Ethernet utilisation



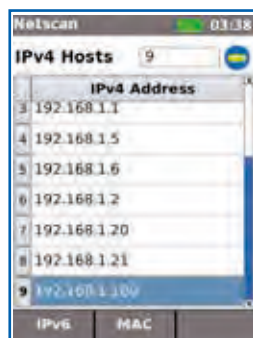
Real time display of broadcast network traffic

### CDP/LLDP/EDP port information



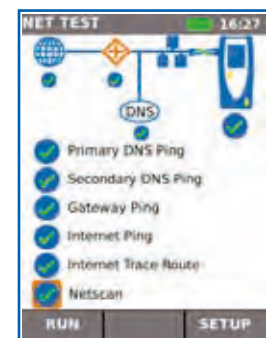
Show port information using Discovery Protocols.

### Netscan



Display list of IP and MAC addresses of every device connected to the network.

### Network Probe



View network illustration to verify test results of each network component.

| Description  | Cat. No.       |
|--|----------------|
| NaviTEK NT - 1 x NaviTEK NT test unit, 1 x Remote unit No. 1, 4 x AA dry cell batteries (non-rechargeable), 2 x Patch cables - 30cm, Cat. 5e STP, 1 x Quick reference guide, 1 x Carry case  | <b>R153001</b> |
| NaviTEK NT PLUS - 1 x NaviTEK NT Plus test unit, 1 x Remote unit No. 1, 1 x Rechargeable Power Module, 1 x PSU EU/UK/US adapters, 2 x Patch cables - 30cm, Cat. 5e STP, 1 x USB Wi-Fi adapter, 1 x Quick reference guide, 1 x Carry case | <b>R151003</b> |
| NaviTEK NT PRO - 1 x NaviTEK NT Pro test unit, 1 x Remote unit No. 1, 1 x Rechargeable Power Module, 1 x PSU EU/UK/US adapters, 2 x Patch cables - 30cm, Cat. 5e STP, 1 x USB Wi-Fi adapter, 1 x Quick reference guide, 1 x Carry case   | <b>R151004</b> |



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more information



## VDV II - Voice, Data and Video Verifier

The new VDV II Series are easy to use cable testers that check the integrity of copper cables commonly found in domestic, commercial or industrial voice, data or video installations, including telephone wiring, data network and video/security cabling.

Employing state-of-the-art technology, VDV II offers functionality not previously available in a wiremapper. The advanced wiremap engine accurately displays complex wiring faults instantaneously whilst TDR (Time Domain Reflectometry) aids troubleshooting and improves on-site productivity.

### More than just a wiremapper



#### VDV II

Performs standard tests for copper cabling, including:

- Coax, 6Pin (RJ11/12), 8Pin (RJ45) Connectors for Copper Cable Testing
- Wiremap for Miswires, Split Pairs, Shorts and Opens
- Analog Tone Generator
- Voltage Protection
- Shielded Cable Testing
- Single Screen Results



#### VDV II Plus

Additional features to the VDV II:

- Larger 2.9" Display
- Backlight
- Hub Blink
- Cable Length
- Distance to Open
- Carry Case & Cables



#### VDV II Pro

Additional features to the VDV II Plus:

- Distance to Open / Short (TDR)
- PoE Detection with Voltage Information
- Media Service Detection
- Ethernet Detection with Network Rate and Duplex Information

### Applications



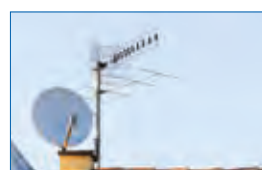
#### VOICE

Support for 1, 2 or 3-pair RJ11/12 telephone cable testing



#### DATA

Testing of shielded and unshielded Cat 5/5e/6/6A/7 LAN cable



#### VIDEO

Tests coax cable through F-connector interface



| Description   | Cat. No.       |
|---|----------------|
| <b>VDV II – Voice, Data and Video Cable Verifier.</b><br>Includes 1 x tester, 1 x dual port remote unit, 1 x coax remote unit, 1 x alkaline battery, 1 x multi-language user guide.   | <b>R158000</b> |
| <b>VDV II Plus – Voice, Data and Video Cable Verifier.</b><br>Includes 1 x tester, 1 x dual port remote unit, 1 x coax remote unit, 1 x alkaline battery, 1 x multi-language user guide, 2 x RJ45 to alligator clip cable 390mm, 2 x screened RJ45 to RJ45 cable 150mm, 2 x RJ11/12 to RJ11/12 cable 100mm, 1 x F-type plug to F-type plug cable 230mm, 1 x F-81 barrel splice, 1 x BNC female to F-type male adapter, 1 x BNC female to F-type female adapter, 1 x RCA female to F-type male adapter, 1 x RCA female to F-type female adapter, 1 x wallet wiring card, 1 x carry case. | <b>R158002</b> |
| <b>VDV II Pro – Voice, Data and Video Cable Verifier.</b><br>Includes 1 x tester, 1 x dual port remote unit, 1 x coax remote unit, 1 x alkaline battery, 1 x multi-language user guide, 2 x RJ45 to alligator clip cable 90mm, 2 x screened RJ45 to RJ45 cable 150mm, 2 x RJ12 to RJ12 cable 100mm, 1 x F-type plug to F-type plug cable 230mm, 1 x F-81 barrel splice, 1 x BNC female to F-type male adapter, 1 x BNC female to F-type female adapter, 1 x RCA female to F-type male adapter, 1 x RCA female to F-type female adapter, 1 x wallet wiring card, 1 x carry case.         | <b>R158003</b> |

For accessories like RJ45 remote units, RJ45 identifiers and Coax remote units, please check out page E-7.

Scan for  
more information





## FiberMASTER™ Fibre Optic Testers

The IDEAL FiberMASTER™ allows the user to measure absolute power and calculate the insertion loss of fibre optic links at several wavelengths. Measure fibre optic power in microwatts ( $\mu$ W), milliwatts (mW) and decibel-milliwatts (dBm) to test and troubleshoot active Local Area Networks. Plus the 1490nm wavelength measurement mode is perfect for troubleshooting emerging Fibre to the Home cabling systems.

- Tier 1 certification of multi-mode and single mode fibre optic cabling
- **Fibre Optic Power Meter & Light Source** — Four wavelength power meter for multimode and single mode testing, and 850nm multimode LED light source.
- **Calibration Function** — Stores reference power level for quick dB loss measurements eliminating the need to manually calculate loss.
- **Save Time and Money** — Power meter features 2.5mm universal and FC adapters, light source includes ST®, SC and FC adapters to test the most common interfaces.
- **Ready for FTTx** — 1490nm measurement wavelength for use with nearly all single mode Fibre-To-The-Home applications.
- **Designed for the Field** — Unique “docking” light source and easy three-button operation make this the perfect fibre tester for use in the field.

### FiberMASTER™ 33-928 Kit Includes:

- 33-926 Light source, 850nm LED with ST®, SC and FC adapters
- 33-927 Power meter, 4 wavelength with universal 2.5mm and fixed FC adapter
- 2x SC-SC 50 $\mu$ m multimode cables
- 1 SC calibration coupler
- Carrying case
- User manual in English, Spanish, German, French, Portuguese, Italian and Chinese
- 33-931 kit is supplied with quad light source



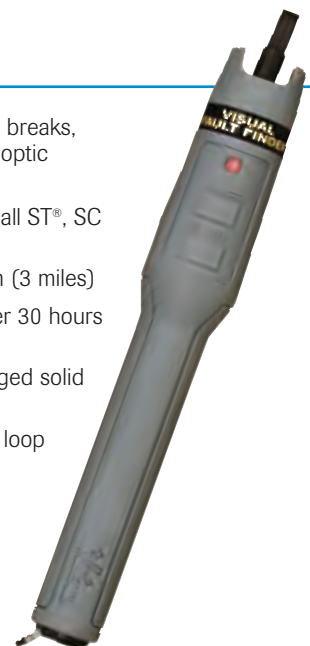
| Description   | Cat. No. |
|---|----------|
| Power meter with 850NM fibre light source (33-926 & 33-927)           | 33-928   |
| Power meter with four wavelength MM/SM light source (33-927 & 33-929) | 33-931   |



## Visual Fault Finder

Laser light source used to locate breaks, faulty splices and crimps in fibre optic cabling

- 2.5mm Universal Adapter for all ST®, SC and FC connectors
- Useful over a distance of 5km (3 miles)
- Two AA batteries provide over 30 hours of continuous use
- Slim, pocket-sized tool in rugged solid aluminum body
- Nylon carrying case with belt loop included



| Description         | Cat. No. |
|---------------------|----------|
| Visual Fault Finder | VFF5     |

Note: ST® is a registered trademark of AT&T.

## SecuriTEST™ PRO

CCTV installers often need to carry a variety of testing tools to complete their work.

**SecuriTEST™ PRO** combines the most-needed tools in one easy-to-carry package. Since all connections (video/communications/DMM) attach to a single unit, **SecuriTEST™ PRO** eliminates the need to juggle several devices while on a ladder or lift, making working conditions safer and increasing productivity.

**SecuriTEST™ PRO** includes IRE testing (video and sync levels), audio level testing, a high-capacity lithiumion battery in a package that's small and light.

The **SecuriTEST™ PRO** has all the features and functionality that CCTV technicians need to install, test and maintain analogue security camera systems. **SecuriTEST™ PRO** also includes a custom carrying case.



| Description                               | Cat. No. |
|---|----------|
| SecuriTEST™ PRO CCTV/Security Tester only | 33-892   |



## Tone & Probe Kit



### Amplifier Probe

- Identifies and traces wire or cables within a group
- Battery low indicator

### Tone Generator

- Emits three different types of tones
- Auto-off after three hours of non-use
- F-Connector port for toning & tracing coaxial CATV cabling systems
- Tone can be added in any status



| Description      | Cat. No. |
|------------------|----------|
| Tone Generator   | 62-160   |
| Amplifier Probe  | 62-164   |
| Tone & Probe Kit | 33-864   |

## Ratchet Telemaster™ RJ-11/RJ-45 Crimp Tool



- Pro quality ratcheting Telemaster™ Tool for RJ-45 and RJ-11 crimping modular plugs
- Gives repeatable crimp action for consistent, high quality connections
- For paired conductors
- Heavy-duty steel frame

| Description                                  | Cat. No. |
|--|----------|
| Ratchet Telemaster™ RJ-11/RJ-45 Crimp Tool   | 30-696   |
| Replacement Cut & Strip Blade Set for 30-696 | LA-4102  |

## LinkMaster™ Tester



Tests wiring configurations on UTP/STP cables. Checks for shorts, miswires, reversals and split pairs. Debug feature, automatic shut-off and low battery LED indication.

- Designed to test installed twisted pair wiring
- Tests unshielded and shielded modular plugs
- Main unit and remote allow one person testing

| Description                   | Cat. No. |
|-------------------------------|----------|
| LinkMaster™ Tester and Remote | 62-200   |



## Telemaster™ RJ-11/RJ-45 Crimp Tool



- Multi-function tool cuts, strips and crimps for easy one-tool application
- For paired conductors
- Steel frame for long-term durability. (Crimps primary modular plug strain relief only)

| Description  | Cat. No.   |
|--|------------|
| Tool for RJ-11 (1, 2, 3 pair) and RJ-45 (4 pair) Plugs | 30-496-001 |
| Replacement Cut and Strip Blade Set for Telemaster™    | LB-1747    |

\*Kit includes 10 each, RJ-45 8P8C, RJ-11 6P6C and RJ-11 6P4C modular plugs.



## Crimpmaster™ Crimp Tools & Die Sets

High quality ratchet-type crimp tool for electricians, contractors and installers who require guaranteed repeatability of good mechanical and electrical connections.

Dies change quickly and easily with a screwdriver. Interchangeable dies provide versatility in a single tool

**30-506**



Crimp release provides operator safety

Pressure adjustment for actuation force

Ratchet crimp action provides repeatable and reliable terminations

**30-559**

RJ-45 Eight-position crimp die set for keyed or non-keyed modular plugs



**30-579**

Die set for insulated terminals/colour coded nests 22-10 AWG (.3mm<sup>2</sup> - 5.3mm<sup>2</sup>)



**30-580**

Die set for non-insulated terminals 22-8 AWG (0.3mm<sup>2</sup>-8.0mm<sup>2</sup>)



**30-581**

Die set for RG-58, RG-59/62, BNC/TNC Coax Connectors (Hex, 0.255 (6.5mm), 0.213 (5.4mm), 0.068 (1.7mm))



**30-582**

Die set for F-type CATV RG-59, RG-6 Connectors (Hex, 0.350 (8.9mm), 0.320 (8.1mm), 0.255 6.5mm)



| Description   | Cat. No.      |
|---|---------------|
| Crimpmaster™ Crimp Frame Tool                                     | <b>30-506</b> |
| Die set for RJ-45 eight-position keyed or non-keyed modular plugs | <b>30-559</b> |
| Die set for insulated terminals/colour coded nests                | <b>30-579</b> |
| Die set for non-insulated terminals                               | <b>30-580</b> |
| Die set for RG-58, RG-59/62, BNC/TNC Coax Connectors              | <b>30-581</b> |
| Die set for F-type CATV RG-59, RG-6 Connectors                    | <b>30-582</b> |

## Punch Down Tool



- Insertion tool for Krone blocks
- For seating telecom and data cables into terminals

| Description                                       | Cat. No.      |
|---|---------------|
| Punch Down Tool (Insertion tool for Krone blocks) | <b>35-482</b> |

## PunchMaster™ Punch Down Tool

- Inserts and cuts cable terminations effortlessly
- Professional quality tool
- For seating telecom and data cables into terminals effortlessly
- Adjustable high/low actuation setting accommodates termination requirements
- Turn-Lock™ Style blade holding design
- Impact-absorbing cushioned grip reduces operator stress for high volume installers

**35-485**



**35-478**

| Description                                       | Cat. No.      |
|---|---------------|
| Punchmaster™ II Punch Down Tool w/110 & 66 blades | <b>35-485</b> |
| Removable Krone® Blade for 35-485                 | <b>35-478</b> |

Krone® is a registered trademark of Krone, Inc.

## OmniSeal™ PRO Compression Tool

The IDEAL OmniSeal™ PRO Compression Tool offers additional features and increased connector compatibility in a smaller, more compact tool designed to meet the demands of the professional installer.



Most other manufacturers compression connectors can be terminated with an easy plunger depth adjustment. The simple intuitive design combined with its size and universal connector acceptance makes this the only compression tool needed by professional installers.

- Factory preset to work with IDEAL compression connectors
- Compresses F-type, RCA, BNC and Mini connectors
- Adjustable to fit other manufacturer's connectors – no accessory adapters required

| Description                       | Cat. No. |
|-----------------------------------|----------|
| OmniSeal™ PRO XL Compression Tool | 30-793   |



## LinearX® Compression Tool Features

- Available in fixed and adjustable versions
- Compresses F/BNC/RCA connectors

A hinged hasp keeps the tool in a compact closed position when not in use

Handle has double dipped textured cushion grip for comfort and all-day use

One handed operation is possible with all compatible connectors.



LinearX3 adjustable post

Durable and rugged zinc die-cast body with a protective powder coated paint finish



## Compression Tools

- Available in fixed and adjustable versions
- Compresses F/BNC/RCA connectors
- Durable & rugged zinc die-cast body with protective powder coated paint finish
- Linear stroke for consistent compression results & easy operation
- Includes four RTQ™ RG-6 WeatherProof F-Compression Connectors

LinearX™3 adjustable post



INCLUDES  
4 RTQ™  
F-Connectors



| Description   | Cat. No. |
|---|----------|
| LinearX®3 F/BNC/RCA Compression Tool (Adjustable) with four RTQ™ F-Connectors | 33-632   |

## Connector & Tool Compatibility Chart

| Type | IDEAL Connector | OmniSeal™ Pro XL 30-793 | LinearX®3 33-632 |
|------|-----------------|-------------------------|------------------|
| F    | F 6 RTQ™        | ✓                       | ✓                |
|      | F 6Q RTQ™       | ✓                       | ✓                |
|      | F 6 RTQ™ 90°    | ✓                       | ✓                |
|      | F 59 RTQ™       | ✓                       | ✓                |
|      | F 6 NJX™        | ✓                       | ✓                |
|      | F 6Q NJX™       | ✓                       | ✓                |
| BNC  | BNC 59          | ✓                       | ✓                |
|      | BNC 59 90°      | ✓                       | ✓                |
|      | BNC 6 RTQ™      | ✓                       | ✓                |
| RCA  | RCA 6           | ✓                       | ✓                |

✓ No tool adjustment needed. ✓ Tool adjustment needed. — Not compatible.



## Hip Kit - 33-622

- Cut, strip and terminate F connectors in one handy starter tool kit
- Kit Includes:

LinearX®1 F-Compression Tool (Fixed)

45-074 Data T®-Cutter

45-605 PrePRO® Cable Stripper

Pouch with clip



## Compression Connectors



### **RTQ™ Reg/Tri/Quad F-Connectors**

- Fits 60% regular, tri-shield and quad shield cables
- Nickel-plated, brass-construction for superior corrosion resistance
- Designed for use in satellite and cable TV installations
- WeatherProof™ for indoor and outdoor use
- Use 30-793 or LinearX Compression Tools
- New INSITE™ 90° RG-6 F-Connector version available



### **INSITE™ BNC Connectors**

- Clear 360° window for confident cable insertions
- Nickel-plated, brass-construction for superior corrosion resistance
- Moisture-inhibiting design
- Use 30-793, 30-603 or 33-632 Compression Tool
- 75 Ohm nominal impedance
- Gold-plated pin contact area
- Available in plenum versions



### **NJX™ F-Connectors**

- 75 ohm nominal impedance
- Bandwidth up to 3 GHz
- Compatible with all IDEAL Compression Tools
- Compact body size
- RG-6 and RG-6 Quad versions



### **TLC™ F-Connectors**

- No compression tool required
- 75 ohm nominal impedance
- Bandwidth up to 3 GHz
- Compact body size
- RG-6 version



## NJX™ F-Compression Connectors

The new NJX™ (pronounced “injects”) compression connector offers a high performing, reliable and economical solution designed for applications that do not require weatherproof connectivity. NJX™ is also great for installers looking to upgrade from traditional hex crimp or twist-on coax F termination methods.

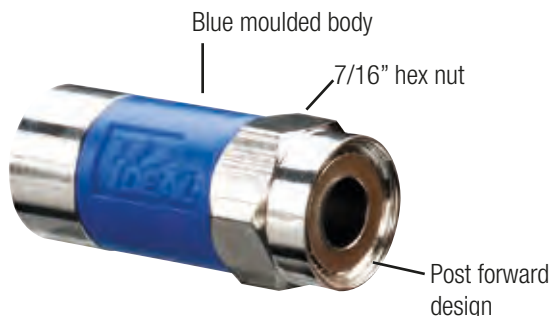
Available in F-Type interfaces for RG-6 and RG-6 Quad cables, the NJX™ connectors are an indoor cable specific alternate to the OmniConn™ series of products. NJX™ connectors require the same 6.5 mm x 6.5 mm (1/4" x 1/4") cable preparation and compression termination as all other IDEAL compression connectors.

Colour coded, injection moulded bodies make these connectors lighter, more compact, and more cost effective for installers. Unlike traditional compression connectors that get shorter when compressed, the NJX™ series connectors have a post-forward design, which during compression, is “injected” into the body of the connector. Although these connectors are shorter, they still utilise the same compression settings and stroke length as all IDEAL F-compression connectors. Once compressed, the cable is secured creating a permanent 360° compression ring on the cable. NJX™ connectors are designed for applications from 5MHz to 3GHz including CATV and satellite.

For outdoor/weatherproof or universal cable compression products, the RTQ™ series of compression products are recommended.



NJX™ RG-6



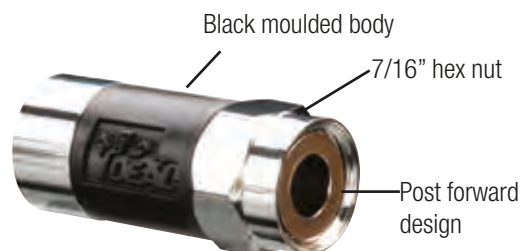
Blue moulded body

7/16" hex nut

Post forward design



NJX™ RG-6 Quad



Black moulded body

7/16" hex nut

Post forward design

## TLC™ Tool-Less Compression Connectors



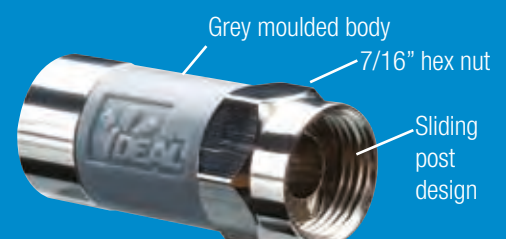
TLC™ RG-6

The new TLC™ (Tool-Less Compression) RG-6 F compression connector is our simplest, fastest and lowest total cost solution for installing compression connectors. Designed to save the installer **Time, Labour and Cost** when installing indoor RG-6 F-Type connections **no compression tool is required** to terminate these connectors.

The TLC™ connector is an indoor, cable specific alternate to the NJX™ series of products.

The TLC™ connector uses the standard 6.5 mm x 6.5 mm (1/4" x 1/4") cable preparation, that does not require a compression tool to complete the termination process. TLC™ series connectors feature a sliding post design to capture and secure the cable inside of the connector. After the cable is inserted, tightening the connector to the device completes assembly process, creating a 360° compression point and a permanent connection.

IDEAL F/BNC insertion tools (35-046, 35-042, 35-043) can be used (but are not required) when installing the TLC™ cable assembly to ensure connectors are properly torqued and fully seated to the female barrel. These connectors are designed for applications from 5MHz to 3GHz including CATV and satellite.












Grey moulded body

7/16" hex nut

Sliding post design

## Compression Connectors

| Model  | Type | Model            | Cable Type                        | Qty.       | Cat. No.      |
|--|------|------------------|-----------------------------------|------------|---------------|
|   | F    | RTQ™             | RG-59 /<br>Reg/Tri/Quad           | Card of 10 | <b>92-611</b> |
|  |      |                  |                                   | Jar of 50  | <b>92-610</b> |
|   | F    | RTQ™             | PF100/CT100/RG-6/<br>Reg/Tri/Quad | Card of 10 | <b>92-651</b> |
|  |      |                  |                                   | Jar of 50  | <b>92-650</b> |
|   | F    | TLC™             | RG-6                              | Card of 10 | <b>85-068</b> |
|  |      |                  |                                   | Card of 50 | <b>85-168</b> |
|   | F    | NJX™             | RG-6                              | Card of 10 | <b>89-040</b> |
|   | F    | NJX™             | RG-6 Quad                         | Card of 10 | <b>89-041</b> |
|   | F    | InSITE™ RTQ™ 90° | RG-6                              | Card of 5  | <b>92-691</b> |
|   | BNC  | InSITE™ 90°      | RG-59                             | Card of 5  | <b>92-693</b> |
|   | BNC  | InSITE™ RTQ™     | RG-6                              | Card of 15 | <b>89-048</b> |
|  | BNC  | InSITE™          | RG-59                             | Card of 15 | <b>89-047</b> |

### 1GHz Cable Splitters

- Nickel-plated housing, soldered back
- High-performance impedance - balanced Printed Circuit Board design
- Bandwidth: 5MHz - 1 GHz Impedance: 75 Ω; Splits signals up to 8 outlets



| Description                                       | Cat. No.      |
|---|---------------|
| High Performance Cable Splitter, 5MHz-1GHz, 2-Way | <b>85-132</b> |
| High Performance Cable Splitter, 5MHz-1GHz, 4-Way | <b>85-134</b> |

All IDEAL compression connectors require a standard 6.5 mm x 6.5 mm (1/4" X 1/4") cable preparation. This preparation leaves 6.5 mm (1/4") of the centre conductor exposed and an additional 6.5 mm (1/4") of the shielding exposed.

Prep tools are available in single, two or three blade models. Two blade models are the most commonly used type of stripping tool for coax compression as they remove both 6.5 mm (1/4") sections at one time during the prep. Single blade models require two separate stripping actions for compression preparation.

IDEAL has several models of cable preparation tools that are compatible with compression connectors, each having various feature choices such as user adjustable blade depths, replaceable blades, number of active blades, product size and hand motion required to prep the cable.

### Compression Cable Prep Instructions



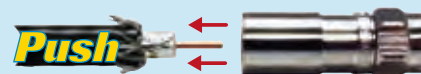
Start with a clean piece/fresh cut of coax.



Prep/strip cable to size.



Fold back braiding. Leave inner foil intact.



Check for flush dielectric and no visible wrapped braiding strands.



Fully compress the connector with appropriate tool.



Connect to device. Use the F/BNC insertion tool if needed to reach proper tightening torque.

## FT-45™ Modular Plug Crimp Tool



The FT-45™ is a simple, compact and highly effective crimp tool for installers and technicians that terminate RJ45 connectors regularly.

- Quality - Cleanly shears the excess conductors and leaves a smooth, flat finish
- Versatile - Suitable with Feed-Thru, standard, or shielded connectors (CAT5e or CAT6)
- Heavy duty - Cutting blade that will last for over 2,000 cuts
- Ergonomic - Reduced hand force compared to traditional crimp tools
- Compact - Easily fits in your pocket and lightens the tool bag load
- Easy to use - 568A & 568B wiring scheme marked on the tool
- Easily maintained - Replaceable cutting blades available
- Patented design - Patent pending design requires less than ½ of the mechanical force to crimp connectors. No ratchet needed.
- A patent pending design enables conductors to be cut flush with the end face of the connector when used with the FT-45™ tool

| Description                              | Cat. No.       |
|--|----------------|
| FT-45™ Feed-Thru Modular Plug Crimp Tool | <b>30-495</b>  |
| FT-45™ Replacement Blade                 | <b>30-4951</b> |

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



**Cat 5e**



**Cat 6**

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

| Description                         | Qty. | Cat. No.      |
|-------------------------------------|------|---------------|
| CAT5e Feed-Thru RJ-45 Modular Plugs | 25   | <b>85-370</b> |
| CAT5e Feed-Thru RJ-45 Modular Plugs | 50   | <b>85-371</b> |
| CAT5e Feed-Thru RJ-45 Modular Plugs | 100  | <b>85-372</b> |
| CAT6 Feed-Thru RJ-45 Modular Plugs  | 25   | <b>85-375</b> |
| CAT6 Feed-Thru RJ-45 Modular Plugs  | 50   | <b>85-376</b> |
| CAT6 Feed-Thru RJ-45 Modular Plugs  | 100  | <b>85-377</b> |

## Modular Plugs



**85-346  
RJ-45**



**85-344  
RJ-11**

- 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.

| Description                 | Qty. | Cat. No.      |
|-----------------------------|------|---------------|
| 8-Position 8-Contact, RJ-45 | 25   | <b>85-346</b> |
| 6-Position 6-Contact, RJ-11 | 25   | <b>85-345</b> |
| 6-Position 4-Contact, RJ-11 | 25   | <b>85-344</b> |

## CAT 6 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.      |
|---------------------------|------|---------------|
| CAT 6 RJ-45 Modular Plugs | 25   | <b>85-366</b> |

## 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   | <b>85-380</b> |



## UTP/STP/Coaxial Cable Strippers

- Adjustable blades can be set for any depth to help ensure nick-free stripping and slitting of cables



45-164



45-162

45-163

45-165

| Description   | Typical RG Cables  | Cat. No.              |
|---|--------------------|-----------------------|
| Coaxial Cable Stripper, up to 1/8 in. (3.2mm) O.D.                | RG-174, RG-187     | <b>45-162</b> (Grey)  |
| Coaxial Cable Stripper, 1/8 in. (3.2mm) to 7/32 in. (5.56mm) O.D. | Mini Coax RG-58,CB | <b>45-163</b> (Blue)  |
| Coaxial Cable Stripper, 1/4 in. (6.4mm) to 9/16 in. (14.3mm) O.D. | RG-11, RG-8        | <b>45-164</b> (Blue)  |
| Cable Stripper, 3/16 in. (4.8mm) to 5/16 in. (8mm) O.D.           | RG-59/6, UTP Cable | <b>45-165</b> (Black) |
| Replacement Blade Set* for 45-162, 45-163, 45-165                 | —                  | <b>L-9225</b>         |
| Replacement Blade Set* for 45-164                                 | —                  | <b>L-9226</b>         |

\*A set of blades consists of three straight blades and one round blade.

## Coax Stripper

- Specific adjustments needed for each cable size
- For crimp BNC and TNC connectors
- Strips braid 0.240 in. or 6mm and dielectric 0.240 in. or 6mm



| Description  | Cat. No.      |
|--|---------------|
| Coax Stripper - 3 Step <ul style="list-style-type: none"> <li>For crimp BNC and TNC connectors</li> <li>Strips braid 0.240 in. or 6mm and dielectric 0.240 in. or 6mm</li> </ul> | <b>45-520</b> |

## Kinetic Super™ Wire Stripper/Crimper

- Cuts and strips 22 to 24 AWG
- Crimps IDC Connectors



| Description   | Cat. No.      |
|---|---------------|
| Kinetic Super™ Wire Stripper/Crimper Kit – includes 25 IDC's (UR-I, 3-Wire Butt Splice) | <b>33-719</b> |

## Insulation Displacement Connectors (IDC)



85-900

85-925

85-950

IDC connectors create fast splice and tap connections on solid copper wires. Designed for low voltage telecommunication cables.

- Moisture-resistant sealant protects wires from corrosion
- Use with solid copper single-conductor wire
- Kinetic Super™ Wire Stripper/Crimper easily cuts and strips 22 to 24 AWG solid wire

| Description                  | Qty. | Cat. No.      |
|------------------------------|------|---------------|
| UR-I, 3-Wire Butt Splice IDC | 25   | <b>85-925</b> |
| UR-I, 3-Wire Butt Splice IDC | 100  | <b>86-925</b> |
| IDC Combo Pack               | 25   | <b>85-960</b> |
| UY-I, 2-Wire Butt Splice IDC | 25   | <b>85-950</b> |
| UB-I, 2-Wire Tap Splice IDC  | 25   | <b>85-900</b> |

## PrepPRO™ Coax/UTP Cable Stripper

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



| Description                      | Cat. No.      |
|----------------------------------|---------------|
| PrepPRO™ Coax/UTP Cable Stripper | <b>45-605</b> |

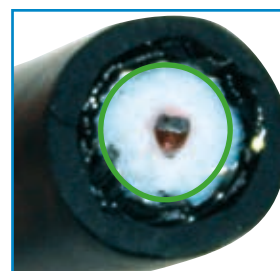
## Data T®-Cutter



- Cuts round communication cable and maintains cable geometry for better cable performance
- Cuts multi-pair cable up to .500 in. (12.7mm) and coaxial cable up to RG-9/U
- Suitable for soft cables (not steel reinforced)
- Steel reinforced centre conductors can be trimmed with bolt cutting holes
- Locking latch keeps tool closed in pouch

| Description    | Cat. No. |
|----------------|----------|
| Data T®-Cutter | 45-074   |

**Good Round dielectric**



**Bad Oval dielectric**



## Network Tester Accessories

| Description   | Cat. No. |
|---|----------|
| SignalTEK NT / NaviTEK NT remote kit #2-#12                                 | 150050   |
| SignalTEK NT / NaviTEK NT remote #1   | 150054   |
| SignalTEK NT / NaviTEK NT Cat 5e STP patch cables (2)                       | 150055   |
| SignalTEK NT / NaviTEK NT duplex multi-mode patch cable                     | 150056   |
| SignalTEK NT / NaviTEK NT duplex single mode patch cable                    | 150057   |
| SignalTEK NT / NaviTEK NT RJ-45 insertion/removal tool and 10 RJ-45 inserts | 150058   |
| SignalTEK NT / NaviTEK NT active remote kit #2 - #6                         | 150059   |
| SignalTEK NT / NaviTEK NT power supply with EU/UK/US adapters               | 151051   |
| SignalTEK NT / NaviTEK NT alkaline battery module                           | 151052   |
| SignalTEK NT NIMH power module  | 151053   |
| NaviTEK NT carrying case  | 151054   |
| SignalTEK NT carrying case  | 156050   |
| VDV II RJ-45 remote kit #1 - #12  | 158050   |
| VDV II RJ-45 identifier kit #1 - #24  | 158051   |
| VDV II coax remote kit #1 - #12   | 158053   |
| SignalTEK NT / NaviTEK NT 1310nm single mode SFP module                     | MGK LX2  |
| SignalTEK NT / NaviTEK NT 850nm multi-mode SFP module                       | MGK SX1  |
| SignalTEK NT / NaviTEK NT 1550nm single mode SFP module                     | MGK ZX3  |



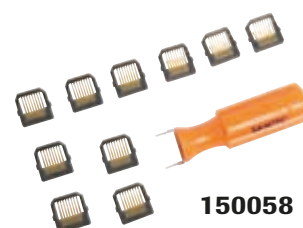
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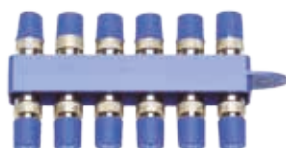
158051



158053



150058



158055

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# Merchandising

**Point-of-purchase communication** is an important aspect of IDEAL sales strategy. We are committed to helping our distributors move our products off their shelves. To do that, we've developed a variety of exciting, useful ways to increase a store's association with IDEAL and to build repeat customers.



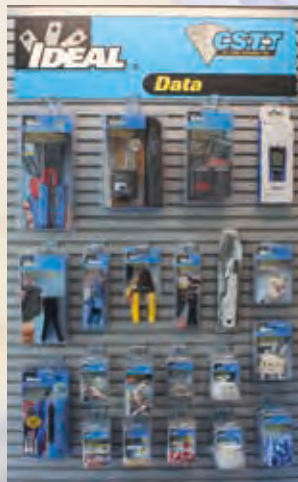
Counter Top Displays



## WIRE CONNECTOR DISPLAYS

IDEAL offers a range of merchandising solutions to display pre-defined or custom profiles of push-in, lever wire, SpliceLine and twist-on wire connectors.

Options include floor standing and more compact counter/shelf display units, each designed to create high impact and drive impulse sales.



## DATACOM PROFILE

IDEAL offers a complete solution for the network / data installer.

Our range includes tools, connectors and network testers - cut, strip, terminate and test coaxial and twisted pair cables.

Each profile is supported by POS materials including header boards and posters to create displays within displays.



## LOCKOUT KITS

Lockout kits are merchandised using this high impact backing board.

Designed to display the most popular lockout kits, this backing board fits on any configuration of slat wall. It also drives additional sales of lockout/tagout products such as safety padlocks and spare MCB lockout devices.



## POSTERS

Using posters is an effective way to create more interesting and eye catching displays.

IDEAL offers a range of posters designed to support products on display and generate product awareness and incremental sales on non-stocked products.



## 1M DISPLAY STAND

A 1m metal slat wall display stand is available to support the merchandising and sales of IDEAL products.

These illuminated stands are perfect for displaying a range of core IDEAL profiles such as lockout kits, DataCom, wire connectors and cable installation products.

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