IDEAL®

Wire Connectors

# Innovation with a Purpose.



## Wire Connector Brochure

VISION. PERFORMANCE. SERVICE.

SINCE 1916

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**IDEAL Connectors are available in:**




**Box:** For smaller jobs.




**Store 'N Pour™ Jar:**
Easy-pour design keeps connectors clean and your shelf organised.




**Connector Kits:** These re-usable divider boxes contain a selection of our most popular wiring connectors.




**Barrel:** For really big jobs when you can't afford to run out of connectors.

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## IDEAL Wire Connectors


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Our comprehensive range contains the connectors you need for an easier, more efficient job. That's why day in and day out, professionals like you are choosing

# IDEAL. THE BRAND ELECTRICIANS TRUST.

IDEAL connectors provide safe, dependable solutions for every wiring application.

Designed to exacting European safety standards and fully compliant with UK Wiring Regulations, IDEAL manufactures a connector that's right for every job.

For over 95 years, IDEAL INDUSTRIES has been supplying quality electrical products to professional installers around the world.

IDEAL®

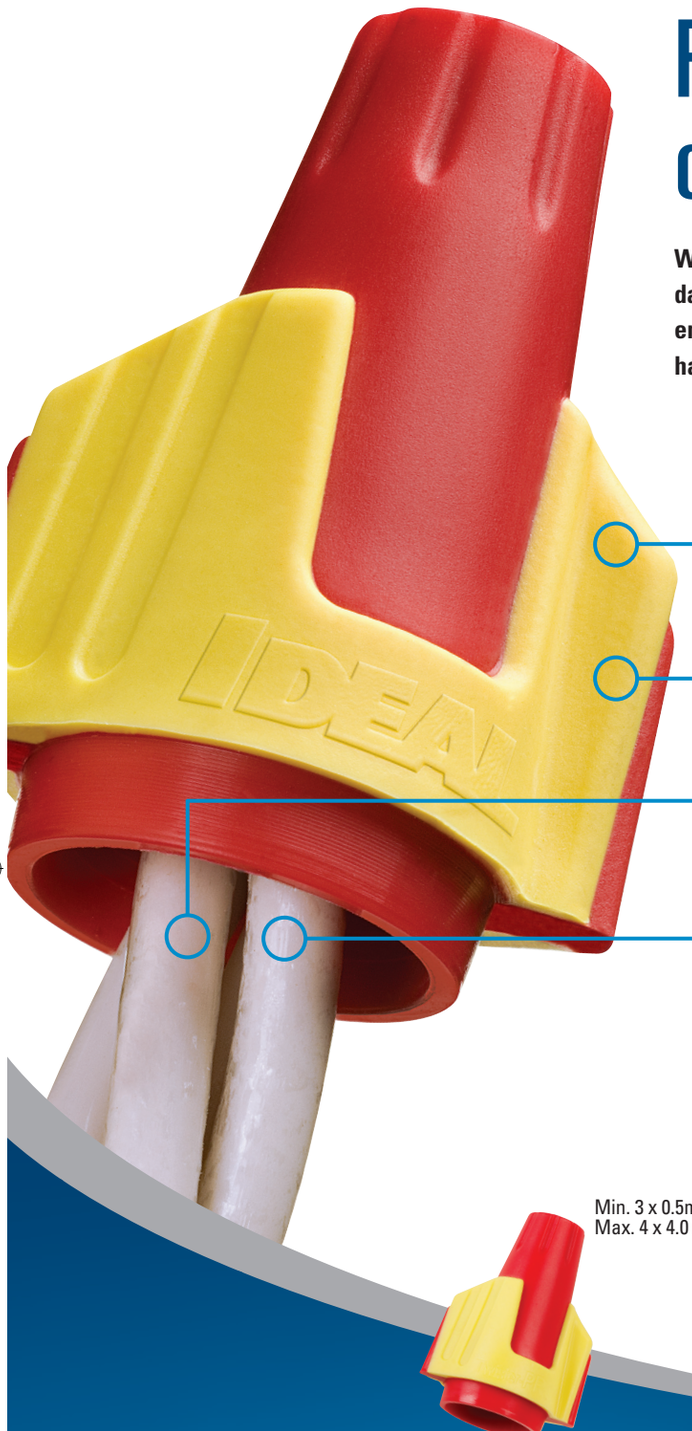
**Wire Connectors**



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# For ultimate comfort and optimum wire range

**When you've got an installation where you'll be making connections all day, the Twister® PRO is the connector you want. The SureGrip™ design ensures improved torque while the comfortable swept wings ease hand fatigue. You'll feel the difference immediately.**




- Patented SureGrip™ overmoulding provides improved leverage and more torque
- Better grip and more leverage for faster connections
- Accepts solid and stranded wires
- Exceptional wire range and capacity; up to max. 4 x 4.0mm²

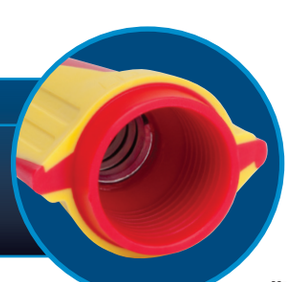


Min. 3 x 0.5mm²
Max. 4 x 4.0 mm²

Twister® PRO

**FAST FACT:**

*A patented square wire spring bites on the first 360° turn ensuring a secure connection that will not relax over time.*



BS 7671:2008 (17th Edition) Compliant

Made in U.S.A. of U.S. and global components

UL LISTED Wire Connector System 5N35 | Cu/Cu Only | LR9706

**Twister® PRO Wire Connector:**

**Ratings & Wire Size Combinations**

| | | | | 0.5 mm² | | 1.0 mm² | | 1.5 mm² | | 2.5 mm² | | 4.0 mm² | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Colour | Strip Length | Rating | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| 344 | Red/Yellow | 13 mm | 32A/600V | 3 | 10 | 2 | 9 | 2 | 8 | 1 | 6 | 1 | 4 |

| | Twister® PRO |
|---|---|
| Standard | BS EN 60998-1:2004<br>BS EN 60998-2-4:2005 |



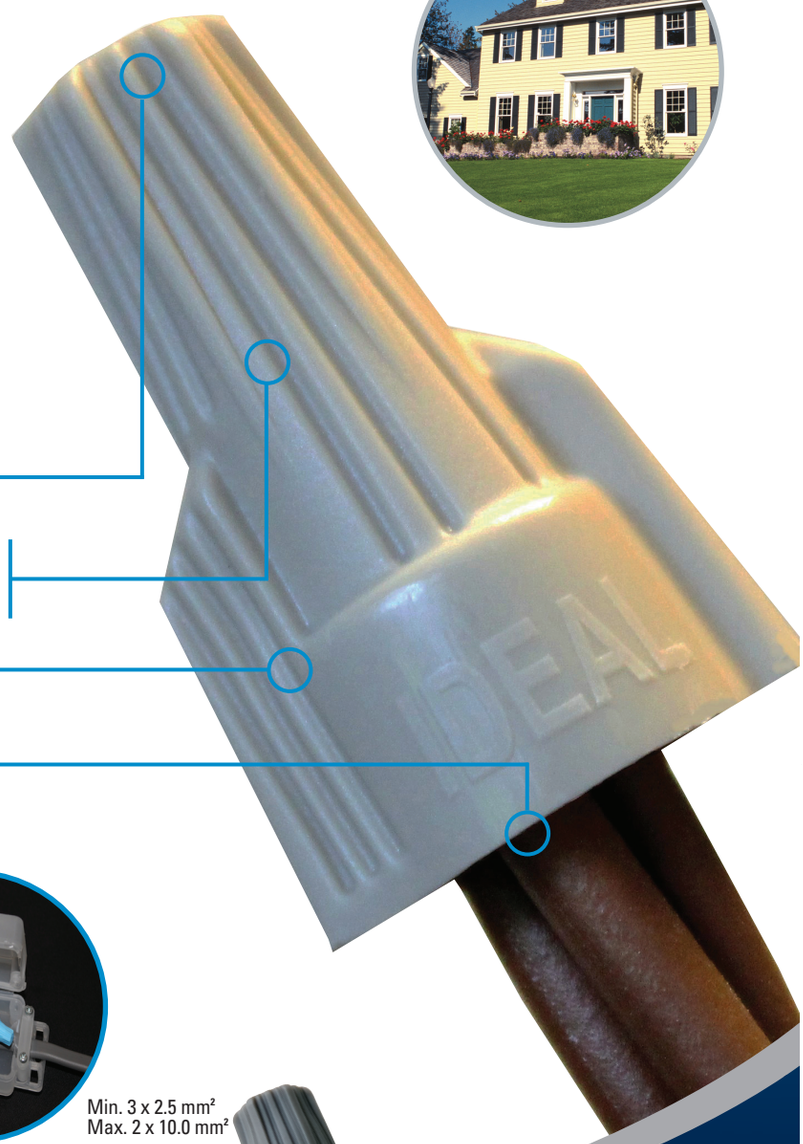
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# The No. 1 wiring connector



**The Twister® easily handles the most common wiring tasks. A patented, expanding square-wire spring always ensures a quick, safe connection.**

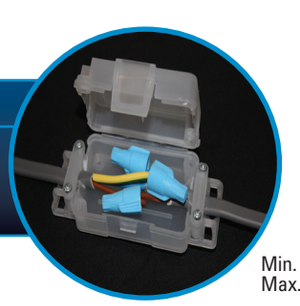
**A cost-effective solution, the Model 341 Twister® connector accepts both stranded and solid wire from 0.5mm² up to 6.0mm² allowing one connector to do the job traditionally done by separate 5A, 15A and 30A terminal blocks.**




Twister®

**FAST FACT:**

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






Made in U.S.A. of U.S. and global components

BS 7671:2008 (17th Edition) Compliant

UL LISTED Wire Connector 774A

Cu/Cu Only

LR9706

Twister® WIRE CONNECTORS

## Twister® Wire Connectors:

**Ratings & Wire Size Combinations**

| Model | Colour | Strip Length | Rating | 0.5 mm² Min | 0.5 mm² Max | 1.0 mm² Min | 1.0 mm² Max | 1.5 mm² Min | 1.5 mm² Max | 2.5 mm² Min | 2.5 mm² Max | 4.0 mm² Min | 4.0 mm² Max | 6.0 mm² Min | 6.0 mm² Max | 10.0 mm² Min | 10.0 mm² Max |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 340 | Lt. Blue | 10 mm | 32A/450V | 2 | 8 | 1 | 5 | 1 | 4 | 1 | 3 | 1 | 2 | n/a | n/a | n/a | n/a |
| 341 | Tan | 13 mm | 41A/600V | 3 | 6 | 2 | 6 | 2 | 6 | 1 | 5 | 1 | 3 | 1 | 2 | n/a | n/a |
| 342 | Grey | 16 mm | 57A/600V | n/a | n/a | n/a | n/a | n/a | n/a | 3 | 8 | 2 | 6 | 2 | 4 | 1 | 2 |

| | Twister® |
|---|---|
| Standard | BS EN 60998-1:2004<br>BS EN 60998-2-4:2005 |



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# Connected and protected

**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.**







**Easy to apply, pre-filled twist-on wire connectors**

**Swept wing design is built for comfort and efficiency**

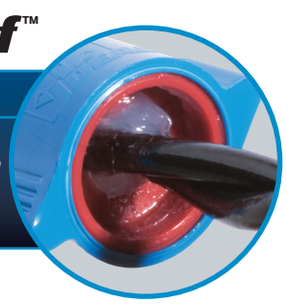
**UL Listed to 486D/IP55 for use in damp or wet above-ground locations**

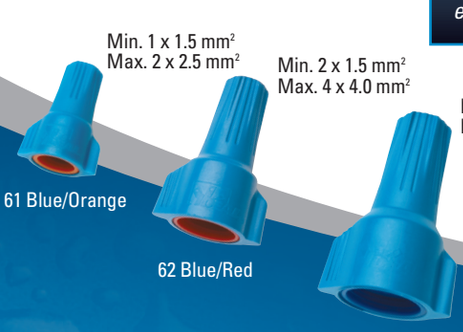


## WeatherProof™

**FAST FACT:**

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






BS 7671:2008 (17th Edition) Compliant

Made in U.S.A. of U.S. and global components

LISTED Wire Connector System 5N35 Cu/Cu Only LR9706

**Ratings & Wire Size Combinations**

| | | | | 1.5 mm² | | 2.5 mm² | | 4.0 mm² | |
|---|---|---|---|---|---|---|---|---|---|
| Model | Colour | Strip Length | Rating | Min | Max | Min | Max | Min | Max |
| 61 | Blue/Orange | 10 mm | 24A/450V (IP55) | 1 | 2 | 1 | 2 | n/a | n/a |
| 62 | Blue/Red | 16 mm | 32A /450V (IP55) | 2 | 6 | 1 | 5 | 1 | 4 |
| 63 | Blue/Dr. Blue | 16 mm | 32A /450V (IP55) | n/a | n/a | 3 | 6 | 2 | 6 |

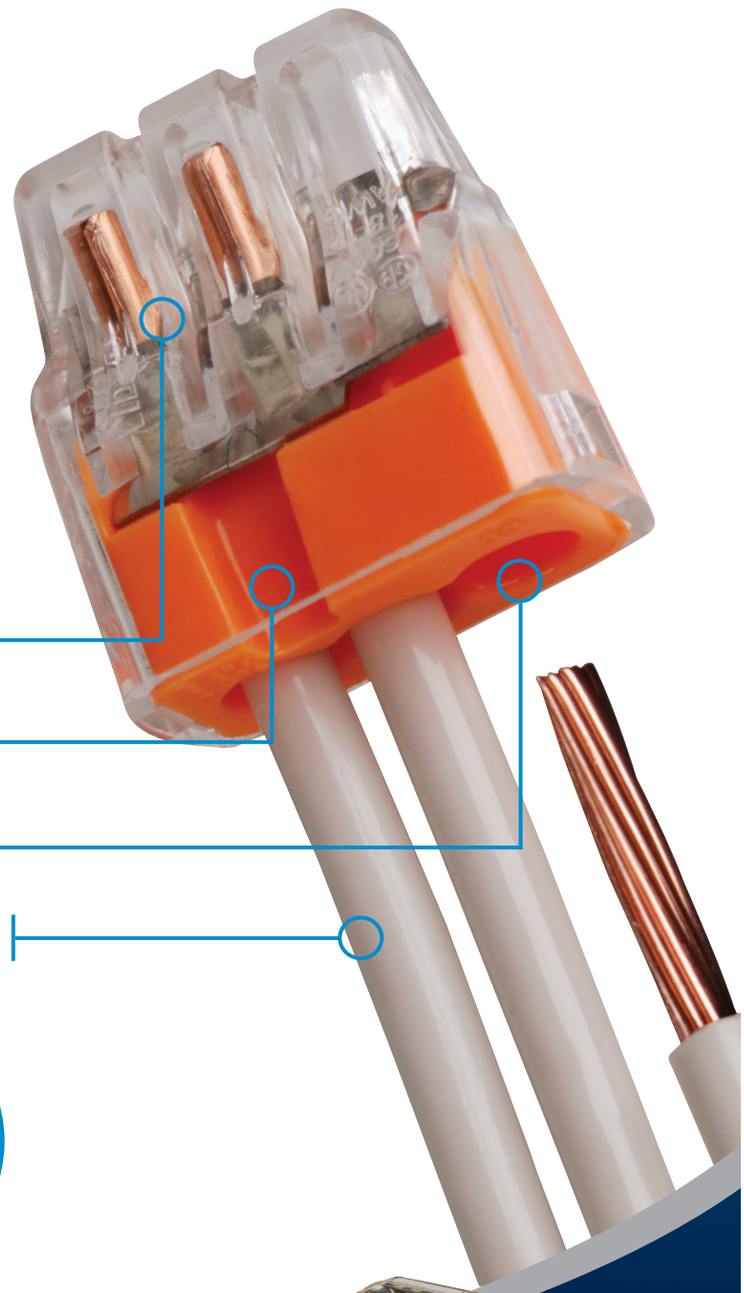
| | WeatherProof™ |
|---|---|
| Standard | BS EN 60998-1:2004<br>BS EN 60998-2-4:2005 |



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# Strip, Push, Connect. The fastest way to make a connection

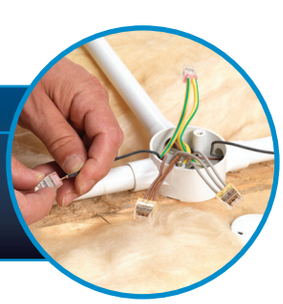
**The In-Sure™ Push-In wire connector can reduce installation time by up to 50% compared to more traditional connection methods such as terminal blocks. Classified as "Maintenance Free", In-Sure™ connectors are the perfect replacement for crimped splices. The fastest, easiest, push-in connector on the market.**




**In-Sure™**

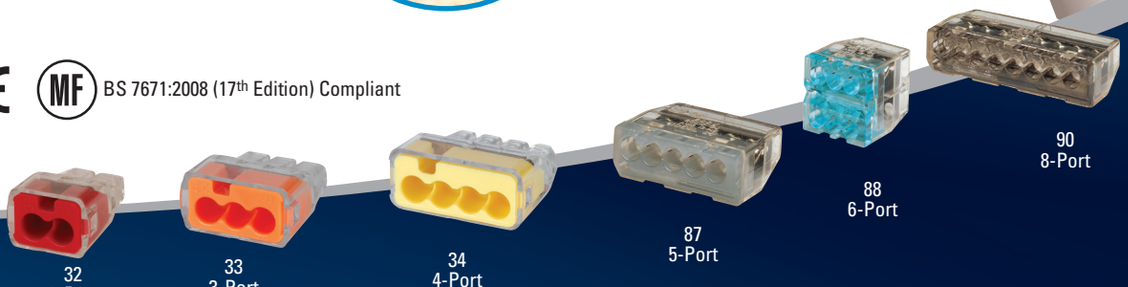
**FAST FACT:**

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



Made in U.S.A.

BS 7671:2008 (17th Edition) Compliant




UL LISTED Wire Connector 774A
Cu/Cu Only
LR9706

**In-Sure™ Models 32, 33, 34:**

| Standard | BS EN 60998-1<br>BS EN 60998-2-2 |
|---|---|
| Amperage / Voltage | 32A / 450V |
| Wire Range Solid | 0.75mm²-4.0mm² |
| Wire Range Stranded | 1.5mm²-2.5mm² * |

* Stranded wire is limited to semi-rigid i.e. ≤ 7 strands

**In-Sure™ Model 87, 88 & 90:**

| Standard | BS EN 60998-1<br>BS EN 60998-2-2 |
|---|---|
| Amperage / Voltage | 24A / 450V |
| Wire Range Solid | 0.75mm²-4.0mm² |
| Wire Range Stranded | 1.5mm²-2.5mm² * |

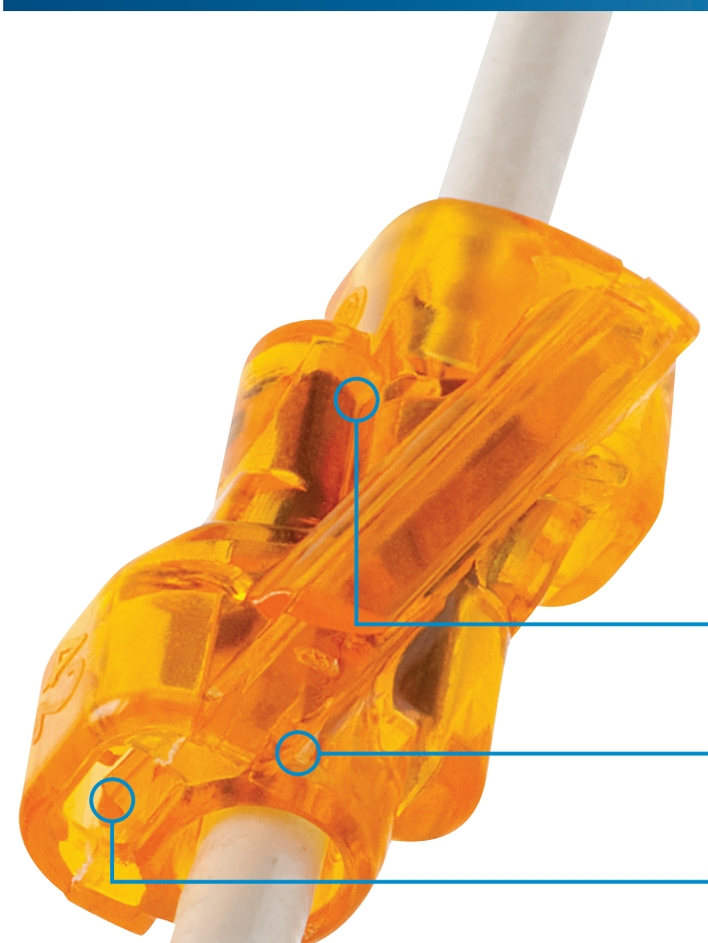
* Stranded wire is limited to semi-rigid i.e. ≤ 7 strands



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# A great alternative to the butt-splice

**The SpliceLine™ in-line wire connector provides a crimp-free, solderless butt-splice. Classified as "Maintenance Free" as per BS 7671:2008, the two-port model accepts up to 2.5mm² wire, allowing one connector to do the job of multiple butt-splices. Its end-to-end connection is also a great solution for pre-fab operations.**



- Transparent polycarbonate shell allows for visual inspection of connection
- Slim design easily fits through holes in metal back boxes
- Check port for continuity testing

SpliceLine™
IN-LINE WIRE CONNECTORS

**FAST FACT:**

*Perfect for lengthening short wires, the SpliceLine™ is 2X faster than traditional butt-splices.*





42
2-Port

BS 7671:2008 (17th Edition) Compliant

Made in U.S.A.

UL LISTED Wire Connector 774A — Cu/Cu Only — SP LR9706

**SpliceLine™ Model 42:**

| | |
|---|---|
| Standard | BS EN 60998-1<br>BS EN 60998-2-2 |
| Amperage / Voltage | 24A / 450V |
| Wire Range Solid | 0.5mm²-2.5mm² |

**Available Winter 2011**



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# Maximum performance for data and telecom networks

**Designed for low voltage telecommunications cables, IDC connectors (Jelly Beans) provide a simple, economical and reliable means of jointing solid copper wires. They do not require the insulation to be stripped, making the connection quick and easy.**

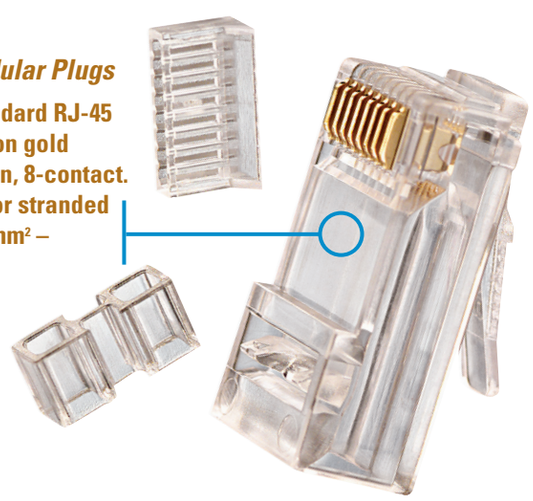
**IDEAL's range of RJ-11 and RJ-45 modular plugs can be used with your choice of cabling and are capable of supporting the latest ISO and EIA/TIA cable system performance categories. Compatible with standard crimp tools all plugs work with 0.2mm² (24 AWG) solid or stranded conductors and round or flat cables.**

**CAT 6 / ISO Class E RJ-45 Modular Plugs complete the line and are designed for high speed applications. The unique 3-piece design features wire management components to maintain the cable integrity, helping to ensure optimal performance and easy installation.**



***Insulation Displacement Connectors (IDC)***

**Moisture-resistant sealant protects wires from corrosion. Use with solid copper single-conductor wire**



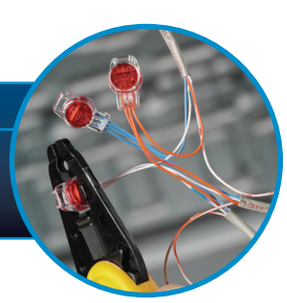
***CAT 6 RJ-45 Modular Plugs***

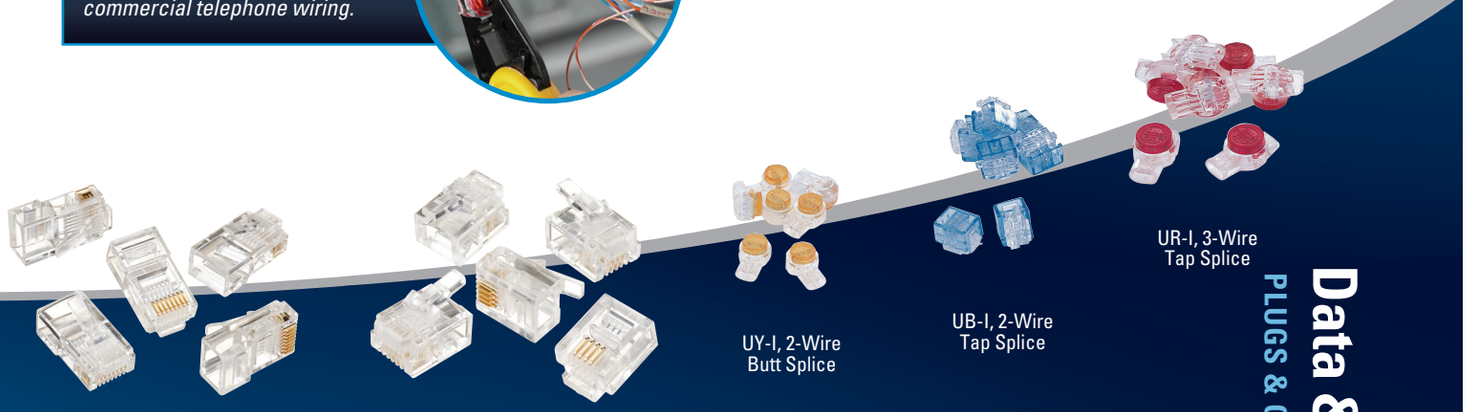
**Crimps with a standard RJ-45 crimp die. 50 micron gold contacts, 8-position, 8-contact. Suitable for solid or stranded conductors – 0.26mm² – 0.33mm²**

***IDC***

**FAST FACT:**

*Jelly Beans are perfect for extending domestic and commercial telephone wiring.*








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# Satellite and CATV drops made easy

**Compression F-Connectors are replacing crimp and screw-on style connectors thanks to their ease of installation and superior performance. The OmniCONN™ range features an o-ring that provides a watertight seal for outdoor applications.**
**IDEAL also has a full range of compression tools that work with these and most other brands of compression connector.**



### OmniCONN™ F-Connectors

**Free spinning hex nut for ease of installation onto all 11mm (7/16) ports, 75 ohm nominal impedance and two-piece pre-assembled connectors**



### Push-On F-Connector, RG6 & RG-59

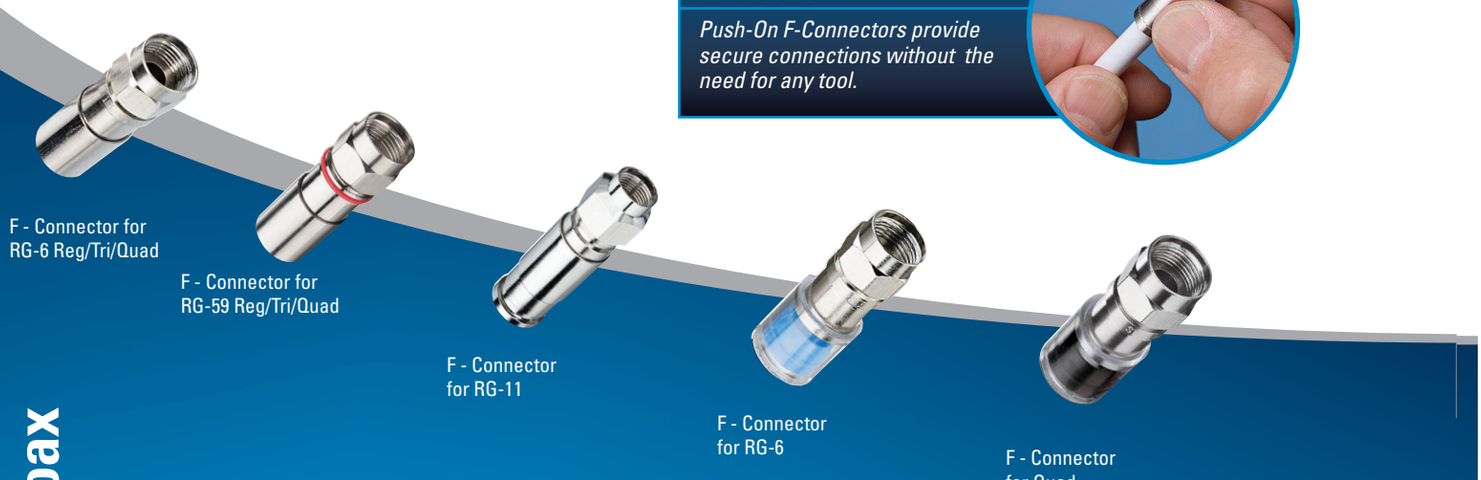
**No terminator tool required. All brass nickel-plated construction. Knurled nut for superior grip and designed for indoor use**

## Push-On

**FAST FACT:**

*Push-On F-Connectors provide secure connections without the need for any tool.*





F - Connector for RG-6 Reg/Tri/Quad

F - Connector for RG-59 Reg/Tri/Quad

F - Connector for RG-11

F - Connector for RG-6

F - Connector for Quad



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# Compression connectors for audio and RF applications

**BNC are a type of RF connector commonly applied to coaxial cable. Often used on CCTV equipment, test instruments and other radio-frequency electronic equipment, these compression style connectors have a moisture inhibiting design.**

**Commonly referred to as "phono" connectors, RCA connectors are used for carrying audio and video signals. These connectors are a must for installers of home cinema and high fidelity audio systems.**



### BNC Connectors

**Nickel-plated brass construction for superior corrosion resistance. 75 Ohm nominal impedance and gold-plated pin contact area**

## RCA

**FAST FACT:**

*Easy-to-use connectors suited to the domestic and commercial home-cinema installation market.*





### RCA Connectors

**Bandwidth up to 3 GHZ. Constructed of nickel-plated brass with gold-plated head. 75 ohm nominal impedance**



BNC - Connector for RG-6



BNC - Connector for RG-59



RCA - Connector for RG-6



RCA - Connector for RG-59





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# Electrical Connector Ordering Guide

## Twister® Wire Connectors

| Model | Qty. | Cat. No. |
|---|---|---|
| 340® Lt. Blue | Box of 100 | **30-340** |
| | Jar of 500 | **30-640J** |
| 341® Tan | Box of 100 | **30-341** |
| | Jar of 400 | **30-441J** |
| 342® Grey | Box of 50 | **30-342** |
| 344® Red/Yellow | Box of 50 | **30-144** |
| | Jar of 250 | **30-244J** |
| | Jar of 500 | **30-644J** |

## WeatherProof™ Wire Connectors

| Model | Qty. | Cat. No. |
|---|---|---|
| 61 Blue/Orange | Card of 25 | **30-161** |
| | Box of 100 | **30-261** |
| 62 Blue/Red | Card of 20 | **30-162** |
| | Box of 100 | **30-262** |
| 63 Blue/Dk. Blue | Card of 15 | **30-163** |
| | Box of 100 | **30-263** |

## In-Sure™ Push-In Wire Connectors

| Model | Port | Qty. | Cat. No. |
|---|---|---|---|
| 32 Red | 2-port | Box of 100 | **30-1032** |
| 33 Orange | 3-port | Box of 100 | **30-1033** |
| 34 Yellow | 4-port | Box of 100 | **30-1034** |
| 87 Grey | 5-port | Box of 50 | **30-087** |
| 88 Blue | 6-port | Box of 50 | **30-088** |
| 90 Black | 8-port | Box of 50 | **30-090** |

## SpliceLine™ Wire Connectors

| Description | Qty. | Cat. No. |
|---|---|---|
| 42 Orange | Box of 100 | **30-1042** |



UK Distribution Centre, Warrington

## Connector Kits

| Model | Description | Qty. | Cat. No. |
|---|---|---|---|
| | Twister® & WeatherProof™ Connector Premium Kit | 40 x Model 340®<br>40 x Model 341®<br>25 x Model 342®<br>25 x Model 344®<br>20 x Model 61<br>12 x Model 62<br>12 x Model 63 | **30-5000EU** |
| | Twister® Connector Starter Kit | 30 x Model 340®<br>30 x Model 341®<br>15 x Model 344®<br>15 x Model 62 | **30-5001EU** |
| | In-Sure™ Push-In Connector Premium Kit | 50 x Model 32<br>50 x Model 33<br>50 x Model 34<br>40 x Model 87<br>20 x Model 88<br>15 x Model 90<br>30 x Model 341® (FOC) | **30-5020EU** |
| | In-Sure™ Push-In Connector Starter Kit | 30 x Model 32<br>30 x Model 33<br>30 x Model 34<br>20 x Model 88 | **30-5021EU** |

In 1992, IDEAL INDUSTRIES INC. established it's first subsidiary outside of North America in the UK.

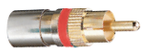
Focused on providing outstanding customer service we continue to serve our customers from a state-of-the-art distribution centre in Warrington.



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# Data/Telco Connector Ordering Guide

## Compression Coax Connectors

| Model | Type | Cable Type | Qty. | Cat. No. |
|---|---|---|---|---|
|  | F | RG-6 / Reg/Tri/Quad | Card of 10 | **92-651** |
| | | | Jar of 50 | **92-650** |
|  | F | RG-59 / Reg/Tri/Quad | Jar of 50 | **92-610** |
|  | F | RG-6 | Jar of 50 | **89-044** |
|  | F | Quad | Jar of 50 | **89-045** |
|  | BNC | RG-6 | Card of 15 | **89-048** |
|  | BNC | RG-59 | Card of 15 | **89-047** |
|  | RCA* | RG-6 | Card of 10 | **89-582** |
|  | RCA* | RG-59 | Card of 10 | **89-572** |

***RCA Connectors include an assortment of colour ID bands.**

## Push-On F-Connectors, RG-6 & RG-59

| Model | Type | Cable Type | Qty. | Cat. No. |
|---|---|---|---|---|
|  | F | RG-6 | Card of 4 | **85-065** |
| | | RG-59 | Card of 4 | **85-067** |

## Insulation Displacement Connectors (IDC)

| Model | Description | Qty. | Cat. No. |
|---|---|---|---|
|  | UR-I, 3-Wire Butt Splice IDC | 25 | **85-925** |
| | UR-I, 3-Wire Butt Splice IDC | 100 | **86-925** |
| | UR-I, 3-Wire Butt Splice IDC | 1,000 | **87-925** |
|  | UY-I, 2-Wire Butt Splice IDC | 25 | **85-950** |
|  | UB-I, 2-Wire Tap Splice IDC | 25 | **85-900** |

## Modular Plugs

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

## CAT 6 /ISO Class E RJ-45 Modular Plugs

| Model | Description | Qty. | Cat. No. |
|---|---|---|---|
|  | CAT 6/ISO Class E RJ-45 Modular Plugs | 25 | **85-366** |
|  | Strain Relief Boots for Modular Plugs | 25 | **85-380** |

All products are available from your local electrical wholesaler.

Alternatively please contact IDEAL on

**01925 44 44 46**

or via email:

**uksales@idealnwd.com**



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# Also from IDEAL INDUSTRIES.....

## IDEAL INDUSTRIES NETWORKS

IDEAL INDUSTRIES NETWORKS provides test solutions for LAN cable installers, network technicians, IT managers, Telecoms operators and service providers. The range includes copper cable testers, Cat 5 to Cat7A cable certifiers, OTDRs, 1 GbE testers, xDSL testers, network troubleshooting tools and more.

For more information on our Networks range please visit www.idealnwd.co.uk




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Email: francesales@idealnwd.com
www.idealnwd.fr



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# IDEAL INDUSTRIES ELECTRICAL

Over 6,000 items make up the IDEAL family of products including some whose names have become synonymous with their function.

Twister® & In-Sure™ Wire Connectors, Yellow 77® Wire Pulling Lubricant, SureTest® Electrical Testers and T® - Stripper Wire Strippers 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.

Every IDEAL product is covered by a comprehensive worldwide warranty.




For additional information on the entire range of IDEAL Wire Connectors or to request a full line catalogue, visit **www.idealindustries.co.uk**

Alternatively you can contact us on **+44 (0)1925 44 44 46** or via email: **uksales@idealnwd.com**

IDEAL®
**Wire Connectors**



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# Wire Connectors



For complete sales office contact information, visit us at:

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