



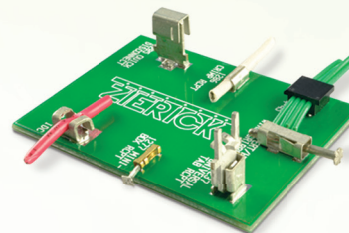
**SOLUTIONS**  
assembly & connectors



**CIRCULAR**



**RECTANGULAR**



**PCB**



**CABLE ASSEMBLY**

## SOLUTIONS DESIGNED AROUND YOUR BUSINESS

A&C Solutions is a connector & harness distribution specialist that offers a tailor made solution to any application and delivers high quality supply chain services to its customers anywhere in the world.



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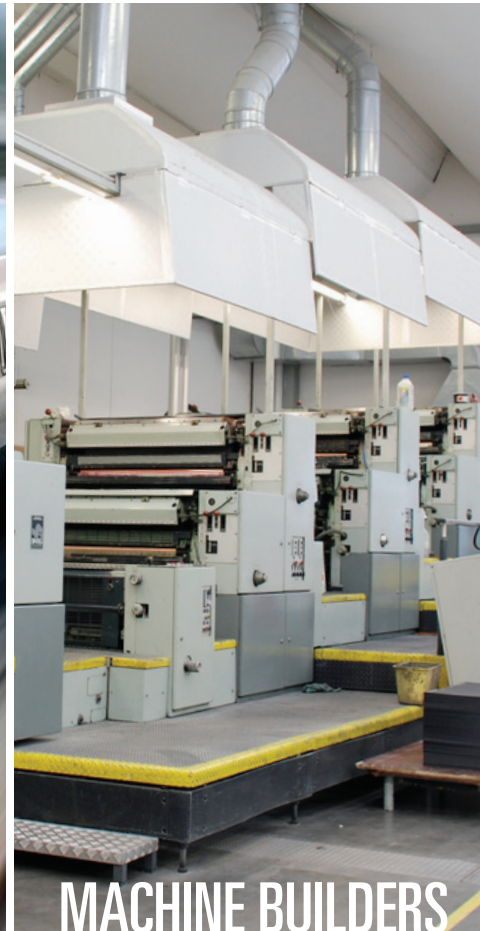
### *Connector specialist*

Within A&C Solutions, we are aware that choosing the right connector is of great importance for the successful installation and performance of your application. We also know that finding the right solution for your application's product requirements, in a market that is characterized by a great variety of different connector types, sizes, designs, features and benefits, is not easy. A&C Solutions is a true connector specialist working with a small team of professionals that count for over 35 years of experience in the business. Together with our strong specialised network of suppliers & production facilities over the world, A&C Solutions is able to help you find the perfect match for your application.

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### *Real partner*

And we do more. When your connector still needs to be designed into a cable assembly, A&C Solutions can do this for you at attractive conditions at one of our certified production locations, completely according to your specifications. Besides this, A&C Solutions works with you to reduce your stock and to ensure a timely delivery of each consignment. And of course, you can always rely on A&C Solutions' on-going stock for a large part of the conventional connector solutions, delivered to you within 24 hours. Altogether, this makes A&C Solutions a real partner in business who considers every project, large or small, a challenge in need for a solution.



As a true connector specialist, A&C Solutions has in-depth knowledge of the connector technology and represents a selected group of complementary brands, all of which have a proven track record within the European market. Together with our partners, A&C Solutions mainly serves customers in the following markets:

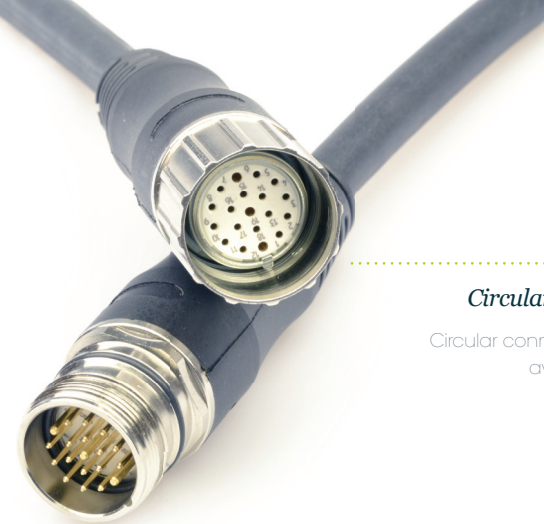
- Industrial automation
- Machine builders
- Measurement equipment
- Lighting industry
- Subcontractors (PCB & cable harnesses)
- Railway
- Medical devices



# BRANDS



Hummel offers a wide variety of circular connectors designed to meet the requirements of applications for rough, industrial environments. They are resistant to vibration loads and guarantee protection of IP67/ IP69K.



## *Circular moulded connector*

Circular connector, moulded version, available as M16 en M23.

## *M23 connector*

M23 connector available as RJ45, fast Ethernet PoE, signal and power.



## *TWILOCK*

TWILOCK is a quick-release fastening system for Series M16 and M23 circular plug-in connectors. With one simple click, just a slight twist, the plug-in system goes from "Open" to "Close" and locks.



## *Conventional connector*

Conventional connector available as M16, M23, M27 and M40 out of aluminum or stainless steel with a nickel plated surface.



## *M16 connector*

M16 connector with angle panel mount.

# HUMMEL





*M8/M12 specials*

*Connector with continuous IP 67 protection*

Bayonet connector series that guarantees IP67 protection at all times even when it is not mated or protected by a cap.



*Power connector*

Power connector series with solder, screw- or crimp contacts, also available in moulded version. VDE and UL-approved.



# BRANDS

The strength of Binder circular connectors is the huge amount of options and designs that you have with just a very small connector, all according to various standards (IP40/IP67).

*Micro push-pull connector*

Micro push-pull connector series with a diameter of only 9,5 mm, IP 67 protected.



*Snap-in connector*

Snap-in connector series with a diameter of 11,5 or 16mm, IP67 protected.



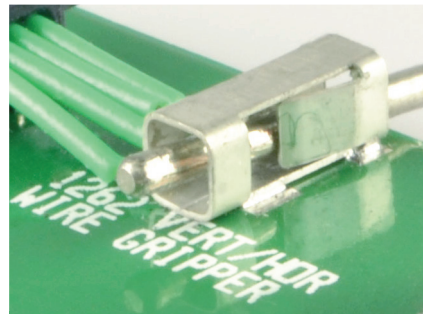
# BINDER

# BRANDS

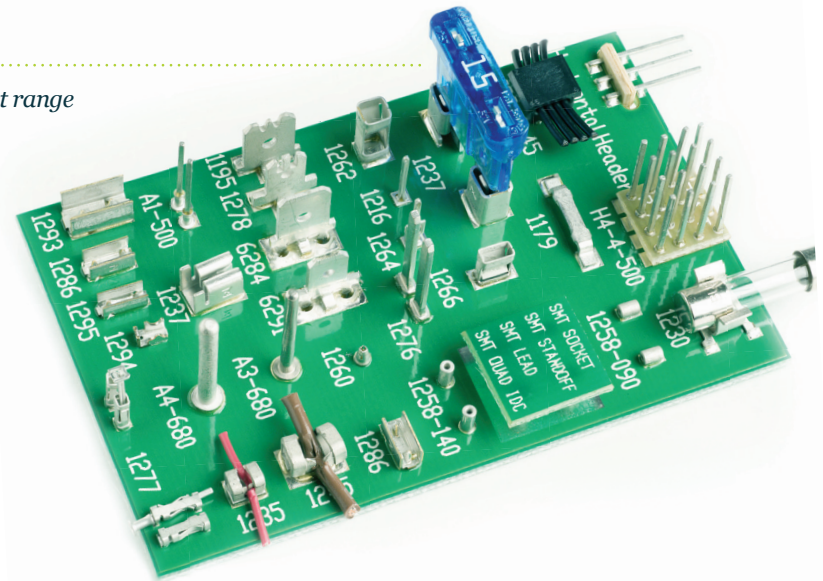


Zierick is specialised in offering smart solutions to connect wires to PCB's. Zierick focuses on SMT solutions for tabs & pins and the new technology for piercing terminals which is a perfect match for LED lighting applications.

*Wire gripper*



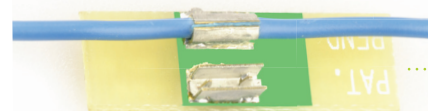
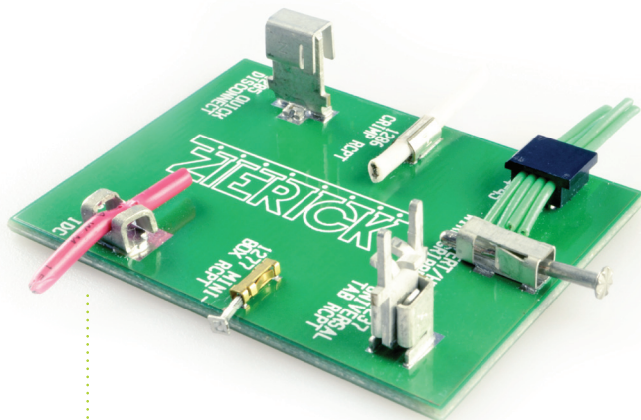
*SMT product range*



*Insulation piercing terminal*



*Tab receptacles and surface mount IDC*

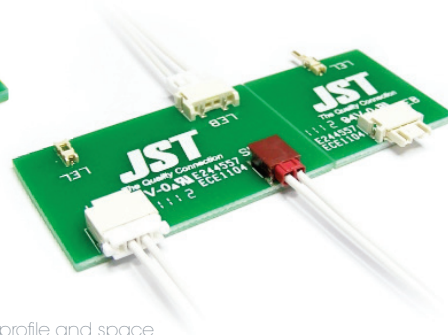


# ZIERICK



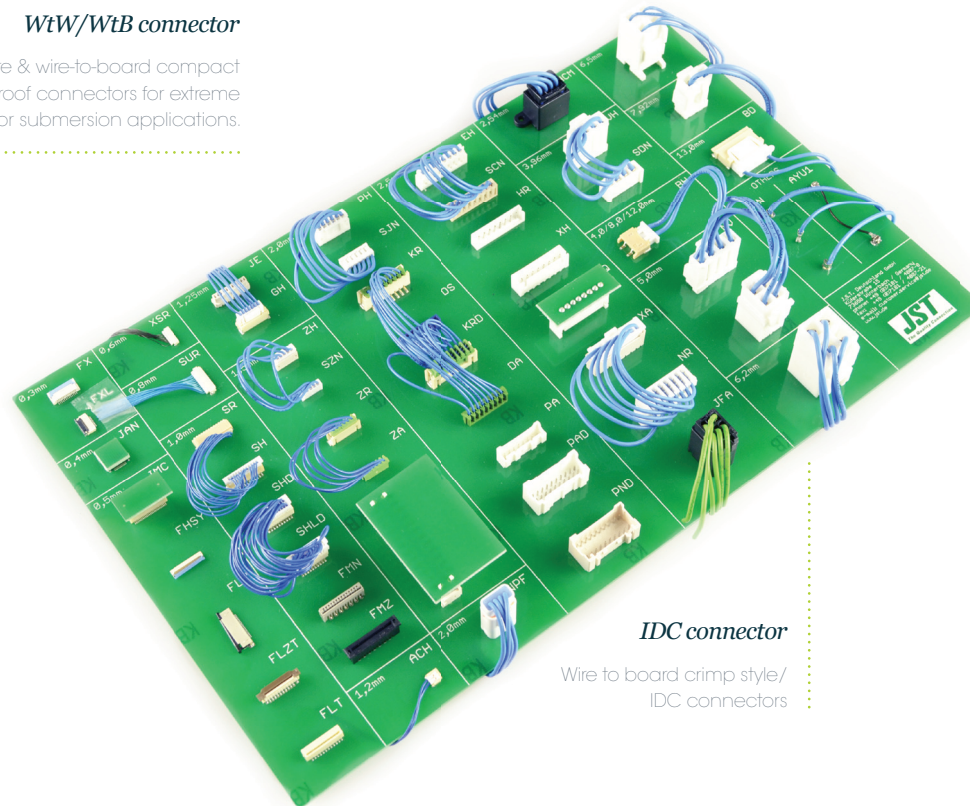
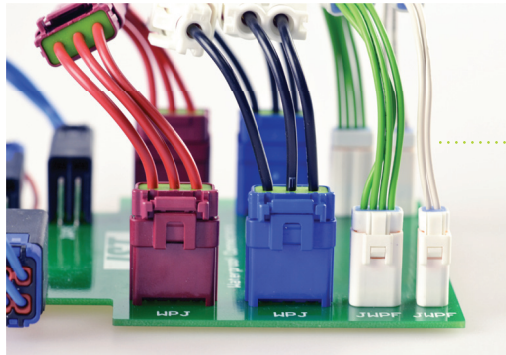
### *LED connectors*

LED connectors are low profile and space saving solutions for the LED lighting industry. A pitch size of only 1.8 mm already has a current rating of 4.0A.



### *WtW/WtB connector*

Wire to wire & wire-to-board compact and waterproof connectors for extreme moisture or submersion applications.



### *IDC connector*

Wire to board crimp style/  
IDC connectors

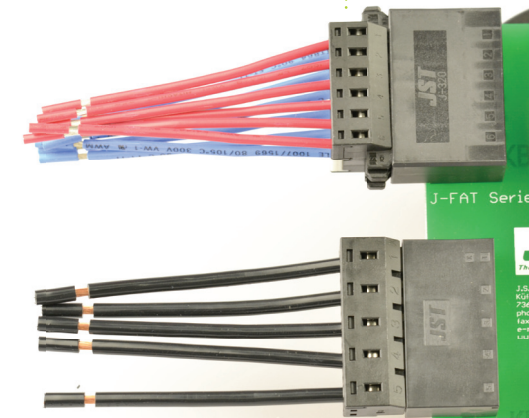


## BRANDS

JST is specialised in offering smart solutions to connect wires to PCB's. The wide range JST has goes from SMT, through-hole technology, wire-to-board, wire-to-wire and board-to-board.

### *Spring clamp connector*

Connectors with spring clamp contacts.



# JST



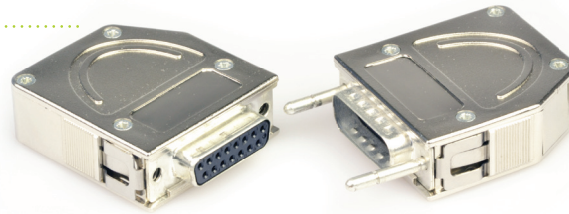
# BRANDS



Over the past 25 years, Provertha has established an excellent reputation in the world of D-Sub and M12 connectors. Based on its broad and comprehensive connector portfolio, Provertha enables reliable and robust solutions for industrial networks and automation applications.

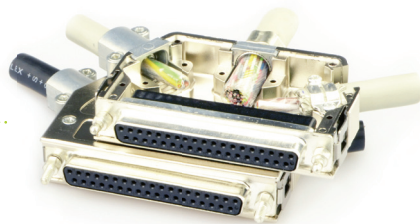
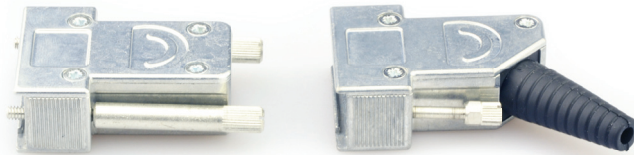
## *Quick Lock*

Quick Lock is a push-pull system ensuring an easy, fast and secure locking of D-Sub cable connectors to its mating connector.



## *M12 connectors*

Provertha offers the smallest M12 connectors for field connections in CAN-Bus, Profinet and Profibus applications. These robust connectors are all IP67 protected and NFF certified. They enable a fast and fail-safe assembly in the field.



## *Various hood possibilities*

Plastic, metalized or die cast hood possibilities with various cable exit options.

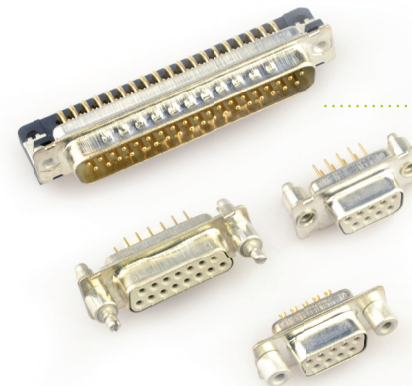
## *Bus connectors*

Complete bus connector programme for Profibus and CAN-bus implements 100% tested standard and quick-release solutions with the plug & play bus connector series.



## *D-Sub connectors*

A complete range of high quality D-Sub connectors.

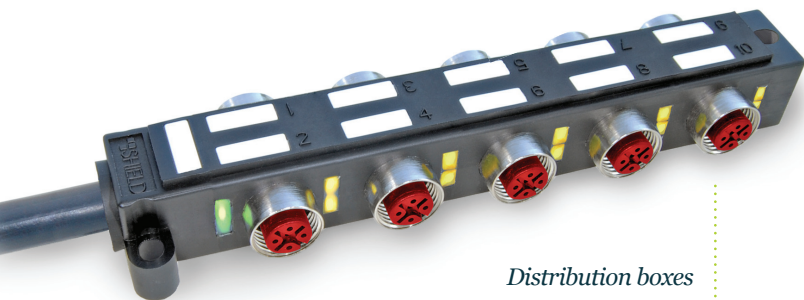


# PROVERTHA



### *Circular connectors*

Circular M8/M12 and 7/8" connectors are available in both screw and moulded version and comply with various IEC standards.



### *Distribution boxes*

Shield's distribution boxes work well in rough environments and areas with limited installation space thanks to the robust design and the small available sizes.

### *Distribution backbone chain*

Customized distribution backbone chain, IP65 protected.



### *Through-wall connector*

M12 male-female through-wall connector.



### *Electrovalve connector*

Electrovalve connector available as screw and moulded version. Possibility to integrate various circuit board solutions.



## BRANDS

Shield offers a wide range of connectors for industrial automation. It includes a great variety of M8/M12 connectors, middle power connectors, electrovalve connectors and spiderboxes. The strength of Shield mainly lies in their ability to design customized solutions. The short lead times, the possibility of having small customized lots and the wide range of special cables make Shield a popular brand within A&C Solutions' portfolio.

# SHIELD

# BRANDS



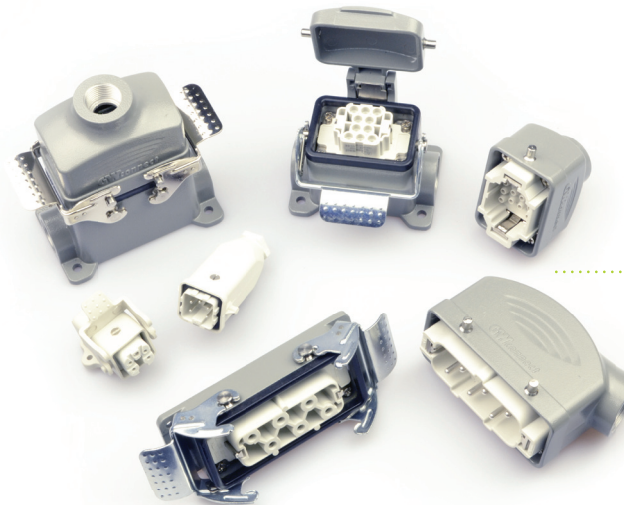
## *Amphenol*

Amphenol 62IN, MS and 97B series connectors are general purpose, environment resistant, circular connectors with bayonet or thread coupling. These series meet the most critical application needs (regarding MIL-C-26482 or MIL-C-5015 standard) and are widely used in applications that require quick disconnect connectors.



## *Weipu*

Weipu has a wide product range with connectors from 2A up to 200A, from 2 pins up to 12 pins and a protection degree of IP44 up to IP68. These series are very suitable for outdoor and waterproof connections and meet most requirements of harsh working environments. Weipu connectors are good value for money products and are immediately available from stock.



## *Westec*

Westec manufactures a wide range of Heavy Duty Connectors for connections in industrial environments and wherever connections are required for power, control and signal circuits in harsh environments. Westec connectors are UL approved, compliant with RoHS and in accordance with the latest international standards.

# AMPHENOL / WESTEC / WEIPU





# BRANDS

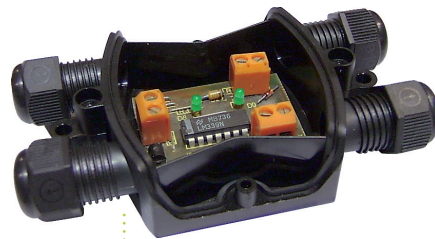
Techno is fully dedicated to the design and in-house development of innovative injection moulded solutions for applications that need a high protection (up to IP68). These solutions offer a safe, highly reliable, waterproof connection and most of them are resistant to chloride. At the same time they ensure a fast and simple installation through quick male-female connections, screwless cable clamps and interchangeable terminals. The range consists out of fixed connections, plug & socket connections and quick locking cable clamps. Techno connectors are ideal for any type of outdoor application.

## IP68 connectors

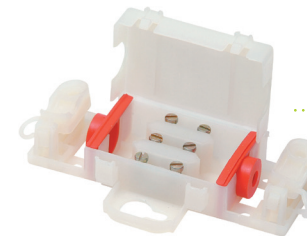
IP68 compact connectors with piercing clip terminals for fast wiring. Also resistant to chloride.

## Plug & socket connectors

High protection, waterproof plug & socket connector.



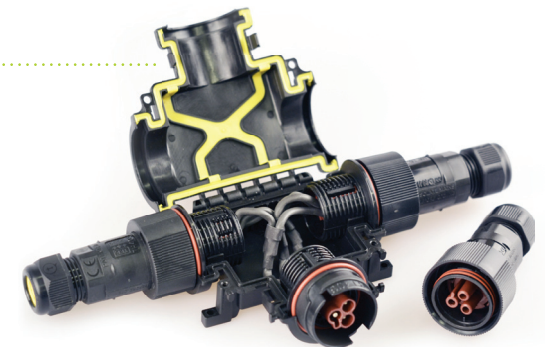
Current distributor with circuit board



IP44 compact terminal block

## Waterproof junction box

High protection waterproof junction box. The co-moulded gasket prevents seal leakage or improper installation. This box ensures a reliable and fast connection due to a built-in connector.



# TECHNO

# SOLDERLESS TERMINALS



A&C Solutions carries a broad range of loose piece terminals. Most of them are compliant with international standards such as DIN and UL/CSA. All insulated loose piece terminals are also available as tape on reel. All non-insulated terminal types are available as chain terminal as well.

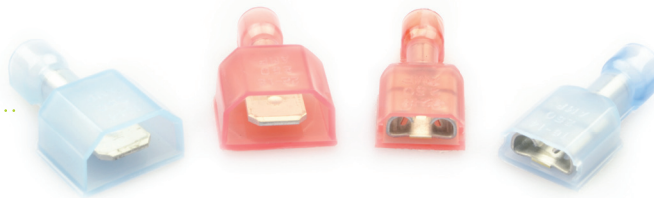
## ***Bullet and ring tongue terminal***

A bullet terminal, vinyl insulated with copper sleeve together with a ring tongue terminal, R-type, nylon-insulated.



## ***Quick disconnect terminals***

Nylon fully insulated quick disconnect terminals.



## ***Ring tongue terminal***

Nickel-plated, non-insulated ring tongue terminal.



## ***Quick disconnect terminals***

Vinyl insulated quick disconnect terminals with copper sleeve.



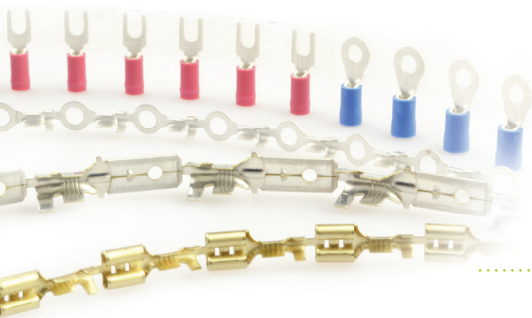
## ***Quick disconnect terminals***

Non-insulated quick disconnect terminals with separate hood.

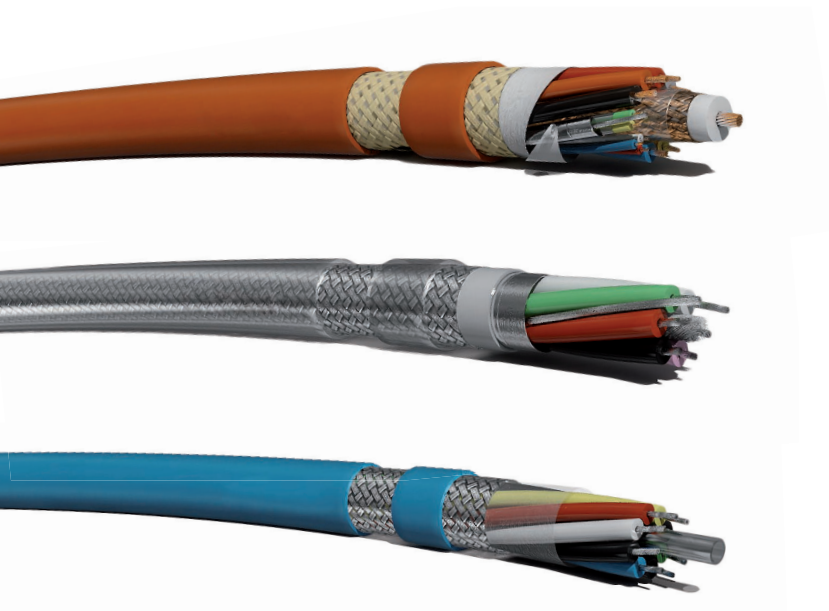


## ***Chain/tape on reel terminals***

Range of chain and tape on reel terminals.



# JST



# RICHCO



Richco is your one-stop shop for:

- Circuit board hardware
- Cable management
- Grommets, bushings and cable glands

# RICHCO



## SPECIAL CABLES

A&C Solutions can also be your partner when it comes to your special cable needs. The range of special cable services goes from simply printing the outer jacket with your company name to the complete assembly of a customized cable according to your requirements.

A&C Solutions manufactures hybrid cables of 0,05mm<sup>2</sup> to 10mm<sup>2</sup> with a maximum outside diameter of 30mm. For the insulation of your cable, you can choose from the following materials:

- All types of PVC: flame retardant, oil resistant etc.
- PE / PP / PPE / XL-PE
- TPE-E, ideal as chain cable or spiral cable
- TPE-V, mainly used for cables in the food industry and also medical industry
- PUR, also available in version flame retardant and low smoke zero Halogen





# CABLE HARNESSES



When you, as our customer, need to design your connector into a cable assembly, A&C Solutions can provide you with an interesting alternative to do this in-house at attractive conditions.

A&C Solutions utilizes various, certified (ISO9001) production locations in Eastern Europe and China. These plants are specialised in cable assemblies and are fully equipped with the latest technology to ensure optimal cost-efficiency.

Being a connector distributor, A&C Solutions is able to offer you the best match in custom assembly since it has:

- the stock
- the right knowledge
- the right connector tooling
- and the best price

This means that by assembling your connector with A&C Solutions, you will decrease your direct- and indirect costs substantially and at the same time you are assured that your connector is assembled according to your specifications.



## *Motor drives*

Cable sets for motor drives.



## *LED applications*

Cable sets for outdoor LED applications.



## *Production site China*

### *LED displays*

Cable sets for LED displays.



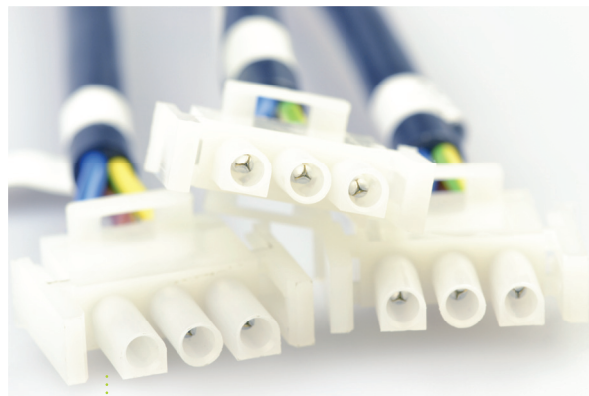
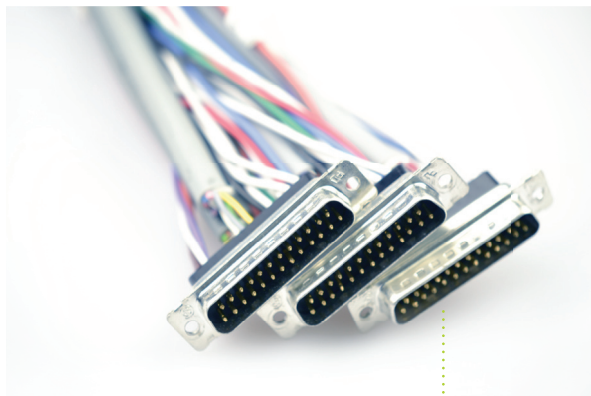
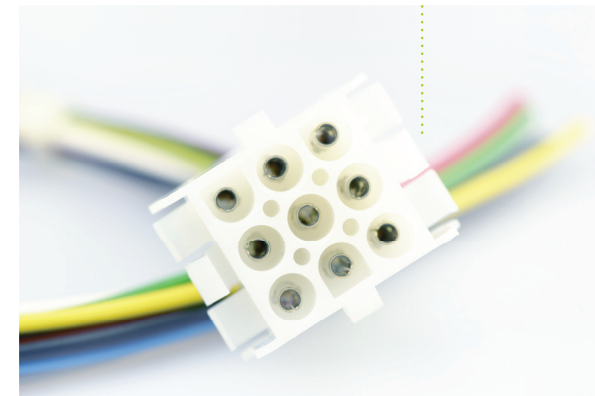
### *Medical equipment*

Cable sets for medical equipment.



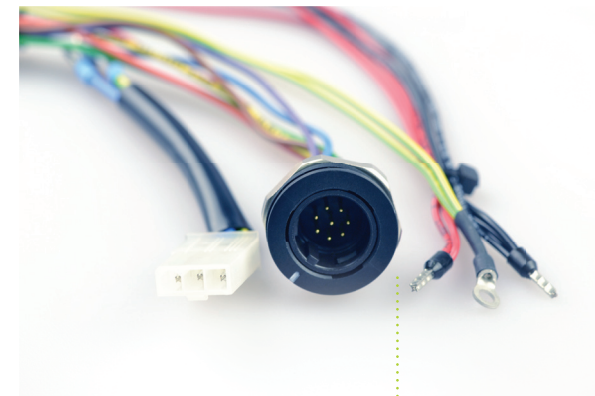
### *Entertainment machines*

Cable sets for entertainment machines.



### *Ventilation systems*

Cable sets for air ventilation systems.



### *Measurement equipment*

Cable sets for measurement equipment.

You can find the following brands through **A&C Solutions**:



Hummel



Binder



Zierick



JST



Provertha



Shield



Techno



Amphenol



Westec



Weipu



Richco



Glenair



Stocko



Lear

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If you require more information, **please contact us.**



Slachthuisstraat 68A, B-2300 Turnhout  
☎ +32 (0)14 73 53 70 📠 +32 (0)14 73 53 71  
info@ac-solutions.be - www.ac-solutions.be