



EVERY CONNECTION COUNTS

Industrial Electrical and Electronic products
for a safer, sustainable, productive, and
connected world.



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CABLE & CONNECTIVITY SOLUTIONS

TE Connectivity (TE) cable and connectivity solutions are at the heart of technological breakthroughs that are making the world cleaner, safer, and more beautiful. With innovations in transportation, medicine, and digital engineering, TE is there with the cable and connectivity solutions that can help transform your dreams into reality.

Advantages of TE Connectivity range:

- Increase speed & achieve greater throughput with faster load rates, enhanced information flow, and deterministic networks.
- Improve quality with greater control over QA with finer levels of detail and resolution from machine inspection.
- Gain economies of scale and achieve multiple cost reductions with more universal and available parts and without the need for proprietary equipment.
- Get more power in a smaller package with increasingly capable devices in a space-saving footprint.
- Attain the ultimate flexibility with a common core design.
- Increase reliability with the most ruggedized industrial connectors.
- Engineering excellence delivers smarter, faster solutions to your most complex problems

RS Components is an authorized distributor for TE Connectivity, with a wide range of TE Connectivity products in stock for same-day dispatch, including connectors, relays, circuit breakers and contacts.

 au.rs-online.com/te

PRODUCT CATEGORY	APPLICATIONS	INDUSTRY	ADVANTAGES
CIRCULAR PLASTIC CONNECTORS 	Industrial machinery, Factory Automation, Material Handling Equipment, Communication Equipment, Networking Equipment, Data Storage, Computers & Peripherals, Lightings and Signage, Rail	Industrial, Building, Infrastructure, Electronics, Medical, Instrumentation	Wide Portfolio Offerings, High Temperature Range, High quality and reliable for various industrial applications. Competitive in price. CPC is UL & CSA certified.
M8/M12 CONNECTORS 	Car Manufacturing, Logistical Warehouse, F&B Production, Robot Arm, Machinery, Commerical Vehicles, AGV, Industrial Switch, Industrial Vision System, Security System	Industry Production Line System, Machinery Equipment, Instrument Device	IP67 and IEC and UL approved, Wide range for different industrial network
POWER RESISTOR 	Servo Drive, In-Vehicle Technologies, Propulsion and Power Distribution, Components for Washers & Dryers, Robot Arm, Power Connectivity	Communication, Industrial Controls, Instruments, Medical Device	Wire to board system, Polarization, Strain Relief, Mounting ears and detent, Keying plugs available
AMPMODU MOD IV, V 	Servo drives, PLCs, Distributed I/O systems, Collaborative robots, Automated Guided Vehicles, Industrial/Military Drones, Network Hubs, Servers, Routers, Switches, Ventilators, Medical Imaging Devices, Health Monitoring Devices, Laboratory Test equipment, Material test equipment, Electronic test equipment, Measuring microscopes, Home automation devices, HMI ..	Factory Automation, Robotics, Telecommunication Equipment, Medical Equipments, Test & Measurement Equipments .	Suitable for reflow soldering, saving time and money through shared manufacturing process. Compatible with Automated manufacturing processes. Offer reliable electrical connection in harsh shock and vibration environments. 85% space savings on PCB as compared to 2.54 mm connectors, Maximum product safety and globally recognized test quality. Equipped to meet strict requirements of low halogen supply chains.
HEAVY DUTY RECTANGULAR CONNECTORS 	Industrial Control Cabinet to Machine Connection, Human Machine Interface and Industrial Touch Panels, Industrial Handling Equipment, Connection of Industrial Tools, Industrial Control Cabinet to Robot Connection and Industrial Robot Connections.	Automation, Robotics, Wind Energy, Rail, Construction, Packaging, Printing, Industrial Machinery	Product is built for industrial applications in the harshest enviroments. The modular concept of these connectors provides a flexible and quick adaption to the requirements of the applications. It is IP68, IP69k certified, able to withstand shock resistant and passed the test of >1000h salt spray resistance. Optional hard coating craetes a robust layer for the use in extreme environments.
PIDG TERMINALS AND SPLICES 	Control Cabinet for Robot, Machinery, Power Automation, Wind Energy, Elevator, AGV, Electrical Cabinet for production line.	Industry, Electrical Power Utility, Industrial Machinery	Made of high conductivity copper, tin-plated for optimal corrosion protection. Copper sleeve for vibration resistance and improved wire insulation support. Body has inner serrations for maximum electrical contact and tensile strength. Insulation sleeves are color-coded by wire size to the corresponding TE Connectivity tooling for easy identification and termination. Most PIDG terminals and splices are UL, CSA listed and MIL Spec approved. Operating temperature 105 degree and operating voltage of 300v.

MULTIGIG RT 2 BOARD-TO-BOARD HIGH SPEED BACKPLANE CONNECTOR

- 72 Position
- Row-to-Row Spacing 1.8 mm [.071 in]
- Mating Alignment

NEW



217-5366 8 COLUMN, 9 ROWS

1410186-2

DEUTSCH DRC CONNECTOR HOUSING SOCKET

- Housing for Female Terminals
- 5.49mm [.216in] Centerline
- Sealable

NEW



217-5532 40 POSITION

DRC18-40SA

SURFACE MOUNT SD CARD CONNECTORS

- Micro Secure Digital Compatible Card
- 1.1mm [.04in] Centerline
- Surface Mount
- Printed Circuit Board

NEW



217-5449 8 WAY RIGHT ANGLE

2201778-1

HMN-D3 PANEL MOUNT CONTACT INSERT

- Contact Insert Pole Configuration 3
- Crimp Terminal
- 1.2A Contact Current Rating (Max)

NEW



219-3087 3 POSITION

T2115032101-000

PCB D-SUB CONNECTOR

- Receptacle
- Wire-to-Board
- 2.29mm [.09in] Centerline
- 3 Row
- Row-to-Row Spacing 1.98 mm [.077 in]

NEW



217-5454 26 WAY RIGHT ANGLE

2311768-1

FEMALE CAT5 RJ45 CONNECTOR

- Single Port
- Port Matrix Configuration 1 x 1
- RJ Type Jacks & Plugs
- Standard Connector Contact Density
- Shielded

NEW



217-5485 FEMALE, PCB MOUNT

6339191-4

LEAVYSEAL HOUSING FOR MALE TERMINALS

- Wire-to-Wire
- 4mm / 6mm [.157in / .236in] Centerline
- Sealable
- Black
- Signal

NEW



217-5360 26 POSITION

1-2112041-1

PLUG-IN MINI ISO RELAY SOCKET

- Bracket Mount
- Relay Socket For Use With Plug-In Mini ISO Relays

NEW



217-5353 BRACKET MOUNT

1-1904045-2

FEMALE RJ25 CONNECTOR

- Single Port
- Port Matrix Configuration 1 x 1
- Standard Profile
- RJ Type Jacks & Plugs
- Standard Connector Contact Density

NEW



217-5362 6 POSITION

1-338086-6

MAG-MATE MAGNET WIRE TERMINAL

- Magnet Wire Terminal Mating Pin Diameter 3.18 mm [.125 in]
- Terminal Height 7.6 mm [.299 in]

NEW



217-5395 30 - 27 AWG

1740417-1

DEUTSCH HDP20 HOUSING FOR MALE TERMINALS

- Hybrid
- Wire-to-Wire
- Sealable
- 13A Contact Current Rating (Max)

NEW



217-5579 31 POSITIONS

HDP24-24-31PT

AMP CPC SERIES 1 CABLE MOUNT MALE PLUGS

- Built-in pin and socket protection
- UL 94V-0 rated and manufactured from stabilized, heat resistant, self-extinguishing thermoplastic materials
- Quick connect/disconnect features saves valuable assembly time



160-0926	37 POSITION	206305-1
680-6769	14 POSITION	206044-1

CPC SERIES 6 PLUG ASSEMBLIES

- Lightweight, all plastic connector less expensive than metal connectors
- Rugged and reliable
- Resistant to vibration and shock



680-6788	4 POSITION	206429-1
680-6826	8 POSITION	206708-1

CPC SERIES 1 PLUG ASSEMBLY

- Lightweight
- Quick connect/disconnect capability with thread assist, positive detent coupling
- Polarized for proper mating of connector halves



452-6578	9 POSITION PLUG	211766-1
452-6590	9 POSITION RECEPTACLE	211767-1

CM SERIES 1 RECEPTACLE ASSEMBLY

- Low installation cost
- Operating temperature ranges between -55°C and 125°C
- Space efficient



360-2003	24 POSITION	208459-1
360-1971	5 POSITION	208719-1

CPC SERIES 3 RECEPTACLES

- Operating Voltage 600 VDC
- Wire-to-Wire



221-1189	3 POSITION	206037-2
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MINI CPC SERIES

- Nylon housing is resistant to a wide range of chemicals
- Easy grip turn coupling with positive lock for fast coupling/uncoupling
- Alignment features



479-1637	9 POSITION PLUG	1445807-3
164-9150	9 POSITION RECEPTACLE	1445816-3

M12 MALE FIELD INSTALLABLE A CODE CONNECTORS

- Wire-to-Wire
- Sealable
- 4A Contact Current Rating (Max)
- Signal
- PBT



124-7094	STRAIGHT, 4P, PG7, GOLD	T411001041-000
124-7095	STRAIGHT, 5P, PG7, GOLD	T411001051-000
124-7097	STRAIGHT, 4P, PG9, GOLD	T411002041-000
124-7098	STRAIGHT, 5P, PG9, GOLD	T411002051-000



M12 FIELD INSTALLABLE MALE SHIELDED CONNECTORS

- Wire-to-Wire
- Sealable
- Signal
- Nickel



124-7101	5P, GOLD A_CODE	T411011051-000
124-7135	5P, GOLD B_CODE	T4111411051-000
124-7147	4P, GOLD, D_CODE	T4111511041-000

M8 PANEL MOUNT CONNECTROS

- Wire-to-Panel
- Sealable
- Printed Circuit Board
- Signal
- Panel Mount



669-3314	MALE, 3 WAY	1838838-1
669-3318	MALE, 4 WAY	1838838-2
669-3327	FEMALE, 3 WAY	1838839-1
669-3320	FEMALE, 4 WAY	1838839-2

M12 FEMALE STRAIGHT A CODE CONNECTORS

- Wire-to-Wire
- Sealable
- 4A Contact Current Rating (Max)
- Signal
- PBT



124-7081	3 POSITION	T410001031-000
124-7082	4 POSITION	T410001041-000
124-7083	5 POSITION	T410001051-000

FIELD SERVICEABLE M12 CONNECTOR

- Wire-to-Wire
- Sealable
- Signal
- Reverse Gender



669-3383	FEMALE, 5 WAY	1838274-3
669-3396	FEMALE, 4 WAY	1838276-2

HSA SERIES 100W ALUMINIUM HOUSED WIREWOUND RESISTORS

- HSC Family of Aluminium Housed Power Resistors
- 75W-300W dissipation capability
- Gold anodization and Two mounting flanges



AUTHORIZED DISTRIBUTOR

720-5378	1R0 5%	HSC1001R0J
720-5362	10R 5%	HSC10010RJ
720-5375	1K0 5%	HSC1001K0J

TJT SERIES 500W ALUMINIUM POWER RESISTORS

- Chassis Mount Resistors
- 330 × 80 × 10 mm
- 2 Termination
- 5 Passive Component Tolerance
- Wire Wound



AUTHORIZED DISTRIBUTOR

902-7953	33R 5%	TJT50033RJ
902-7931	3R3 5%	TJT5003R3J
902-7956	47R 5%	TJT50047RJ
902-7934	4R7 5%	TJT5004R7J

TE SERIES HIGH POWER WIRE WOUND PANEL MOUNT RESISTORS

- Chassis Mount Resistors
- 360 × 50 × 101 mm
- 2 Termination
- 5 Passive Component Tolerance
- Wire Wound



AUTHORIZED DISTRIBUTOR

701-5771	220R 750W	TE750B220RJ
701-5765	22R 750W	TE750B22RJ
701-5759	2R2 750W	TE750B2R2J
701-5775	470R 750W	TE750B470RJ

BDS100 SERIES 100 WATT THICK FILM RESISTORS

- Chassis Mount Resistors
- 38 × 25.5 × 21 mm
- 2 Termination
- 10 Passive Component Tolerance



AUTHORIZED DISTRIBUTOR

225-1266	470R	BDS2A100470RK
225-1193	47R	BDS2A10047RK
225-1121	4R7	BDS2A1004R7K

THS SERIES 25W ALUMINIUM HOUSED SOLDER LUG RESISTORS

- Chassis Mount Resistors
- 51 × 28 × 15 mm
- 2 Termination
- 5 Passive Component Tolerance
- Wire Wound

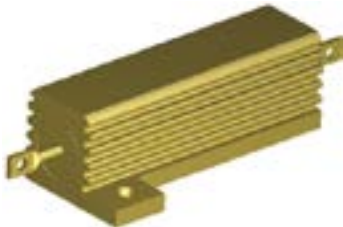


AUTHORIZED DISTRIBUTOR

754-7102	330R 5%	THS25330RJ
754-7105	33R 5%	THS2533RJ
754-7109	39R 5%	THS2539RJ
754-7118	3K3 5%	THS253K3J

HSA SERIES ALUMINIUM HOUSED 50W RESISTORS

- Chassis Mount Resistors
- 72.5 × 30 × 17 mm
- 2 Termination
- 5 Passive Component Tolerance
- Wire Wound



AUTHORIZED DISTRIBUTOR

720-5158	0R02 5%	HSA50R02J
720-5167	0R05 5%	HSA50R05J
720-5160	0R10 5%	HSA50R10J
720-5164	0R15 5%	HSA50R15J

MINI-UNIVERSAL MATE-N-LOK HOUSING

- Rectangular Power Connectors Housing
- 9 Position
- 4.2mm [.165in] Centerline
- UL 94V-0



AUTHORIZED DISTRIBUTOR

720-2360	PLUG	1-172169-9
720-2379	RECEPTACLE	1-172161-9

AMPMODU LOCKING CLIP CONNECTOR HOUSING

- Receptacle
- 2.54mm [.1in] Centerline
- Crimp
- 2 Row
- Row-to-Row Spacing .1 in [2.54 mm]



AUTHORIZED DISTRIBUTOR

495-8408	10 POSITION	926209-5
745-5494	4 POSITION	965082-1

TRIO-MATE FLEXIBLE FILM CONNECTORS

- Triomate flexible film connectors accept FFC cable, flexible etched circuitry or membrane switch circuitry 0.005" to 0.015" (0.13mm to 0.38mm) thick in contact area
- They have a high extraction force and are reusable 25 times with same cable thickness



AUTHORIZED DISTRIBUTOR

718-8740	8 WAY STRAIGHT FEMALE, TIN	5-520315-8
718-8661	12 WAY STRAIGHT FEMALE, TIN OVER COPPER	6-487509-1
718-8722	8 WAY STRAIGHT FEMALE, TIN OVER COPPER	5-487509-7

AMP UNIVERSAL POWER CONNECTOR HOUSING

- 12 Position
- 3.96mm [.156in] Centerline
- UL 94V-0



AUTHORIZED DISTRIBUTOR

719-0078	PLUG, 12 POSITIONS	176278-9
719-4373	RECEPTACLE, 15 POSITIONS	176291-1
719-4345		176279-1

ECONOMY POWER CONNECTOR HOUSING

- Made from a strong Nylon
- Audible 'click' sound after successful mate
- Polarisation helps to prevent misalignment
- Compatible with other brands for retrofit applications



AUTHORIZED DISTRIBUTOR

712-1202	4 WAY, 1 ROW	1-1123722-4
719-5177	2 WAY, 1 ROW	1-1123722-2

FFC SERIES 1.25MM PITCH FPC CONNECTOR

- Through-hole straight and right angle versions
- Non-ZIF style
- Lead free plating



AUTHORIZED DISTRIBUTOR

165-0857	12 WAY STRAIGHT FEMALE	1-845434-2
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WIRE & SINGLE CORE CABLE



FLEXILITE SERIES CHEMICAL RESISTANT HOOK UP WIRE

- UL Style 3557, UL recognised component
- Operating temperature range of -55°C to +200°C
- 600 V rating
- Meets requirements of VW-1 flammability



ZEROHAL TYPE 100G SERIES EQUIPMENT WIRE

- Halogen free, low smoke generation
- Highly flame retardant
- Flexible, easy to install
- Small size, lightweight



253-1950	0.5 YELLOW	FLHTC0311-0.50-4
253-2032	0.5 WHITE	FLHTC0311-0.50-9
253-1837	0.75 YELLOW	FLHTC0311-0.75-4
253-2026	0.25 WHITE	FLHTC0311-0.25-9



244-1447	2.5 BLUE	100G0111-2.50-6
244-1380	0.5 BLUE	100G0111-0.50-6
244-1419	1.5 BLUE	100G0111-1.50-6

FLEXILITE SERIES EQUIPMENT WIRE

- Dual wall insulation (Class 2 equipment)
- Flexible with non-melting insulation
- Enables bundles to be routed through areas where conventional wires cannot be used
- UL style 1385



100E SERIES HARSH ENVIRONMENT WIRE

- Lightweight
- Thin walled
- 30% lighter than similar thick walled wire
- Dual jacket insulation



208-5788	1.5 BLACK	FLT0111-1.50-0
208-5508	0.26 WHITE	FLT0111-0.25-9
208-5817	1.5 GREEN	FLT0111-1.50-5
208-5823	1.5 RED	FLT0111-1.50-2



136-5938	0.5 WHITE	100E0111-0.50-9
136-5941	1.5 WHITE	100E0111-1.50-9
136-5940	1.0 WHITE	100E0111-1.00-9
136-5942	2.5 WHITE	100E0111-2.50-9

ACW SERIES AUTOMOTIVE WIRE

- High operating temperature up to 150°C
- Designed to function in the hot engine compartment environment
- Excellent mechanical strength
- Ideal for automotive wire handling



TYPE 55® HARSH ENVIRONMENT WIRE

- Single or dual wall construction
- Small size, ultra lightweight
- Mechanically rugged
- Exceptional resistance to most chemicals & electrical arc tracking



369-4939	2.5 WHITE	ACW0219-2.50-9
369-4787	0.5 RED	ACW0219-0.50-2
369-4816	1 BLACK	ACW0219-1.00-0



869-7330	RED	55A0111-24-2
869-7337	BLUE	55A0111-22-6



CABLE & WIRE CHEAT SHEET



APPROVALS AND STANDARDS



BASEC: The British Approvals Service for Cables is an independent testing and approvals body for cable and wire. BASEC certification ensures a product meets its claimed national and international standards.



UL: A UL Listed cable or wire indicates that product samples have passed safety requirements set by the safety and certification company, Underwriters Laboratories. UL is an internationally recognised standard.

DEF STAN: A cable marked as meeting a Defence Standard (DEF STAN) will be of a high grade and high specification for use by the MoD, specifically for aircraft and military applications.

Mil Spec: A cable or wire which complies with Mil Spec (Military Specification) means it is approved for United States military use. Mil Spec can also apply to products other than cables, such as connectors.

RoHS: The Restriction of Hazardous Substances Directive specifies maximum limits of certain hazardous substances in electrical and electronic products. Cable and wire is included in this.



REACH: REACH is an acronym of Registration, Evaluation, Authorisation and Restriction of Chemicals. As a European regulation designed to protect human health from the risks posed by chemicals, REACH is applicable to cables and wires by the production and use of chemicals in the sheath and other parts.

CABLE SHEATH TYPES

A summary of commonly found sheath types in the RS range:

PVC Polyvinyl Chloride

- Excellent insulating properties
- Stable, robust, very durable
- Cost effective choice

Rubber

- Ideal for outdoor and wet environments
- Withstands rough treatment
- Abrasion proof

PTFE Polytetrafluoroethylene

ETFE Ethylene Tetrafluoroethylene (also known as TEFZEL)

- Used in high temperature applications
- Unaffected by most oils or fuels
- Certain types suitable for temperatures to 400°C

LSZH Low Smoke Zero Halogen

- Preferred type for populated or enclosed areas
- Used in trains, aircraft and shipping applications
- Suitable in areas of poor ventilation

PE Polyethylene

- Used extensively in communication cabling
- Excellent UV resistance
- Available in high and low density forms (HDPE/LDPE)

XLPE Cross linked polyethylene

- Widely used for power cables
- Improved insulating properties over PVC
- Higher current rating than PVC

EPR Ethylene propylene rubber

- Offers good weathering stability
- Heat resistant to 160°C
- Durable and long lasting

PET Polyethylene terephthalate

- Moisture resistant and tough
- Good chemical resistance
- Excellent mechanical, electrical and thermal properties

FEP Fluorinated ethylene propylene

- Good weather resistance
- Low flammability
- Good temperature stability

WIRE SIZING - AWG AND CSA

AWG - American Wire Gauge. A widely accepted measure of cross sectional area of a wire denoted as a simple number.

CSA - The surface Cross-Sectional Area of a conductor in mm².

Both units of measure are used in determining wire thickness and it is useful to remember that as AWG increases, the wire becomes thinner and the CSA decreases.

An approximate conversion between AWG and CSA is shown opposite for selected sizes.

The complete AWG range for wire contains over 40 sizes with respective cross sectional areas and current carrying capacities.

AWG	CSA (mm ²)
0	53.5
5	16.76
7	10.55
10	5.26
12	3.31
15	1.65
18	0.82
20	0.52
25	0.16



Accelerating Industrial Internet of Things (IOT)

As Industry 4.0 (I4.0) advances machine-to-machine (M2M) communications, factories can now integrate crucial processes and reduce production cycles. But are these improvements enough to make factories smarter?

It is 2:00 am, and the machine in Europe is down. The planner accesses the system and finds out that products have to be shipped in the morning.

He immediately sees open capacities and a stock of raw material in his factory in the US and triggers a start of production there. Back in Europe, a maintenance technician is informed and he sees immediately machine process data in his office and can locate the problem to a workstation.

On the shop floor, from his tablet, the technician accesses the workstation and begins modifying the data-acquisition time for the process data. In minutes, he recognizes and solves the problem. The machine is back up and running again.



UNDERSTANDING THE CHALLENGE

For most companies, this level of speed is the aspiration, not the reality. What is perhaps most significant is that this case is only about one small part of the capability a smart factory can perform. In the digital factories of tomorrow, everyday operations will include predictive maintenance, flexible machine use-and-upgradability, production and raw material footprints of goods, tracking and tracing of goods in productions with mass customization, and energy efficiency.

There are many opportunities for generating value. This involves making process data and metadata from machines more available to – and transparent for – planners and technicians, down to the most granular machine level. Looking at current machine infrastructures, there is a large quantity of data that is created but not available. The challenge is that machines have a hierarchic control structure which is – in most aspects – optimized for fast and efficient machine control. The data relevant to this control structure is transferred with very low latency, with the control system requiring cycle times in the range of milliseconds. This increases the stress on the machine control, which must process additional data that is not latency relevant. To resolve this type of challenge, our team approaches the critical issues from three perspectives.

+20%

Reduction in process inefficiencies realized.

ENABLING THE SMART FACTORY

Our Three Perspectives:
Devices, Connectivity, Content

- **Smart devices:**
Determining which components will enable data creation, starting with smart relays over additional sensors and connectors that function as smart devices, by collecting – for example – information about energy consumption or monitoring condition.
- **Physical connectivity:**
Positioning more smart devices inside a machine creates additional connections, which generates more data to be transferred and at the same time, reduces the size and cost of nodes; this leads to the need for alternative connectivity solutions including wave-guided data transfer and wireless solutions.
- **Connecting the content:**
Managing a data path for added value data; the connectivity solution will need to manage, aggregate, buffer, and process data as well as open up a secure path to transmit data to the enterprise-level IT system.

ACHIEVING RESULTS

Before we recommend our innovations to our customers, we rollout our ideas in our own digital factories. This ensures that the solutions are tested to be smart and bring the value that we anticipate. Through these initiatives, we have implemented smart-data aggregators in a model which have enabled us to visualize real-time data for complete production value streams of connectors on factory level. This enabled our production team not only to drive incredible improvements in yield and process time but also to an overall reduction in process inefficiency. In the next steps, this approach will be extended to synchronize material management and rollout the system to more TE factories

Currently, the industry is changing from traditional factories towards smart and digital factories. In this transitional phase, it is important to find solutions that can be applied to upgrade factories instead of looking only towards Greenfield applications. We believe that in this phase it is especially important to enable fast benefits that justify investment needs for the upgrade, while not losing the focus on doing this with an architecture that will leverage a variety of productivity improvements in future. This means being backwards compatible while opening new opportunities. Smart connectivity achieves this act of balances easily and is therefore our key to smart factories..

14.0

Industrial IoT, combination of information and communication with production processes.

CPC SERIES CABLE CLAMP KIT - 8.36MM MAX. BUNDLE

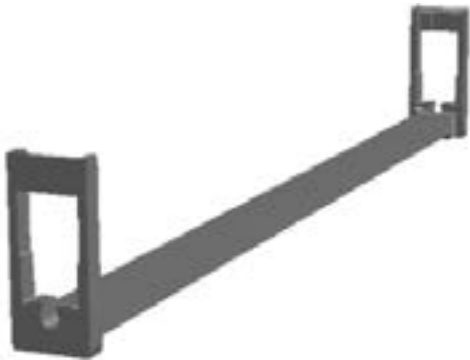
- Straight body style
- Black colour thermoplastic body material
- UL94 V-0 flammability



411-438	SIZE 17A	182655-1
411-416	SIZE 11B	182658-1
411-422	SIZE 13	182663-1

AMP-LATCH STRAIN RELIEFS

- Thermoplastic, Glass Filled



718-8813	10 POSITION	3-1437020-7
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CPC SERIES CABLE CLAMP KIT - 8.36MM MAX. BUNDLE

- Black Screw Thermoplastic Cable Clamp
- 8.36mm Max. Bundle



680-6703	EACH	1-206062-4
190-4038	BAG OF 400	1-206062-4

MATE-N-LOK CLAMP

- Compatible With Connector Shell Size 9
- UL 94V-0



720-2159	9 POSITION	316454-1
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MCP SERIES COVER - CABLE EXIT

- UL94-HB Flammability rating
- 180° Cable exit angle
- -40 to +140°C Temperature range



395-7577	BLACK VERTICAL	965784-1
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AMPLIVAR PIGTAIL WIRE SPLICE CONNECTOR

- Insulation displacing serrations in barrel eliminate need to pre-strip wire
- High tensile crimp
- Vibration and corrosion resistant
- Contaminant free high-quality electrical connection



680-1991	0.8 - 2.5MM² WIRE SIZE	62306-2
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MINISEAL BUTT SPLICE CONNECTOR

- Small and lightweight design
- Easy one-step installation
- Immersion resistant
- Environmentally sealed against liquid penetration and resulting corrosion



444-5659	0.15 - 0.75 MM²	D-436-36
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INSULATED CRIMP BOOTLACE FERRULE

- 8mm Pin Length
- 2.2mm Pin Diameter



680-3038	2 X 1.5MM² WIRE SIZE, BLACK	966144-6
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DURASEAL BUTT WIRE SPLICE CONNECTOR

- The TE Duraseal kit is especially suited for use in automotive (approved by most car manufacturers) and marine builds, where environmental sealing is important



533-673	0.25 - 1.6 MM² WIRE SIZE	DS-18-22-RS
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FASTIN-FASTON SERIES 250 RECEPTACLE AND TAB HOUSINGS

- Provide electrical and mechanical protection
- Polarization to prevent mismatching
- Nylon UL 94 V2 housings available
- Locking latches for a secure mating connection



245-1573	6.35MM TAB SIZE, NATURAL	180908-0
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PIDG INSULATED CRIMP SPADE CONNECTOR

- 2.6mm² to 6.6mm²
- 12AWG to 10AWG
- M6 Stud Size Nylon



528-9214	YELLOW	130625
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VERSAFIT V2 HEAT-SHRINK TUBING 2:1

- Flame retardant
- 2:1 shrink ratio
- Fast installation time due to low shrink temperature
- Highly flexible



874-1181	18MM	V2-18.0-0-FSP-SM
874-1172	12MM	V2-12.0-0-FSP-SM
874-1184	2.5MM	V2-25.0-0-FSP-SM

RNF100 HEAT-SHRINK TUBING 2:1 (SPOOLS)

- Excellent all round performance
- Shrink ratio 2:1
- Available in a wide range of sizes and colours



170-6428	12.7MM	RNF-100-1/2-0-STK
170-6440	25.4MM	RNF-100-10-STK
170-6377	2.4MM	RNF-100-3/32-0-STK
170-6434	19MM	RNF-100-3/4-0-STK

RNF100 HEATSHRINK TUBING 2:1 (1.2M LENGTHS)

- Excellent all round performance
- Shrink ratio 2:1
- Available in a wide range of sizes and colours



170-6620	6.4MM	RNF-100-1/4-X-STK
113-2568	38MM	RNF-100-1-1/2-X-STK
170-6664	25.4MM	RNF-100-1-X-STK
170-6614	4.8MM	RNF-100-3/16-X-STK
170-6591	3.2MM	RNF-100-1/8-X-STK

CGAT ADHESIVE LINED HEAT SHRINK TUBING 3:1

- High strength bonding
- Moisture proof
- Flame retardant jacket
- Environmental sealing



157-3903	24MM	CGAT-24/8-0
157-3824	18MM	CGAT-18/6-0
157-3795	6MM	CGAT-6/2-0
157-3789	3MM	CGAT-3/1-0-RS-157-3789
157-3830	40MM	CGAT-39/13-0

CRN SERIES HEATSHRINK TUBING 2:1

- A semi-rigid, flame retardant, black polyolefin heat shrinkable tubing
- Ideally suited for applications requiring strain relief or abrasion resistance such as solder and crimp joints
- Outstanding physical and electrical performance



342-7284	1.6MM	CRN-1/16-0-STK
342-7341	12.7MM	CRN-1/2-0-STK
342-7329	6.4MM	CRN-1/4-0-STK
342-7307	3.2MM	CRN-1/8-0-STK

CGPT SERIES REFILL FLAME RETARDANT 2:1

- Easy to store
- Easy to dispense
- Well suited for repairs
- Wide variety of sizes



170-6670	1.6MM	CGPT-R-1.6-0
170-6737	12.7MM	CGPT-R-12.7-0
170-6743	19MM	CGPT-R-19-0
170-6686	2.4MM	CGPT-R-2.4-0

HEATSHRINK PRE-PRINTED CABLE MARKERS SIZE 3//1

- Irradiated polyolefin heat-shrinkable cable markers which shrink to 33% of their supplied diameter when heated above 120°C
- The legends are printed in black against a white background, thus giving clear identification even under poor lighting conditions
- The cable markers are highly flame-retardant to ASTM B876 (burn time more than 5 seconds)



392-371	0	TRSA-1019/C/1/0
392-387	1	TRSA-1019/C/1/1
392-393	2	TRSA-1019/C/1/2
392-400	3	TRSA-1019/C/1/3

HEATSHRINK PRE-PRINTED CABLE MARKERS SIZE 12//4 - 1-9

- Irradiated polyolefin heat-shrinkable cable markers which shrink to 33% of their supplied diameter when heated above 120°C
- The legends are printed in black against a white background, thus giving clear identification even under poor lighting conditions
- The cable markers are highly flame-retardant to ASTM B876 (burn time more than 5 seconds)



393-166	0	TRSA-1019/G/1/1
393-172	1	TRSA-1019/G/1/2
393-188	2	TRSA-1019/G/1/3
393-245	3	TRSA-1019/G/1/9

HEATSHRINK PRE-PRINTED CABLE MARKERS SIZE 6//2

- Irradiated polyolefin heat-shrinkable cable markers which shrink to 33% of their supplied diameter when heated above 120°C
- The legends are printed in black against a white background, thus giving clear identification even under poor lighting conditions
- The cable markers are highly flame-retardant to ASTM B876 (burn time more than 5 seconds)



392-769	0	TRSA-1019/E/1/0
392-775	1	TRSA-1019/E/1/1
392-781	2	TRSA-1019/E/1/2
392-797	3	TRSA-1019/E/1/3

HEATSHRINK PRE-PRINTED CABLE MARKERS SIZE 12//4 - A-Z

- Irradiated polyolefin heat-shrinkable cable markers which shrink to 33% of their supplied diameter when heated above 120°C
- The legends are printed in black against a white background, thus giving clear identification even under poor lighting conditions
- The cable markers are highly flame-retardant to ASTM B876 (burn time more than 5 seconds)



393-289	A	TRSA-1019/G/1/A
393-295	B	TRSA-1019/G/1/B
393-302	C	TRSA-1019/G/1/C
393-318	D	TRSA-1019/G/1/D

TRSA HEATSHRINKABLE MARKER KITS

- Good resistance to common fluids
- Minimum shrink temperature: 80°C
- 3:1 Shrink ratio



873-9175	A-Z SIZE C WHITE	TRSA-1019/C/1/AU-KIT
873-9179	A-Z SIZE E WHITE	TRSA-1019/E/1/AU-KIT

TRSA HEATSHRINKABLE MARKER KITS

- Good resistance to common fluids
- Minimum shrink temperature: 80°C
- 3:1 Shrink ratio
-



170-4488	4-12MM	TRSA-1019/G/1-KIT-NO.3
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PROTECT IT WITH TUBING

Heat Shrink Tubing from TE Connectivity

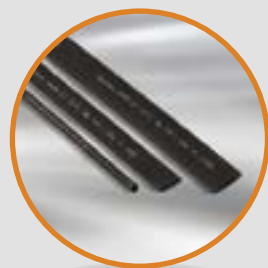
Looking for an alternative to taping, molding or potting? Do you need a reliable, flexible and water tight solution to protect your wires? Leverage TE's comprehensive portfolio of heat shrink tubing products in a wide range of applications from transportation to appliances, lighting, aerospace, industrial and more.



LEARN MORE ABOUT PRODUCTS

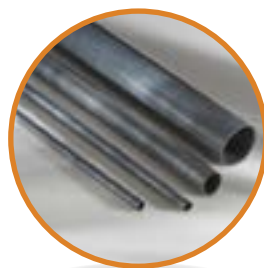
SINGLE WALL TUBING

- Bundling protection
- Abrasion resistant
- Strain relief
- Quick installation
- Variety of colors available for coding
- Low shrink temperature
- MIL-SPEC
- Meets UL VW1 - flammability
- Meets UL/CSA - electrical insulation
- Cost effective
- UL rating - minimize catastrophic failure of a system



DUAL WALL TUBING

- Waterproof - submersion
- Cable repair - bonding & sealing
- Splice sealing
- Direct burial water - proofing
- Strain relief
- Meets UL VW - 1 flammability rating
- Electrical insulation
- MIL-SPEC
- UL rating - minimize catastrophic failure of a system



SPECIALTY TUBING

- Abrasion protection
- Greater than 150°C rated - high temperature environments
- Fungal and mold protection
- UL rating - minimize catastrophic failure of a system
- Flame retardant
- Water, heat and humidity resistant
- MIL-SPEC



TOOLS



PRO-CRIMPER III RATCHET CRIMPING TOOL

- High carbon-steel construction for durability
- Extra strength pivot pins
- Ratchet control ensures that a full crimp cycle is achieved
- Standard Die Envelope (SDE) for flexibility and cost savings



314-1362 15 - 18 AWG
162-5717 28 - 16 AWG
864-3560 20 - 16AWG

58583-1
58495-1
58529-1

AMPLIMITE SERIES INSERTION & EXTRACTION TOOL

- Insertion and extraction
- Compatible contacts: HD-20
- High quality

AMP TYPE II INSERTION & EXTRACTION TOOL

- Contact Extraction
- Contact-to-Housing



301-8414 CONTACT SIZE 20

91067-2

UNIVERSAL CRIMP TOOL FOR DEUTSCH CONNECTORS

- Adjusting screw includes jam nut
- Compatible with a wide range of Deutsch connector crimps
- Lightweight and comfortable to use



425-973 16 AWG

HDT-48-00



162-5723 26 - 14 AWG

305183

MATE-N-LOK SERIES CRIMP EXTRACTION TOOL

- Stock number 115-1856 is for extracting both pin and socket contacts from Universal Mate-N-Lok from connector housings
- Stock number 782-5263 is for extracting socket contacts from Universal Mate-N-Lok from connector housings
- Stock number 782-5269 is for extracting pin contacts from Universal Mate-N-Lok from connector housings



115-1856
782-5263
782-5269

1804030-1
1-305183-2
1-305183-1



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Connectors



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PCB Terminal Blocks



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Sleeves



Cable Glands



Crimp Contacts



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