Heat-shrinkable Tubing

Heat-shrinkable tubing is available in an extensive range of materials, sizes and colours. Materials available include Fluoropolymers, Polyolefins, Elastomers, PVC and Silicone, many of which are cross-linked for enhanced performance.

Tubing sizes range from 1mm to 100mm and shrink ratios from 2:1 to 4:1 enable use in a wide range of new and retro-fit Motorsport applications.

Temperature capabilities range from -60°C to +250°C and product characteristics include excellent electrical performance, chemical & fluid resistance as well as protection against extreme environmental, mechanical, vibration and abrasive hazards.

Wire & Cable

An extensive portfolio of wire and cable is available in a wide range of constructions, gauge sizes and colours. The products cover primary wire, screened and jacketed multi-core, airframe, co-axial and custom.

Product characteristics include chemical & fluid resistance, lightweight, highly flexible and “excellent” electrical and mechanical performance. Temperature capabilities range from -65°C to +260°C allowing products to be used in even the most extreme Motorsport applications.

Interconnection & Termination Devices

Interconnection and termination devices offer an inexpensive, single step and easy to use method of producing high quality wire splicing, solder & crimp jointing, sealing and co-axial shield terminating. Temperature capabilities range from -55°C to +260°C.

Heat-shrinkable Moulded Parts & Shapes

Based on heat-shrink technology, moulded parts and shapes are available in a vast range of configurations, sizes and materials. The portfolio includes miniature, lightweight, space saving, straight, 45° and 90° boots, through to large three, four and five-way bulbous and slim-line harness transitions.

Moulded parts and shapes can be used to seal and protect harness breakouts and terminations from environmental hazards as well as providing excellent strain relief for hydraulic pipes and hoses.

A variety of construction materials offer integration with other components, enabling the electrical harness to operate in the most extreme environments.

Identification Markers & Systems

Identification and labelling solutions are an important component in any electrical system, wherever identification and traceability are required, be it a harness, wire, control panel or component.

The range covers a multitude of styles and materials including heat-shrinkable, tie-on, wrap-around and adhesive labels, all of which meet international standards.

All materials can be permanently marked using an indelible marker or printed on using dot matrix through to state of the art thermal transfer printers.

Typical performance characteristics include extreme temperatures, zero halogen, low smoke, low toxicity, chemical and abrasion resistance, electrical insulation, strain relief and UV resistance with the CCUV sleeves.

Adhesives & Potting Compounds

Products include epoxies, adhesives, potting compounds, fillers, coatings, tapes and cloths. All are capable of operating under extreme temperatures and environmental conditions. Typical characteristics include fast cure, flexibility and high expansion ratios.

Connector Accessories

Connector Nutplates provide an easy solution for securing fixed receptacle connectors in any location. The nutplates eliminate the need for separate nuts and washers and the potential to loose parts in critical areas such as engine compartments.
Protective Sleevings &
Edge Protection Products

Protective sleevings from world leading manufacturers provide protection for electrical harnesses, hoses and pipes against heat, abrasion, chemicals and electrical interference. These high performance products can be used in the most demanding Motorsport environments.

They are available in a wide variety of sizes, colours and constructions including: wrap-around, push-on, heat-shrinkable, spiral binding, metal braids and protective edging strips. Temperature capabilities range from -54ºC to an impressive +1100ºC.

Autosport Connectors

The Autosport connector series are recognised as the industry standard, offering exceptional performance and reliability under the most demanding operating environments.

Deutsch Autosport Connectors continue to set the standard for the Motorsport industry by pushing the boundaries of technology and innovation while introducing new products that match the growing demand for lower weight, smaller size and better performance.

Deutsch Autosport connectors are manufactured using high performance materials to ensure maximum performance under the harshest operating environments.

The Deutsch product range covers:
- AS Standard (3 – 128 pin) connectors
- AS Lite Connectors
- AS Ultra (3 and 5 pin) Connectors
- AS Composite connectors
- ASHD Power Connectors
- ASDD Double Density Connectors
- Hermetic Fuel Connectors
- Plus a range of new special Connectors

Features and benefits:
- Compact design
- Interfacial & wire sealing
- Utilizes standard crimping technology
- Suitable for blind mating
- 6 Keyway combinations
- Shell-to-shell grounding
- Positive locking coupling mechanism
- In-line and two hole mounting configurations

Fuses &
Circuit Breakers

High performance circuit breakers designed to meet the specifications of the Aerospace industry are now available directly to the world of Motorsport.

With outstanding reliability, superior electrical, mechanical, vibration and shock performance, as well as temperature capabilities ranging from -55ºC to +125ºC, ETA circuit breakers are ideal for Motorsport applications.

Circuit breakers are the professional method of protecting vehicle electrical systems. Circuit breakers are available in panel, surface and PCB mounting configurations and can be used for both power and low level applications.

From high power circuit breakers for battery and heavy plant isolation, through to the protection of low level (mA, µA Vdc) sensor circuits.

Switches

The portfolio offers high performance pushbutton, toggle and rotary switches from well known manufacturers with excellent and long established reputations within the Motorsport and Aerospace industries.

All three switch types provide superior performance, outstanding quality and long-term reliability even when operating under the most extreme environments.

Excellent electrical and mechanical characteristics such as load, voltage rating, contact size, materials and life expectancy ensure optimum performance when needed.

Clarendon

To compliment our portfolio Clarendon supplies an extensive range of both Aerospace and Commercial Fasteners, Seals and Cable Management products from some of the world’s leading manufacturers. The products listed are of the highest quality and are used in a wide range of demanding environments and applications. Supply partners and product ranges include –

- **Alcoa**
  - Aerospace Nuts (Kaynar / Simmonds)
  - Aerospace Bolts
  - Panel Fixings (Camloc / Tridair)
  - Thread Repair Inserts (Keenserts)
- **Thomas & Betts**
  - Ty-raps / Ty-fast
- **Unbraco**
  - Commercial Socket products
- **Trelleborg**
  - Bonded seals / O-rings

Having been established for more than 23 years Clarendon has been a market leader in both service and quality, offering unrivalled product solutions that ensure the customer is firmly at the forefront of our focus.
Cable Management Systems
Complementing the product portfolio, a vast range of professional cable management accessories are also available. Products include cable ties, adhesive backed mounts, push mounts, cable tie mounts & clips, amongst others. Products are available in a wide range of materials (from nylon to high performance stainless steel), styles, sizes and colours. Temperature capabilities range from -80°C to +538°C.

Application Tools
Application equipment designed by leading manufacturers and component suppliers are also available. Tools cover wire preparation, cutters and strippers, calibration gauges, manual and automatic cable tie installation, identification sleeve and label printing and processing equipment.

Value Added Services
IS-Motorsport offer a range of value added services, including a printing bureau, a harness design service, spooling, cut pieces, and equipment repair.

Customer Services
IS-Motorsport Inc operates a Quality Management System which complies with the requirements of ISO9001:2000 and AS9120:2005, as well as complying with supplier approval requirements for many of the world’s leading manufacturers.

Our customer services are focussed on meeting your requirements by offering:

- Dedicated business co-ordinators & full technical support
- Efficient enquiry & quotation response
- Flexible MOQ’s and pack sizes
- Next day delivery on stock items
- An extensive “Off the shelf” stock portfolio
- Extended office and warehouse hours

Suppliers
IS-Motorsport supply high performance racing products from some of the world’s leading Motorsport product manufacturers:

- APEM
- ETA
- Lemo
- Clarendon
- Federal Mogul
- OTTO
- Cotronics
- Glénair
- Panduit
- Deutsch
- Gudebrod
- Tyco Electronics (formerly Raychem)

For further information, please contact the IS-Motorsport sales team.