



LAPP GROUP

Reliably connecting the world

HARNESSING

Completing the Connection





INTRODUCTION

Lapp have become the world's leading manufacturer and distributor to industries across the globe, for various applications.

With the Lapp Systems Harnessing Service, many of our customers utilise our extensive product range of over 40,000 product articles which are suitable for almost every industry and application. Anywhere from connection and control, flexible robotic applications and data transfer. However on some harness requirements there may be the need to source a third party connector or accessory. This is where our Lapp Systems team can fully assist with their extensive knowledge and supplier base.

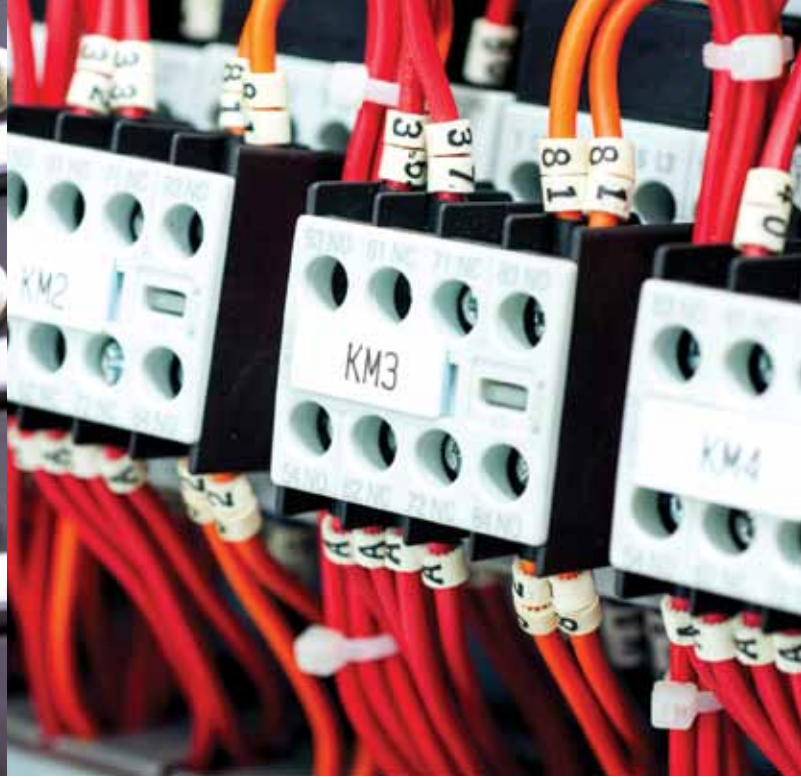
Not only can we source and produce the complete package, we can also stock the finished goods in preparation for when they are required. Helping to reduce the cash flow and stock holdings.

BOX BUILD ASSEMBLY

In conjunction with cable harnessing, we can also offer turnkey box build assembly solutions where there is a requirement for complex products that require configuration and system integration prior to despatch. Working from design briefs, schematics or end user interface information, we can provide Solid Works® drawing to support instructions for product engineering stages of the project.

Our box build service can take care of manufacturing and product testing small mechanical assemblies with no electronic requirements, break-out boxes as interfaces for I/O requirements, electronics instrumentation and control equipment through to full 19" rack assemblies.





BENEFITS

- Reduce direct and indirect overheads by using an all-in-one provider
- Decrease lead time to despatch
- Improvements in quality using a provider with a large range of tooling, resourcing and testing
- Conformity to IPC standards with ISO9001-2000 accreditation
- Lower costs due to economies of scale
- Reduce stock holding by storing your manufactured goods until project ready
- 12-month warranty on manufactured goods (Terms and conditions apply)
- Technical support services
- One purchase order, one invoice

The capabilities are endless, from a basic lead to a bespoke wiring loom Lapp is the partner to choose.



WE ENJOY THE BEST OF BOTH WORLDS. OUR POSITIONING IN THE LAPP GROUP GIVES US A GLOBAL PRESENCE, WHILE OUR INDEPENDENCE ENSURES WE CAN ACT QUICKLY AND FLEXIBLY



RAISING THE BAR

No dictionary is ever able to provide a satisfactory definition of the term “excellence”, because customers raise the bar depending on their individual requirements. And you’re right to set your sights high. Lapp Systems can overcome the highest obstacles.

Why?

Thanks to our close ties with the Lapp Group, we can draw on more than 45 years of manufacturing experience and have production sites in Germany, Switzerland, France, Italy, the Czech Republic, Sweden, India, Korea, China and the U.S.

In the Lapp Group, internationality means more than just a worldwide presence. It stands for globally standardized processes and product quality coupled with detailed know-how of the markets and country specific standards. Our employees work with customers around the world to develop both standard and special solutions at competitive prices – from single, prefabricated conductors to turnkey cable systems. If you are looking for run-of-the-mill solutions, then you have come to the wrong place. We supply high-quality products in line with the international standard DIN EN ISO 9001. We sometimes forget to highlight our innovative strength in everyday life, because the numerous clever improvements have long since become an integral part of our day-to-day business.



THE LAPP GROUP – A STRONG PARTNER

Once you've started something, you've got to follow through. And this is where our expertise really comes into its own. As we are a fully-owned company of the Lapp Group, anyone working with Lapp Systems also benefits directly or indirectly from the experience of a long-standing global player.

Let's take a quick look at the Group's history. In 1957, company founder Oskar Lapp developed ÖLFLEX®, the world's first industrially manufactured control cable. Today, 3,000 employees develop, produce and sell more than 40,000 products worldwide for this long-established family-owned company. With 17 manufacturing sites, 39 company owned sales operations, more than 100 foreign representations, and headquarters in Stuttgart, Germany, the Lapp Group is present in all key markets, with sales exceeding €1 billion in the 2013/2014 financial year. Its portfolio includes cables, cable technology, spiral cables, industrial connectors, data lines, fibre optic cables and cable marking systems. Supported by this manufacturing expertise, you can expect advanced solutions from Lapp Systems.

IT'S A WIN-WIN SITUATION

With Lapp Systems as a partner, you can concentrate on what you do best - your core business. We're more than just a link in the chain. Our employees provide you with engineering know-how along the entire value-added chain, thereby cutting costs and increasing the quality of the connection technology in your products.

Lapp Systems supplies perfectly matched customized products of the highest quality, such as cables and the associated connector technology. Overall, you are more competitive because we offer fast production, guarantee fast delivery times, and take on storage and logistics services, which means the products and systems are ready for implementation immediately. In other words, you're safe in the knowledge that you can count on an experienced and strong partner.



IDEALLY, CONNECTIONS SHOULD LAST A LIFETIME. WE DO EVERYTHING WE CAN IN THE FIELD OF CUSTOM-MADE CABLES TO ENSURE THAT THIS IS THE CASE





INDUSTRIES LAPP SYSTEMS SPECIALIZES IN:

- Mechanical engineering
- Drive engineering
- Commercial vehicles
- Automotive (high-voltage cabling / hybrid technology)
- Medical electronics
- Robotics
- Telecommunications
- Metrology
- Traffic engineering
- Wind energy
- Agricultural technology
- Stage technology
- Military Electronic
- Aerospace & Aviation

LAPP SYSTEMS CAPABILITIES

- Compliant with IPC, ISO 9001:2008 & RoHS
- Full engineering design
- Documentation including CAD drawings
- Wide range of insulation and outer sheath jackets, including ability for custom cable design
- Thousands of connector options, including rectangular, circular and pin & sleeve connectors
- 100% quality tested
- Connector over-moulding capabilities in both standard and custom offerings
- Design and fabrication of populated cable track
- Complete range of interconnect options for remote and access



OUR CUSTOMERS CAN EXPECT A FAIR PRICE, HIGH QUALITY AND FLEXIBILITY FROM OUR CUSTOM-MADE SERVICES





CUSTOM CABLE ASSEMBLIES

Lapp Systems supplies custom-made, prefabricated cable systems, special spiral cables, power chain systems, and special applications with and without over-moulding.

Our engineers and skilled sales support team provide a turn-key solution to your specific application requirements, from design concept through to prototype, production and testing. Lapp Systems provides customer assistance in the design and cost-effective assembly of servo and motor drive cables, wire harnesses, junction boxes and control panels, control panel remote access ports, populated cable chains, switch and emergency stop boxes, and non-standard industrial connector and harness products for special applications.

Our goal is to provide the entire solution for our customers. The burden of developing a concept, applying the engineering, and transitioning to production can be very taxing on company resources. Our engineering expertise and proactive assembly processes will enable a customer to conserve resources for other needs. We can review the interconnection needs, recommend connectivity solutions, provide concept drawings, quotations, final engineering drawings and quality finished products.

Lapp Systems specializes in custom cable carriers and assemblies for use in automation control and drive industries.

Research and collaboration with the major drive manufacturers has led to the development of connector cable assemblies for use with servo and VSD systems. These assemblies are custom designed by Lapp's team of experts to meet the unique demands of each application, from high flex to stationary. Custom cable carrier systems are also used in robotic and automation control applications, and feature ease of use and substantial time and cost savings, because material management and installation functions are performed by Lapp. As a result, system failures and downtime often caused by improper installation of products is eliminated, ensuring longer life and reliability in even the most demanding applications.

Steps for design

- Initial request list of requirements
- Initial design
- Review design
- CAD drawing
- Approval for drawing
- 1st Production

What can be included

- Cables
- Connectors
- Hoses
- Hydraulic Hoses
- Fibre Optics



OUR PRODUCT PORTFOLIO

Cable Systems

- Complete cable sets for mechanical engineering, the commercial vehicle industry, and many more
- Motor cables (signal and power) that are compatible with commercial standards and special solutions
- Pre-wired switchgear units for electronic and control systems High-voltage cabling (hybrid, etc.) Individual prefabricated conductors High-temperature cables with special heat-resistant connectors
- Ready-to-install connection cables with special connectors Prefabricated fibre optic cables (plastic fibres and fibre glass)
- Special customized solutions

Spiral Cables

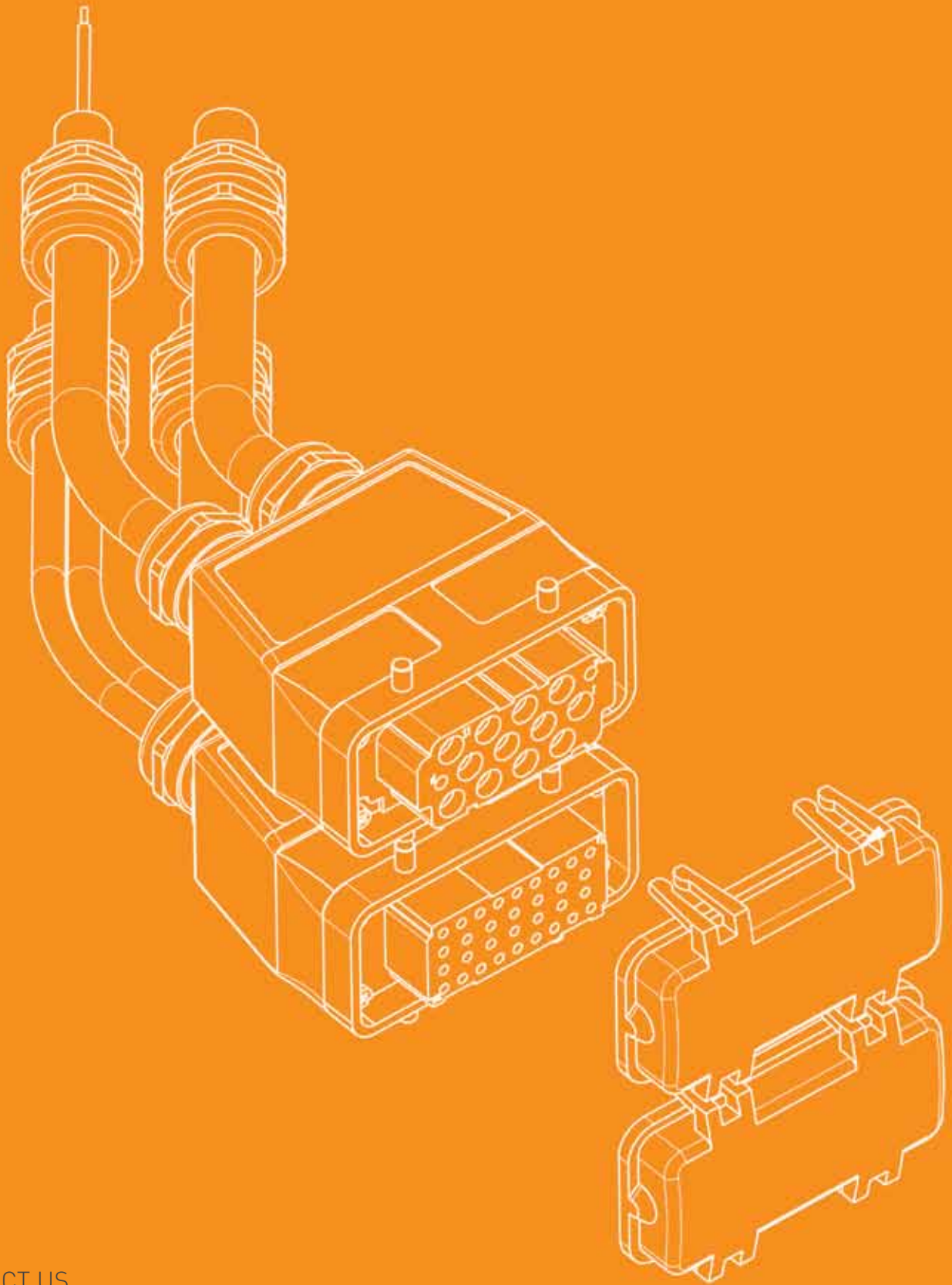
- Spiral cables for trucks (supply and EBS/ABS coils)
- Spiral cables made from standard wires
- Spiral cables made of customer-specific wires
- Spiral tubing with individual conductors and wires
- Special tapered designs

Power chain systems

- Ready-made power chains fitted with cables
- With hydraulic and pneumatic cables
- With mechanical connection technology
- In plastic and metal designs

Special applications

- Cabling systems for robot applications (Including tubing packages, etc.)
- Fabric tape cables for power and data systems
- Fabric tapes to customer specifications
- Alternatives to traditional methods (Travelling cables for stage technology, as drag chains in mechanical engineering or in the electrical installation of elevators)



CONTACT US

Unit 3 Perivale Park
Horsenden Lane South
Greenford
Middlesex
UB6 7RL