

Press Release

New LAPP products for the rail industry

A wide range of products delivered at speed



LAPP adds to its rail industry range

Bangalore, March 26th, 2019

LAPP has added several new cables and system products to its range of products for the rail sector. The global market leader for integrated connection solutions is currently shaking up the industry with its incredible new logistics set-up. Other providers are only able to produce to order and demand high minimum order quantities. By contrast, LAPP is able to deliver any amount – even small packages – off the shelf. The result is a drastic shortening of delivery times around the world, from up to three months to less than a week. This helps users to reduce inventories and respond to new requirements even faster. Most of the new cables are now also available off the shelf. The following items are new to the range:

- **ÖLFLEX CLASSIC 110H SF:** This control cable is the workhorse of the LAPP portfolio. After being used successfully in factories in countless variants, the cable is now also available for trains. Here, it can be used to power doors, lighting or air conditioning systems. With its Class 6 conductors, the new variant is extremely flexible, allowing for installation in tight spaces. Further variants include the shielded ÖLFLEX CLASSIC 115 CH SF and ÖLFLEX CLASSIC 115 CH SF (TP). The latter features a twisted-pair design that makes it suitable for entertainment systems or

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transferring data to a driver's control panel. Just like all of LAPP's cables for the rail industry, the new products meet the requirements for fire protection in rail vehicles as per EN 45545-2.

- ÖLFLEX TRAIN HT150: This single-core silicon cable is designed for use at high temperatures and can withstand up to 150°C. Possible applications include engines or power converters. The cable is rated at Hazard Level 3, the highest hazard level for fire protection. It is also certified to EN 50382-2 for the construction of silicone cables. It is available in cross-sections of 1.5 mm² to 400 mm² with 1.8 kV or 3.6 kV. It features a two-layer sheath with silicone insulation, and is also available with a single-layer sheath and Class 6 conductors. This makes it flexible and suitable for installation in positions with tight bending radii.
- ÖLFLEX TRAIN 340 and ÖLFLEX TRAIN 345C: LAPP has significantly expanded its tried-and-tested range of power and control cables to meet the high demands of the rail sector in line with EN 50264-3-2. These cables are now available in cross-sections of 0.5 mm² to 50 mm² and with between two and 40 cores. They are suitable for various purposes, including outdoor installation, as their black sheath resists UV light. These products also withstand high temperatures, oil and fuel, and are certified to EN 45545-2.

Power and control cables are not the only products LAPP sells to the rail industry. The company also offers the complete range of data connection technology and is constantly expanding its range of connectors and system products, such as cable glands, cable inlets and cable protection systems as well as labelling solutions and tools.

- Also new to the range and approved in line with DIN EN 45545-2 is the SKINTOP ST-HF-M in black with increased UV resistance for outdoor use. In addition to vibration protection, optimum strain relief and oil resistance, which all result from the tried-and-tested high functional safety, the plastic glands in the SKINTOP ST-HF-M series are approved for use in the rail industry in line with EN 45545-2 (Hazard Level 3). All materials, including the seals, are also 100% halogen-free. In addition to the light grey design for interior applications, there is now a black version with improved UV resistance for outdoor use.
- The brass glands in the SKINTOPMS-HF-M series fulfil the strictest requirements in line with EN 45545-2 (Hazard Level 3) and EN 45545-3 (E30 fire resistance).
- They are available with a shield contact spring as SKINTOP MS-HF-M SC or with a brush insert as SKINTOP MS-HF-M BRUSH in EMC applications for shielded ÖLFLEX TRAIN cables.
- SKINTOP MS-HF-M GRIP is highly suitable where extreme strain relief is also required – the double clamp ensures additional centred strain relief and improved bending protection.

Numerous EPIC rectangular connectors are also suitable and approved for the special requirements of the rail industry.

- The EPIC MH modular connector system, for example, also fulfils EN 45545-2 requirements, is highly resistant and is very quick to assemble. The fixed frame enables one module after the other to be simply locked in place, so EPIC MH is pluggable, even with standard products on the market. When connecting cables in the EPIC MH system, LAPP relies on crimp contacts, which are

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highly vibration-proof and thus offer a very important advantage for the rail industry in comparison to screwed contacts. Another special feature of the EPIC MH is the gigabit module for connecting Etherline Cat. 7 cables to facilitate ultra-high-speed data transmission in modern trains.

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About LAPP India

[LAPP in India](#) is a 100% subsidiary of LAPP Group. Having started its operations in 1998, LAPP in India provides about 200,000 km per year of power, control, instrumentation and data cables along with connectors, accessories and End-to-End Systems to over 7000 customers pan India. Our customers are spread across different industry segments such as automation, textile, automotive, machine tools, oil and gas, renewable energy, process industries, as well as in the infrastructure and building sectors.

- 23 Sales offices close to customers all over India & 5 service points
- 300 Employees committed to best serve customers
- Strong network of 180 dealers
- 2 Manufacturing units - Bangalore and Bhopal
- 5 Warehouses
- State-of-the-art laboratory
- Fully fledged Innovation and Engineering Centre
- 3 Centres of Excellence in reputed engineering colleges to foster Innovation

In 2012, LAPP in India completed phase one of its second manufacturing plant in Pilukedi, Bhopal which produces more than 216,000 kms of single core cables per annum, catering mainly to the Building Cable Segment. The production area at Jigani was also doubled in 2014 and a new multi-core line was commissioned in Bhopal with a total investment of over 5 Million Euros.

LAPP brands – ÖLFLEX®, UNITRONIC®, ETHERLINE®, HITRONIC®, EPIC®, SKINTOP®, SILVYN®, FLEXIMARK® – are some of the best-known in the cable technology field and have earned an outstanding reputation as premium products. All over the world, they stand for the values which LAPP and their customers consider paramount: high quality, durability and reliability.

LAPP now offers ÖLFLEX® CONNECT, its customized cable assembly solution ranging from specialised cable assemblies and industry-standard servo connections to complex high-speed drag chain systems. This plug and play solution displays superior German quality and high competence. LAPP to



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further strengthen its offering for automation especially smart factories, we have introduced ETHERLINE® ACCESS, the managed and unmanaged switches. This ensures that the customers can now buy industrial network solution ranging from data cables, connectors, accessories to industrial active network components from one single source.

LAPP in India has pan-India presence with dedicated regional Sales & Marketing offices in Delhi, Mumbai, Kolkata, Chennai, Pune and Bangalore to serve the customers across various industry segments. LAPP customers can also shop anytime, anywhere on LAPP's E-Shop (<https://shopasia.lappgroup.com/in/>), a dedicated e-commerce platform with over 20,000 products at a click of a button. The e-Shop promises secure payment options and 24/7 availability of LAPP products with delivery lead time of 48 hrs.

About LAPP:

Headquartered in Stuttgart, Germany, LAPP is a leading supplier of integrated solutions and branded products in the field of cable and connection technology. The company's portfolio includes standard and highly flexible cables, industrial connectors and cable entry systems, customized system solutions, automation technology and robotics solutions for the intelligent factory of the future, as well as technical accessories. LAPP's core market is in the industrial machinery and plant engineering sector. Other key markets are in the food industry as well as the energy and the mobility sector.

LAPP has remained in continuous family ownership since it was founded in 1959. In the 2016/17 business year, it generated consolidated revenue of 1,027 million euros. LAPP currently employs approximately 3,770 people across the world, has 17 production sites and around 40 sales companies. It also works in cooperation with around 100 foreign representatives.