

Press release

New products from LAPP for mechanical and plant engineering

Off outside with the black UNITRONIC® LiYY/LIYCY



The black UNITRONIC® LiYY/LIYCY for outdoor use

Stuttgart, 12 April 2021

It's a simple truth: If you go out, you should dress accordingly. This also applies to cables. When they are installed outdoors, they should also be UV-resistant. LAPP now has four PVC cables for data and signal transmission in the low-frequency range with a black outer sheath (BK) in its portfolio. This makes them suitable for outdoor use in accordance with DIN EN ISO 4892-2.

For example, the classic data and signal transmission cable is available with a black outer sheath, the **UNITRONIC® LiYY BK**. A wide range of dimensions are available for a wide range of applications. The compact design enables small outer diameters despite the high number of cores. The classified fire behaviour properties are defined in accordance with EU Directive 305/2011 (BauPVO/CPR). This means that the new black UNITRONIC® can be used universally on machine interfaces for many applications for data and signal transmission in the low-frequency range. For example for computer systems, electronic control and regulation devices, office machines or scales. It is suitable for fixed installation or for light mechanical stress and can be used in dry and damp environments.

For outdoor use, LAPP also has the new twisted pair version **UNITRONIC® LiYY (TP) BK** in its portfolio. Thanks to the twisted pair (TP) with short lay lengths, the conductor circuits are well decoupled. The shielded **UNITRONIC® LiYCY BK** is also available. Thanks to its copper

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braiding, it protects against capacitive interference from electrical fields with a high degree of coverage. It is supplemented by the shielded version with twisted pairs **UNITRONIC® LiYCY (TP) BK**.

However, the global market leader for integrated solutions in the field of cable and connection technology has even more new products in its spring portfolio. The **single core H07V-U with HAR design certification** according to EN 50525-2-31 is now also available as a 100-metre ring. The compact single core with solid conductor is available in various colours and is suitable for versatile use in building technology and cabinet construction. The longer ring length means shorter distances to be covered by the electrical fitters. Combined with the TRONIC module and the TRONIC single-core trolley, the single core can be cut to length in a controlled manner and stored compactly.

Another new feature is the **ÖLFLEX® PLUG 540 P**. This is a connection assembly with the proven ÖLFLEX® 540 P cable for appliance and cabinet construction. The ready-to-use connection assembly saves time during installation and impresses with its multi-strength cable, compatibility with various connector systems (type E, type F and with pole assignment according to the Czech CSN standard) and the third-party certification. The integrated ÖLFLEX® 540 P cable withstands high mechanical loads, is resistant to acids and alkalis and is partially oil-resistant. It is suitable for different applications depending on the number of cores, conductor cross-section and connector type. The 3-core versions with protection rating IP 44 are even suitable for outdoor use in Europe and can be exposed to rain.

The cable strain relief is already integrated into the metric, liquid-tight **SILVYN® FPAD-M** conduit gland. It remains reliably sealed thanks to a lock protection. The robust polyamide makes it more oil-resistant and mechanically resistant. The SILVYN® FPAD-M is available in various metric sizes and two protection classes (IP 66 or IP 68) and can be optimally supplemented with the established protective conduits SILVYN® FPAS and SILVYN® HCC.

LAPP's portfolio includes the **SKINTOP® MS-M 40x1.5 PLUS** for the optimum assembly of a cable with a rectangular connector housing. Thanks to the M40 external thread, it can be screwed onto a proven M40 standard hood. Due to the extended M50 clamping range (27-35 mm), cables with larger diameters (> 28 mm) can now also be fed through. Expensive special housings are no longer required. This is particularly advantageous for applications with limited space. The new cable gland enables sealing in accordance with protection class IP 68 and IP 69, withstands high mechanical and chemical loads, and is even suitable for outdoor use.

You can also find out about LAPP's new products at the digital edition of the Hanover Fair from 12 - 16 April 2021.

You can find the image in printable quality [here](#)

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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 2019/20 business year, it generated consolidated revenue of 1,128 million euros. LAPP (including also non-consolidated entities) currently employs approximately 4,575 people across the world, has 20 production sites and around 43 sales companies. It also works in cooperation with around 100 foreign representatives.



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