

## Press information

LAPP uses new bio-based plastic from BASF

### Organic ETHERLINE<sup>®</sup> now available too

*Stuttgart/Ludwigshafen, 14. April 2023* – When it comes to sustainability, LAPP and BASF are working together. Both companies want their products to help reduce the carbon footprint. An important component is the use of bio-based plastics. LAPP will now be presenting the first Ethernet cable with a bio-based sheathing in Hall 11, C05 at the Hannover Messe. The compound was developed by the chemical company BASF.

The ETHERLINE<sup>®</sup> FD P Cat.5e for Industrial Ethernet has in fact been part of the LAPP portfolio for a long time now. It is ideal for patch cable applications and also for cable chains. Now, however, it is additionally available as a sustainable variant. For this cable, the global market leader for integrated solutions in the field of cable and connection technology has replaced the TPU sheath material (thermoplastic polyurethane) from BASF - previously based on fossil raw materials - with a TPU from BASF that is based on renewable raw materials. "Using plastics from rapidly renewable raw materials with an organic basis is a great way for us to reduce the need for plastics from fossil raw materials and at the same time reduce the carbon footprint of our products," says Alexander Terpe, Head of Cable Product Development at U.I. Lapp GmbH.

#### **Sustainability begins with sustainable products**

The bio-based plastic in question is Elastollan<sup>®</sup> N, the thermoplastic polyurethane from BASF. It is a corn-based biopolymer. Depending on the type of TPU, the proportion of renewable raw material is 45 to 60%. The highlight, the TPU offers the same durability, flexibility and mechanical properties as well as the hydrolysis, chemical and UV resistance as conventional Elastollan<sup>®</sup>. Even the processability parameters are retained.

A special feature is that the proportion of biomaterial in the finished product can actually not only be detected, but precisely measured (according to ASTM D 6866).

"BASF's bio-based TPU is a true high performer and is in no way inferior to conventional fossil fuel. A quick changeover in production is possible and the right step to bring our customer real added value through a sustainable product," explains Oliver Mühren, Group Manager Sales at BASF Polyurethanes GmbH.

Looking at the life cycle assessment, the bio-based product achieves an improvement in CO<sub>2</sub> footprint of approximately 15%. And so, it is the logical consequence that the Elastollan® N is part of BASF's circular economy strategy and contributes to saving fossil resources and CO<sub>2</sub> emissions. LAPP is also aiming, step by step, to further expand its portfolio of bio-based sheath materials.

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## Images

For this press release, you will be provided with digital images in printable resolution. The photos may be used free of charge. No graphical editing is permitted, except for cropping the main motif.



### Organic ETHERLINE® FD P Cat.5e

The ETHERLINE® FD P Cat.5e for Industrial Ethernet is now also available as a sustainable version thanks to BASF's bio-based TPU.

Photo: LAPP

You can download the image [here](#).

More pictures on request.

## Press contact

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## About BASF

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. More than 111,000 employees in the BASF Group contribute to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio comprises six segments: Chemicals, Materials, Industrial Solutions, Surface Technologies, Nutrition & Care and Agricultural Solutions. BASF generated sales of €87.3 billion in 2022. BASF shares are traded on the stock exchange in Frankfurt (BAS) and as American Depositary Receipts (BASFY) in the United States. Further information at [www.basf.com](http://www.basf.com).

## 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 screw technology, customised 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, logistics, as well as the energy and the mobility sector.

The company was founded in 1959 and is still fully owned by the founding family to this day. In the 2021/22 financial year, it generated a

consolidated turnover of EUR 1,864 million. LAPP (including its non-consolidated companies) currently employs approximately 5,055 people across the world, produces at 19 international sites and has over 41 sales companies. LAPP also cooperates with around 100 international offices.

You can find more information on this topic here:

<https://www.lapp.com/en/de/news/presse/e/000143>

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