

## **FastConnect cable from igus reduces harnessing time by 46 per cent**

**New flexible chainflex Profinet cable saves time-consuming stripping with knife and pliers**

**igus now offers a new chainflex Profinet cable for fast cable harnessing in the field. For this purpose, igus relies on FastConnect technology, which ensures that the cable can be stripped easily in just a few steps. This allows assembly time to be reduced by 46 per cent. At the same time, the new Profinet cable has a long service life, especially in dynamic use in the energy chain, and a guarantee of up to 36 months.**

Profinet is the most widespread industrial Ethernet communication system in the world. Thanks to Profinet technology, even large amounts of data can be transmitted at up to 100 Mbit/s on the basis of the Ethernet protocol. Profinet cables are often used in combination with an RJ45 connector in machine tools, packaging technology or in the field of handling. While many machine and plant operators already rely on ready-to-connect readychain energy chain systems, users in the field need cables from the drum which they adapt to the length and harness themselves. This may be the case, for example, if the cable has to be guided through a screw connection into the switch cabinet. Here, the only thing that fits through is the cable but not the connector. To quickly join the connector to the cable, igus has now developed FastConnect technology for its highly flexible chainflex Profinet cables. It ensures that the new CF898.061.FC can be stripped and fitted with a connector in just a few steps.

### **FastConnect for precise and secure plug connections**

The cable, a connector and a stripping tool: that's all the electrician needs for the harnessing. For this purpose, igus has designed the inner jacket, the shield and the outer jacket in such a way that the user only has to set the tool once, then remove the cable, insert the connector and close it. The whole process saves 46 per cent time compared to the conventional stripping of a classic cable with pliers and a knife. "With the new Profinet cable, we can offer users a highly flexible cable solution that is quick to assemble and at the same time has a long service life in moving applications", explains Andreas Muckes, Head of Product

Management chainflex cables at igus GmbH. Like all igus products, the CF898.061.FC is also tested in the company's own 3,800 square metre test laboratory. "Real tests in real applications are important to us, because only in this way can we reliably prove and promise our chainflex service life guarantee of up to 36 months", says Andreas Muckes. In the still ongoing tests in the e-chain, the Profinet cable has already successfully exceeded the mark of 7.8 million strokes.

**Caption:**



**Picture PM1521-1**

The FastConnect technology for chainflex Profinet cables ensures fast connector harnessing. (Source: igus GmbH)

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### ABOUT IGUS:

igus GmbH develops and produces motion plastics. These lubrication-free, high-performance polymers improve technology and reduce costs wherever things move. In energy supplies, highly flexible cables, plain and linear bearings as well as lead screw technology made of tribo-polymers, igus is the worldwide market leader. The family-run company based in Cologne, Germany, is represented in 35 countries and employs 4,150 people across the globe. In 2020, igus generated a turnover of €727 million. Research in the industry's largest test laboratories constantly yields innovations and more security for users. 234,000 articles are available from stock and the service life can be calculated online. In recent years, the company has expanded by creating internal startups, e.g. for ball bearings, robot drives, 3D printing, the RBTX platform for Lean Robotics and intelligent "smart plastics" for Industry 4.0. Among the most important environmental investments are the "change" programme – recycling of used e-chains - and the participation in an enterprise that produces oil from plastic waste. (Plastic2Oil).

The terms "igus", "Apro", "chainflex", "CFRIP", "conprotect", "CTD", "drygear", "drylin", "dry-tech", "dryspin", "easy chain", "e-chain", "e-chain-systems", "e-ketten", "e-kettensysteme", "e-skin", "e-spool", "flizz", "igear", "iglidur", "igubal", "kineKIT", "manus", "motion plastics", "pikchain", "plastics for longer life", "readychain", "readycable", "ReBeL", "speedigus", "tribofilament", "triflex", "robotlink", "xirodur" and "xiros" are protected by trademark laws in the Federal Republic of Germany and internationally, where applicable.