

## **igus FastConnect system reduces assembly time by 46%**

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

igus now offers a new chainflex Profinet cable for the fast connection of cables in the field. For this purpose, igus has developed “FastConnect” technology, allowing the cable to be easily stripped in just a few simple steps, reducing assembly time by 46 per cent. The new Profinet system also has a long service life, especially when used dynamically in energy chains, and a 36-month warranty.

Profinet is the world's most widely used industrial Ethernet communication system for industry. With Profinet technology, even large amounts of data can be transferred at up to 100 Mbps when coupled to the Ethernet protocol. The Profinet cables are often used in combination with an RJ45 Ethernet connector in the machine tool, packaging or material handling machine.

While many machine and plant operators already focus on ready-to-connect power chain systems, field operators need cables stored on a drum, which are cut to the required length and then assembled. Occasionally, the cable has to be connected using a screw connection directly into the control cabinet with no plug. Demonstrating igus's devotion to ease and speed of fitting, to quickly connect the connector to the cable igus has now developed FastConnect technology for its flexible chainflex Profinet cables. This system ensures that the new CF898.061.FC cable can be prepared and fitted with a connector in just a few simple steps, saving time and money.

#### **FastConnect for precise and secure connectors**

The wire, a connector and a stripping tool is all the electrician or operator needs for assembly. igus has designed the inner insulation, the screen and the outer insulation so that the user only has to adjust the tool once, then the insulation pulls off, the operator inserts the plug and crimps it. The new, faster process has been calculated to save about half the time (46%) compared to the conventional Abisolieren classic cable used with stripping pliers and a knife.






"With the new Profinet cable, we can offer users a highly flexible cable solution that can be assembled quickly and at the same time has a long service life in moving e-chain applications," explains John Barker, Product Manager of chainflex Cables at igus UK. Like all igus products, the CF898.061.FC is also quality checked in igus's 3,800 square metre test laboratory in Cologne. "Real tests in real applications are important to us, because only then can we reliably prove and promise our chainflex lifetime warranty of up to 36-months," adds Barker. The current test series in the e-chain are still running, where the Profinet cable has already successfully exceeded the 7.8 million cycles.

**Figure PM1521-1**



The FastConnect technology for chainflex Profinet cables can save nearly 50% time on normal cable/connector assembly.

**igus resources:**

-  LiveChat with our technical team at [igus.co.uk](https://www.igus.co.uk)
-  Follow us at [twitter.com/igusUK](https://twitter.com/igusUK)
-  Watch our videos at [igus.co.uk/YouTube](https://www.igus.co.uk/YouTube)
-  Connect to us at [igus.co.uk/Facebook](https://www.igus.co.uk/Facebook)
-  Read our blog at [blog.igus.co.uk](https://www.blog.igus.co.uk)

**About igus:**

Based in Northampton in the UK and with global headquarters in Cologne, Germany, igus is a leading international manufacturer of energy chain systems and polymer plain bearings. The family-run company is represented in 31 countries and employs over 4000 people around the world. In 2019, igus generated a turnover of 764 million euros with motion plastics, plastic components for moving applications.

With plastic bearing experience since 1964, cable carrier experience since 1971 and continuous-flex cable experience since 1989, igus provides the right solution based on 100,000 products available from stock, with between 1,500 and 2,500 new product introductions each year. igus operates the largest test laboratories and factories in its sector to offer customers quick turnaround times on innovative products and solutions tailored to their needs.

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