

Advancing developments: igus honoured as SPE Network Pioneer Member

igus now also offers fully harnessed cables for Single Pair Ethernet technology, especially for use in e-chains.

Single Pair Ethernet is currently one of the biggest trend topics in the field of data communication in order to be able to communicate with even the smallest sensors. In addition to compact connectors, slim cables are also in demand. For this purpose, igus has developed a highly flexible Single Pair Ethernet cable especially for dynamic use in the energy chain, and now also offers it harnessed as a ready-to-connect and tested readycable. To further advance the research of the technology, igus joined the SPE Industrial Partner Network in 2019 and has now received the "PIONEER Member" award.

Single Pair Ethernet - also known as SPE for short - has been on everyone's lips since 2019. A lot of hope lies in the new compact data technology, which the industry now wants to harness in order to enable Ethernet-based communication with even the smallest sensors or cameras. One of two networks driving SPE research is the SPE Industrial Partner Network. Together with six other members, connector specialist Harting founded the network in 2019. Shortly afterwards, igus joined as a partner for the dynamic use of cables. The motion plastics specialist has now received the Pioneer Member Award for this collaboration. "We have been working with Harting on various projects for several years. So we also got involved quite early in the development of a Single Pair Ethernet cable that is specially designed for use in the energy chain and is compatible with the Harting T1 connector", says Andreas Muckes, Head of Product Management chainflex cables at igus GmbH. "We are looking forward to advancing the technology together with many renowned companies and implementing new applications together in the near future." igus presented the first highly flexible cable for Single Pair Ethernet at SPS 2019.

SPE cable ready to connect immediately

The new cable is precisely designed for the T1 connector interface. The combination of cable and connector is extremely robust: igus uses a highly abrasion-resistant and notch-resistant PUR jacket, and the connector has tough metal latches with a PCB socket. Reducing the size of the cable and connector creates additional space in the e-chain and in the connecting area of the control system. The oil-resistant and flame-retardant CFBUS.PUR.042 has been extensively tested in the 3,800 square metre igus test laboratory. As with all more than 1,300 chainflex cables, the user also receives a guarantee of up to 36 months for the Single Pair Ethernet cable. So that customers do not have to buy and harness connectors and cables separately, the chainflex cable is not only available as sold by the metre, but also as a ready-to-connect and tested readycable in the igus online shop. In the meantime, there are other connector options for SPE on the market, which should enable various customer requirements. "Therefore, we also test our SPE cable with other connectors in order to be able to offer the customer the optimal solution for their requirements", explains Andreas Muckes.

You can find more information on the SPE cable from igus at:

<https://www.igus.in/info/n20-single-pair-ethernet-spe>

Go to the SPE Industrial Partner Network website:

<https://www.single-pair-ethernet.com/en>

Caption:



Picture PM1421-1

As the 11th member of the SPE Industrial Network, igus has now received the "PIONEER Member" award. The motion cable specialist now offers a highly flexible harnessed e-chain cable for Single Pair Ethernet technology. (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).

PRESS RELEASE



The terms "igus", "Apiro", "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", "robolink", "xirodur" and "xiros" are protected by trademark laws in the Federal Republic of Germany and internationally, where applicable.