



Increased Productivity with PROFINET

High-performance real time communication on field level

PROFINET (Process Field Network) has become indispensable in the industrial environment. In 2021, the total number of installed PROFINET nodes exceeded 40 million. As an open standard, PROFINET enables high-performance networks and manufacturer-independent automation solutions for smart factories - on field level and in real time. With the wide range of PROFINET products from LAPP you are well equipped for the digital transformation and the factory of the future.

Advantages:

- Perfect Match: Implement the perfect topology option for you network
- Copper and fiber optics: benefit from flexibility in terms of media
- Fast, user friendly and efficient network commissioning
- Fast start-up: PROFINET identifies devices in under 500 ms and connects them with the I/O controller
- Preventing downtime and assisting with troubleshooting due to best-in-class diagnostics

FAST CONNECT FOR PROFINET

Thanks to a specially designed internal sheath and a cross separator instead of pair screening the Fast Connect structure facilitates assembly. The assembly time is reduced enormously. All shielding and application requirements are optimally served. In addition, the time-consuming fourfold removal of the pair shielding is no longer necessary for cables of the Cat.6A standard. With the appropriate tool, the insulation can be stripped directly to the wire pairs.





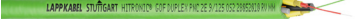









Find out more:
<https://products.lappgroup.com/technologies-profinet>



U.I. Lapp GmbH
Schulze-Delitzsch-Straße 25 · 70565 Stuttgart
Tel.: 0711 7838-01 · Fax: 0711 7838-2640
www.lappkabel.de · info@lappkabel.de



Connection Solutions according to PROFINET standard

	Product	Technical characteristics
	ETHERLINE® FD P FC Cat.5	Industrial Ethernet cable Cat.5 for highflexible use, for PROFINET-applications Type C; UL- approval
	ETHERLINE® PN Cat.6A FD FC	Industrial Ethernet cable Cat.6A for highflexible use in cable chain, 4 pairs, PVC or PUR outer sheath with UL-approval
	HITRONIC® GOF DUPLEX PNC	Compliant to PROFINET standard Type C
	HITRONIC® PCF DUPLEX FD PNC PVC-PUR	PROFINET compliant optical cables accordingly Type B and Type C with 2K200/230 PCF twin cable, colour coded
	HITRONIC® POF DUPLEX PNB PA-PUR	PROFINET compliant optical cables accordingly Type B and Type C with 2P980/1000 POF twin buffered fibres, colour coded
	ETHERLINE® PN Cabinet Cat.6A	Patchcords category 6A - for cabinet use in PROFINET applications
	ETHERLINE® PN Flex Cat.5 M12	Industrial Ethernet Patchcord, PROFINET Type B, Cat.5, plug M12, D-coded, PVC, flexible
	ETHERLINE® PN FD Cat.5 RJ45	Industrial Ethernet Patchcord, PROFINET Type C, Cat.5, plug RJ45, PUR, for cable chain
	EPIC® DATA RJ45	RJ45 field mountable Industrial Ethernet connector, straight or angled, IP20, qualified for up to 10 Gbit/s, colour-coded for TIA or PROFINET applications
	EPIC® DATA M12D	Industrial Ethernet connectors, M12 D-coded, for 2-pair Cat.5 cables up to 100 MBit/s, with Ethernet or PROFINET colour coding
	ETHERLINE® ACCESS PNF	Industrial network switches for ethernet based solutions in Smart Factories, compact design, compatible for PROFINET networks
	ETHERLINE® ACCESS PN IP67	Industrial network switches for ethernet based solutions in Smart Factories, IP67, compatible for PROFINET networks