

WHY USING SPE?



OPEN COMMUNICATION TOOL

No dependency on manufacturer or software



ENABLER FOR IIOT

Barrier-free communication from the sensor to the cloud



HIGHER EFFICIENCY

Cost efficient through higher packing density and higher flexibility through weight saving



STANDARDIZED INTERFACE FOR PLANNING SECURITY

No proprietary solution. Possible exchange of components due to standardization IEC 63171-6



FULL COMPATIBILITY

Compatible with Time Sensitive Networking (TSN), OPC UA and all common Industrial Ethernet Systems



UP TO 10 GBIT/S FOR AUTOMATION NETWORKS

Enables high data rates for vision and 3D applications in the field



PODL - POWER OVER DATA LINE

Data and power up to 50W over a single twisted pair



HYBRID POWER DATA SOLUTION

Power levels beyond PODL 24V up to 96W and 48V up to 392W



INDUSTRIAL
PARTNER
NETWORK

SINGLE PAIR ETHERNET

THE INFRASTRUCTURE
FOR IIOT

SPE INDUSTRIAL PARTNER NETWORK

OVER 50 INTERNATIONAL TECHNOLOGY LEADERS



Over 50 international technology leaders cooperate in the SPE Industrial Partner Network and establish Single Pair Ethernet technology at all levels of an emerging SPE ecosystem. In this way, we actively help users to implement IIoT solutions and enable continuous Ethernet communication from the cloud to every sensor. We actively shape international standards and create the secure investment basis for future networks on a single twisted pair basis.

We remove barriers for the IIoT, increase efficiency for future networks and reduce costs for IIoT applications.
We are a knowledge broker, contact partner and investment security for early adopters of SPE technology.

✓ SPE cables withstand significantly more bending cycles in robotic applications and thus offer a longer service life and cost savings.

✓ Safes 1,6kg/100m compared to standard Ethernet cables.
✓ Safes about 21.000 Euro per 100m cable in transportation applications.

✓ Independence and investment security through international and manufacturer-independent standards for connectors, cables, transmission standards and device components.

✓ Brings GBit Ethernet cost-effectively to the sensor/actuator level of automation for the first time. Eliminates the need for gateways, BUS couplers and translators.

**ANY QUESTIONS?
TALK TO US**



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