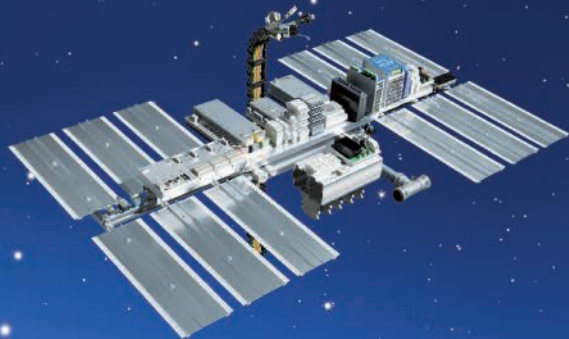


Efficiency in Automation

Cable • Connectivity • Cabinet • Control



SPS IPC Drives Nuremberg

28.-30. November 2017

Hall 9 Stand 311



SYSTEMATIC TECHNOLOGY

Efficiency in Automation

**Efficiency in Automation:
This statement reflects the
philosophy of our entire company**

As experienced specialists in Automation Technology with solutions for highly flexible cables, cable manufacturing, interfaces, current monitoring and control cabinet wiring, we have been

focusing on efficiency for many years.

LÜTZE defines efficiency in the automation field as the use of sustainable products and solutions to increase the performance of your plant.

This innovation flyer contains many interesting examples of this.

Join LÜTZE in **Hall 9 Stand 311**.

We are looking forward to your visit!

LÜTZE Sustainable Solutions Hall 9 Stand 311

LÜTZE *Sky*BLUE - Efficiency for environment

*Sky***BLUE**
LÜTZE



Further info about our
*Sky***BLUE**-campaign
<http://bit.ly/RV2sln>

LÜTZE [®]
SYSTEMATIC TECHNOLOGY

Complete system for a better climate inside the control cabinet

LÜTZE's *AirSTREAM* is a complete system to optimize the temperature of the control cabinet modules.

Come to the LÜTZE stand and try out the *AirSTREAM Test + Simulation* to detect the various ways of reducing machine downtime and ensuring higher energy efficiency in the control cabinet.

1. Recognizing the problem:

- Hotspots and/or high power costs through the use of air conditioning
- Machine downtimes
- Control cabinet thermodynamic design considerations



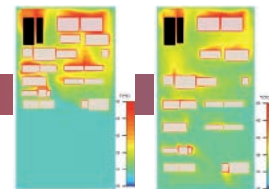
2. Discover differences:

- *AirTEMP* thermal simulation with different wiring types and cooling systems



3. Optimize:

- Thermally improved arrangement of the components
- Component density
- Component placement



AirSTREAM Test + Simulation

Less machine downtime and higher energy efficiency

4. Climate inside the control cabinet:

- The use of the **AirBLOWER**
- Intelligent air guidance thanks to **AirBLADES**



5. Plan the control cabinet:

- Use of the free **AirSTREAM** online configurator



6. Find a solution:

- Longer lifecycle of the electrical components
- Power savings thanks to reduced energy requirements for air conditions
- Fewer machine downtimes
- Higher energy efficiency



Time lapse!
How to solve Hotspots
with the **AirBLOWER**
<http://bit.ly/2mMBwuY>

LÜTZE *AirTEMP* and *AirBLOWER*

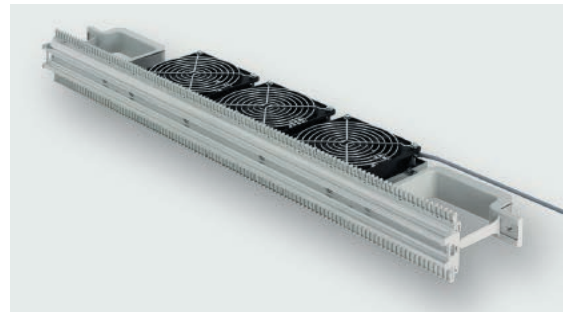


NEW! *AirTEMP* heat analysis tool for the control cabinet

It can be used to determine, quickly and easily, which temperatures and temperature layers can develop in a control cabinet.

NEW! *AirBLOWER*:

The new LÜTZE *AirBlower* for the *AirSTREAM* wiring system balances out the air layers in the control cabinet and achieves optimum heat dissipation.



***AirTEMP* heat analysis for cabinet:**
airtemp.luetze.com



Video: The construction allows a better air flow throughout the *AirSTREAM* system which provides a better temperature inside the cabinet.
<http://bit.ly/Zg8kwu>

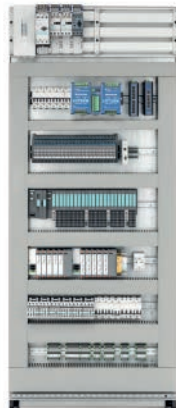
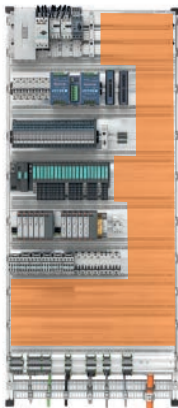
More space in the control cabinet

Simply more space!

You can mount all of your control components efficiently and integrate your wiring easily: no longer any need for cable trunking, no need for individually drilled holes or the chore of lining up the components.

Including reduced cabinet volume through optimised use of space.

AirSTREAM
Space saving



Conventional construction

Replacing the old with the new!

The new LSC **AirSTREAM** is compatible with the old LSC-B, even existing design plans can be used.

Efficient Cabinet Engineering with the **AirSTREAM** Online Configurator - Only 5 Steps to construct your **AirSTREAM** frame...:
<http://bit.ly/1a0zN5L>

SkyBLUE
LITZE



More Space and more flexibility
in cabinet with **AirSTREAM**.
<http://bit.ly/1amJY4A>



NEW!
AirSTREAM Online configurator.
<http://bit.ly/1ogxE3A>

LITZE 
SYSTEMATIC TECHNOLOGY

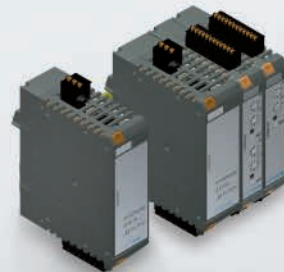
Security in 24 to 48 V

NEW! LOCC-Box-ED

- 2-channel version, width only 8,1mm
- Adjustable current ranges: 1 A - 6 A, in 1 A steps
- Pre-set characteristic via order code
- Status report per channel
- Can be used in DC 12 V and 24 V circuits

NEW! LOCC-Box-VKL

- Distribution terminal, width only 8,1mm
- 4-fold potential expansion
- Easy expansion to include 4 further connection points
- Simple wiring thanks to the use of jumper combs



NEW!!! Modular Industrial Power Supplies

- 30 - 120 W
- Very compact
- Air convection
- Efficiency 94%
- Controllable DC output voltage
- Optional: Sense or Analogue output of the current
- Optional: communication interface



More automation:
Online catalogue - www.luetze.com

LCIS: Universal Interface Technology

New! LCIS

- Compact, only 71 mm in depth
- -40 °C up to +60 °C or more
V0 and NFF I2,F2 for harsh applications
- Universal connectivity technology with push-in or screw terminal
- Highly versatile through universal mounting base and symmetric design



- Reliable signal tracking by push-in connection with freely accessible test opening of 2 mm possible
- UL, CSA and GL
- Full laser labelling
- Numerous labelling options



More automation:
Online catalogue - www.luetze.com

LCOS: Flexible Efficiency with Housings

NEW! Open, modular, universal: LÜTZE LCOS - The Intelligent Electronic Housing

- As a stand-alone solution or as a modular I/O system
- Simplified installation: Jumpers instead of wiring!
- -40 - +85° C
- Universal connection technology
- Up to 42 connection points

- Communication can be established via 12 data contacts
- PE contact for correct protection in any situation
- The four-wire energy bus permits a field-side supply via a 1/2/3-phase system with a nominal current of 16 A per conductor



More automation:
Online catalogue - www.luetze.com

Great performance - 50 years LÜTZE SUPERFLEX®



LÜTZE supplies five high flexing cable models:

- Bus and network cables
- Motor, servo and feedback cables
- Control cables
- Electronic cables
- Actuator-sensor cables



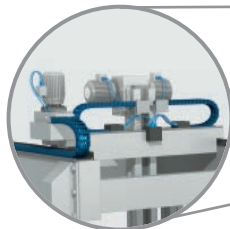
More **cable and accessories:**
Online catalogue - www.luetze.com

LÜTZE 
SYSTEMATIC TECHNOLOGY

Great performance - for your applications

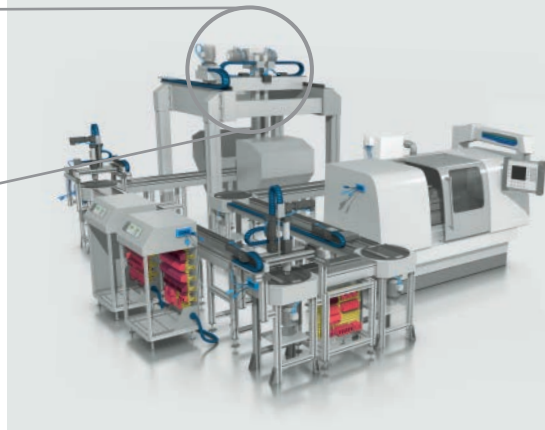


Around 1,500 LÜTZE cables and wires for the European and North American markets are now available in the **ePLAN** Data Portal.



95% of all continuous moving applications can be covered by our cables.

This includes machine tools, handling equipment, system and device construction, transport and conveyor technology, and also robots.



More **cable and accessories:**
Online catalogue - www.luetze.com

Great performance - new Ethernet Cat6A for the C-track



LÜTZE Bus and network cables



Bus cables for wiring all common industrial systems.

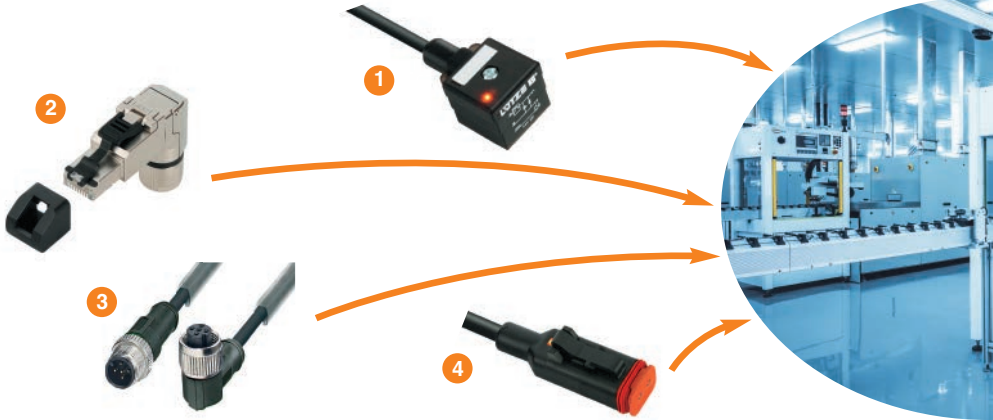


New:
Ethernet for the continuous moving application up to **Cat6A**.



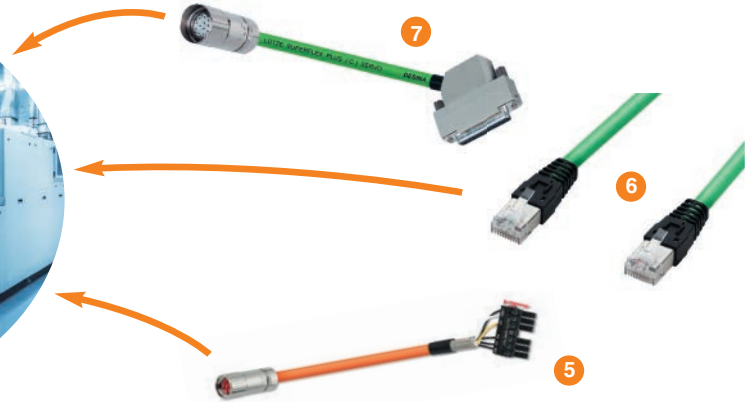
LÜTZE Connectivity Solutions

- 1 Suppressors for valves
- 2 Profinet RJ45 connector
- 3 Actuator Sensor Interface
- 4 Suppressors for valves Deutsch
- 5 Servo Power cable
- 6 Ethernet cable with an RJ45 connector
- 7 Servo Feedback



Competence in Cables - online or printed:
www.luetze.com

Solutions from one source



LÜTZE supplies the 'all-round carefree package' from one source for your systems and machines. Cable assemblies for servo drive systems, suppression technology, connectors and Industrial Ethernet.



File E486936
ZPFW2 / ZPFW8



More **Connectivity solutions:**
Online catalogue - www.luetze.com



Plug & Play in Industrial Ethernet

Save time, money and stress:

For correct transmission an important requirement is the right selection of cables, connection technology and components. Whether it is a standard or special application, a drag chain or torsional movement, LÜTZE supplies the tailor-made solution.



More **Connectivity solutions:**
Online catalogue - www.luetze.com

Assemblies for the one-cable solution



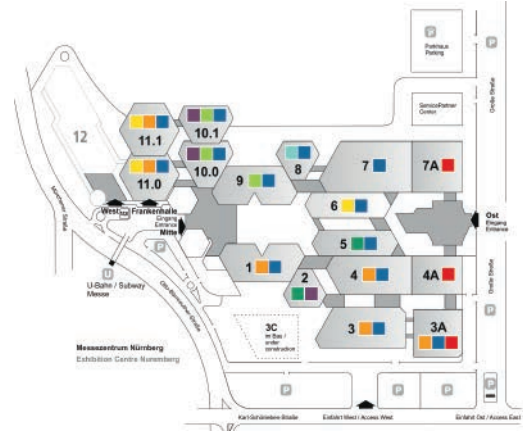
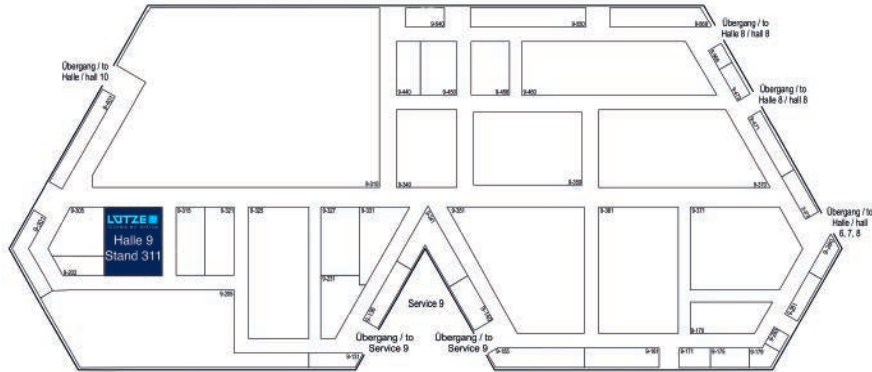
- One cable and one connector
- One order for the cable and plug
- Cable and plug from one source
- Price benefit compared to 'two cable solution'
- 100 % tested unit - pre-assembled - ready for immediate use
- Less assembly effort
- Less space required inside the c-track



More **Connectivity solutions:**
Online catalogue - www.luetze.com

Hall 9 Stand 311

SPS IPC Drives 2017 - Halle 9 / hall 9



My SPS Fair Schedule

**Don't forget to try
Maultaschen at LÜTZE!
(Swabian Ravioli)
We look forward to your visit!**

Hall 9 Stand 311:
Win an **iPad mini** and many more
instant prizes to take home!



Free tickets or an appointment
at the booth for technical advise
at sps@luetze.de

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Hotline Interface Solutions: +49 7151 6053-282

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