

LUTZE LSC Flexible Wiring System



LSC Wiring System - Innovative technology for many industries

The Lutze LSC Wiring System is establishing itself in modern control cabinet construction in many fields.

The LSC system fits into every control cabinet:

- LSC-B, the wiring system for floor standing control cabinets
- LSC-C, the wiring system for compact wall mounted control cabinets

LSC Advantages

Saving Space with LSC

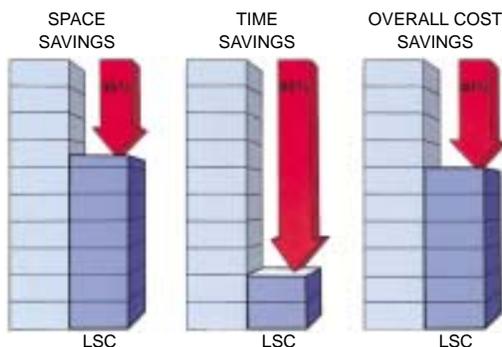
Thanks to the integration of the wire management system into the frame, all trunking has been eliminated. This frees up between 30% and 50% of additional mounting space inside the control enclosure. The size of the enclosure can be reduced, thus realising additional savings or more components can be installed. Either way, you save space and money. The wires are still accessed from the **front** during wiring and servicing.

Time Saving with LSC

Once the frame is assembled you are ready to mount components right away. No drilling and tapping required! The frame is ready to accept components and can be wired just like a back plate inside or outside the enclosure. Thanks to ample space for wire management, precut/pre terminated wires can be used during wiring. This easily cuts wiring time by 60%. The LSC Wiring System offers the fastest way to build a control system. Your time to market is greatly reduced.

Saving money with LSC

The LSC frames can be purchased as complete assemblies thus the procurement process is simplified. In addition, the assembled frame is much less expensive than the sum of the components and labour required to build one control panel. No matter if you build one or more of the same system, the LSC Wiring System provides a more economical way of building control systems, saving overall cost.



Better Heat Dissipation with LSC

Because of the open frame design, air can flow more freely throughout the control system. In many cases, air conditioning units are obsolete, even when the same components are installed in a smaller enclosure.

LSC is easier to Modify

The frame can be modified, even after components are installed and wired. Unlike with a static back plate, rails can be removed and space can be re-allocated. All modifications can be done from the front. The wiring combs hold the wires in place when a component is being replaced. Once you open the wiring channels inside the frame, all the wires are readily accessible and can be pulled for tracing and rewiring.

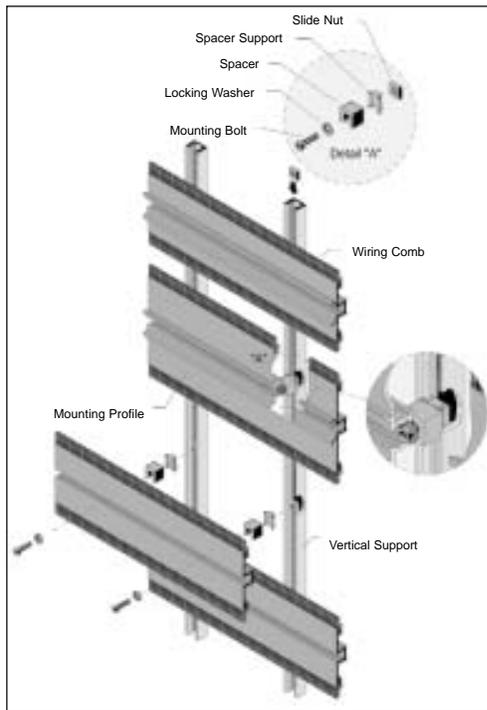
LSC is a proven Solution to EMI Problems

The LSC Wiring System has been tested by an independent organisation to be an excellent source for grounding components. In addition, special rails are available to properly ground incoming and outgoing shielded cables. Lack of proper grounding is the number one source for EMI problems!

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LSC-C The wiring system for compact wall mounted control cabinets

LSC-C COMPONENT OVERVIEW



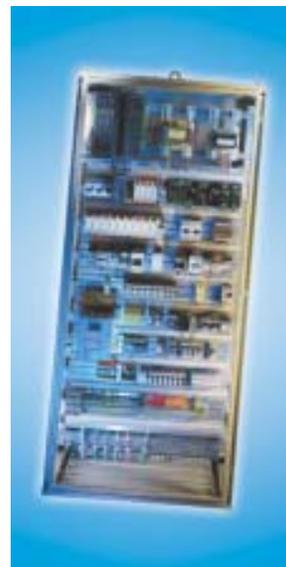
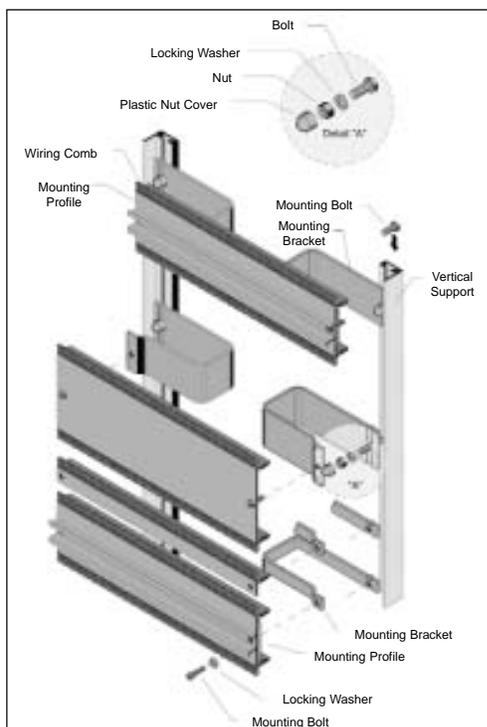
Conventional Back Plate Assembly



The same components mounted using the LSC-C system. (Note the increase in space inside the enclosure)

LSC-B The wiring system for floor standing control cabinets

LSC-B COMPONENT OVERVIEW



Complete control cabinet assembly using the Lutze LSC-B wiring system

See Lutze Catalogue 2: LSC for complete range and specifications.

Either system can be ordered as complete frame assemblies or as individual components for self assembly. Software packages are available to aid the planning process. Please contact our sales office for assistance or a demonstration.