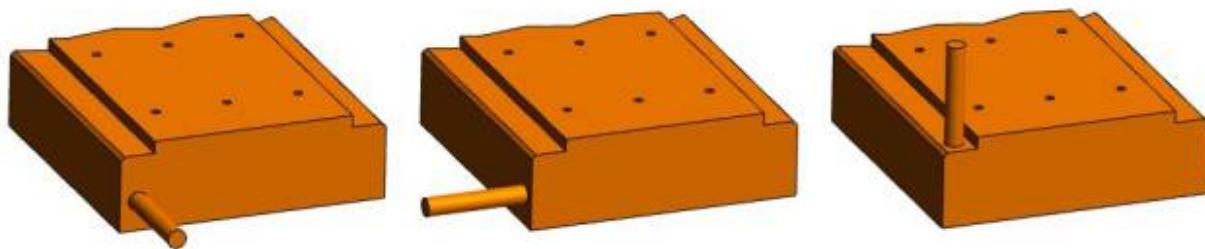


Electrical connection

Cables

The electrical connection of linear motors is performed with using of free cable ends. For specific wiring schematic, please check the relevant documentation or contact the manufacturer.

The cable outlet is configurable. In the standard version, the cable outlet is placed parallel to x-axis, but other variants (y and z-axis) are also possible.



Power connection

L-series motors are normally provided with 1 m flexible shielded power cable without a connector (lead wires). Here is the meaning of the wire colors:



| | | |
|---|------------------|---------------------------------|
| 1 | Motor phase U | (Black, marked as " <u>1</u> ") |
| 2 | Motor phase V | (Black, marked as " <u>2</u> ") |
| 3 | Motor phase W | (Black, marked as " <u>3</u> ") |
| | Protective earth | (Yellow and green) |
| | Thermal switch | (Brown) |
| | Thermal switch | (White) |

Please contact us to have the corresponding cable diameter in respect to the motor and winding code.

Power cable with connector

By request, L-series motors can be provided with 1 m flexible shielded power cable and a male

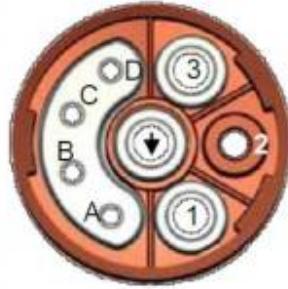
Intercontec Speedtec series connector.

Lxxx-1215/2415/3615:



Male connector

| Pin | Function |
|-----|------------|
| 1 | U |
| 2 | V |
| 3 | W |
| ↓ | PE |
| A | Th. Switch |
| B | - |
| C | - |
| D | Th. Switch |

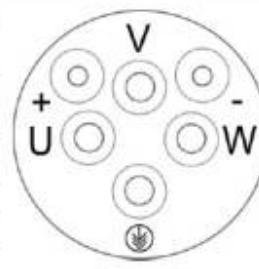


Lxxx-4815/6015:



Male connector

| Pin | Function |
|-----|------------|
| U | U |
| V | V |
| W | W |
| + | Th. switch |
| - | Th. switch |
| ↓ | PE |



How to assembly the power or signal connectors

Please refer to the assembly instruction here:

https://www.nilab.at/dokuwiki/doku.php?id=ironcore_motors:montageanleitungen_gesamtkatalog.pdf

From:

<https://www.nilab.at/dokuwiki/> - **NiLAB GmbH**
Knowledgebase



Permanent link:

https://www.nilab.at/dokuwiki/doku.php?id=ironcore_motors:connection_system

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