

System cables for L-force motors



Getting connected quickly and securely



No matter whether plug or screw connectors are used, preassembled system cables make it easier to connect motors to an inverter.

Highlights

- ▶ High-quality shielded system cables ensure EMC-safe wiring, as well as a high degree of availability and functional reliability
- ▶ Customised arrangements possible thanks to freely configurable cable types, connection types and lengths
- ▶ Uniform end-to-end system from controller to motor

Lenze offers an extensive selection of system cables for

- ▶ Motor power supply, including optional brakes and blowers
- ▶ Connection of the various encoder systems
- ▶ Digital frequency cable for connection between inverters

Cable configuration

All system cables that lead to the motor, whether fixed (permanently installed) or trailing cables, can be combined in any configuration. The following arrangements are therefore possible:

- ▶ Motor – connecting cable – controller
- ▶ Motor – extension cable – connecting cable – controller

Cable designs and combination options

- ▶ **Cable laying system**
 - Fixed (permanent) installation
 - Use as a trailing cable
- ▶ **Use as**
 - Connecting cable (A)
 - Extension cable (V)
 - Cable without connector (Y)
- ▶ **Cable ends**
 - Screw connector
 - SpeedTec connector
 - Sub-D connector
 - No connector

The right system cable is therefore available for every application.

Preferred types | Available off-the-shelf

Preassembled lengths

The following preferred types in the commonly used lengths of 2.5 m, 5 m, 10 m and 15 m are supplied directly from stock. These preferred types are for fixed (permanent) installation and are prepared with screw connectors on the motor side suiting all L-force motors up to 7 kW with small power connection plugs and corresponding L-force drives. The encoder cables are suitable for connecting incremental encoders and SinCos absolute value encoders with Hiperface interface.

Further system cables, which can be configured to meet custom requirements, are of course also available.

The table below lists the order designations, which are made up of the product key of the system cables. An explanation of the product key system can be found in the "L-force Servo motors" catalogue.

	2.5 m	5.0 m	10.0 m	15.0 m
1.0 mm ² motor cable	EYP0003A0025M01A00	EYP0003A0050M01A00	EYP0003A0100M01A00	EYP0003A0150M01A00
1.5 mm ² motor cable	EYP0004A0025M01A00	EYP0004A0050M01A00	EYP0004A0100M01A00	EYP0004A0150M01A00
2.5 mm ² motor cable	EYP0005A0025M01A00	EYP0005A0050M01A00	EYP0005A0100M01A00	EYP0005A0150M01A00
Blower cable	EYL0001A0025L02A00	EYL0001A0050L02A00	EYL0001A0100L02A00	EYL0001A0150L02A00
Resolver cable	EYF0017A0025F01S02	EYF0017A0050F01S02	EYF0017A0100F01S02	EYF0017A0150F01S02
Encoder cable	EYF0018A0025F02S03	EYF0018A0050F02S03	EYF0018A0100F02S03	EYF0018A0150F02S03

Digital frequency cables for L-force inverters are available off-the-shelf in the following lengths:

	0.5 m	1.2 m	2.5 m
Master frequency cable	EYD0017A0005W03S02	EYD0017A0012W03S02	EYD0017A0025W03S02



You can find further information, including selection tables, in the download area at www.Lenze.com:
Technical documentation/Library/X1_Accessories/X15_External_accessories/X153_System_cables



However, you are of course also welcome to configure and order system cables directly using our electronic catalogue.