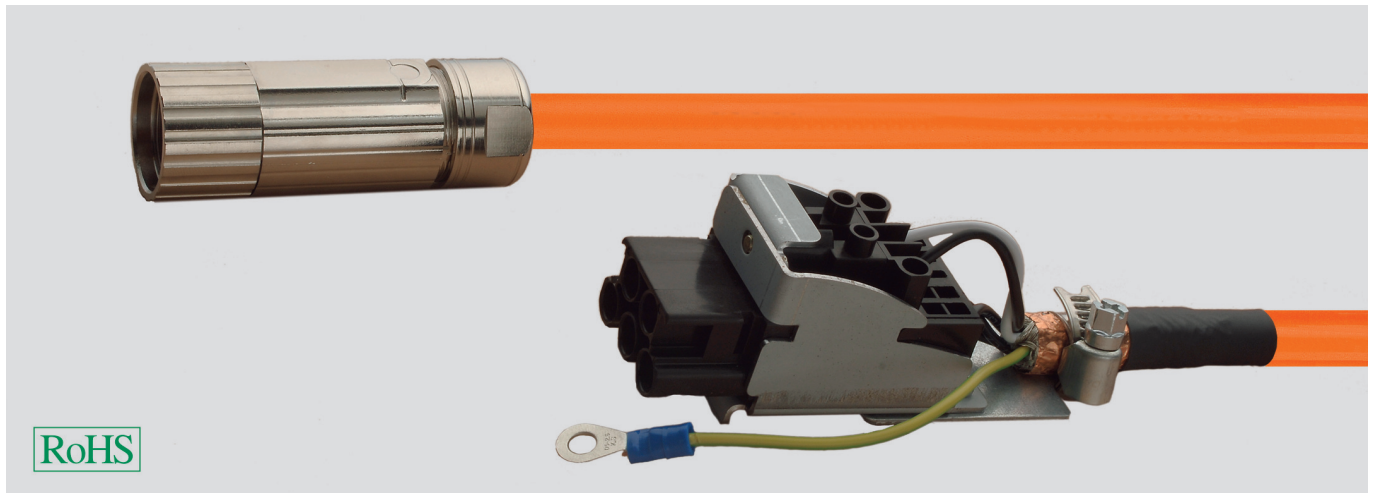


Pre-assembled servo motor cables

for fixed laying

Base line for use on SIEMENS drive systems (Drive Cliq*)



RoHS

Technical data

- **Temperature range**
flexing 0°C to +60°C
fixed installation -20°C to +80°C
- **Minimum bending radius**
flexing 20x cable Ø
fixed installation 5x cable Ø
- **Max. acceleration**
2 m/s²
- **Bending cycles**
100,000 for ≥ 20x cable Ø
- **Nominal voltage VDE**
(power) U₀/U 0,6/1 kV
(signal) 24 V
- **Nominal voltage UL/CSA**
(power + signal) 1000 V
- **Test voltage**
power cores 4 kV
signal cores 1 kV
- **Insulation resistance** ≥ 20 MOhm x km

Approbations

DESINA® (ISO 23570)
VDE
UL/CSA

Cable structure

Power supply cores

- Bare copper, acc. to IEC 60228 cl.6
- PVC core insulation
- Core identification U/L1/C/L+
V/L2
W/L3/D/L-
- GN-YE conductor

Signal cores

- Copper conductors, bare
- TPE-E core insulation
- Core identification black, white
- Cores twisted in pairs
- Shield tin-plated copper braiding
- Complete shield of tin-plated copper braiding, coverage approx. 80%
- PVC outer sheath
- Sheath colour orange (RAL 2003)

Application

This high quality pre-assembled motor connection cable is specially manufactured for applications with static installation. The special PVC outer sheath allows use in many industrial environments of general machine and plant construction.

Characteristic

Economical alternatives to the cable carrier compatible cable types which otherwise meet all requirements of the servo drive manufacturers. These pre-assembled cables can be produced in any lengths and also with customer-specific modifications.

Note

Please observe the drive or controller manufacturer's information about maximum permitted cable length. The prefabricated cables listed here are not original parts, but accessories manufactured by the company HELUKABEL® GmbH. The data, standards and approvals relate solely to the bulk goods used.
* Drive Cliq is registered trademark from Siemens AG.

Manufacturer Designation	Helukabel Designation	Helukabel Part no.
6FX5002-5CS01	5CS01 DESINA PVC	660855
6FX5002-5CS11	5CS11 DESINA PVC	660856
6FX5002-5CS21	5CS21 DESINA PVC	660857
6FX5002-5CS31	5CS31 DESINA PVC	660858
6FX5002-5CS41	5CS41 DESINA PVC	660859
6FX5002-5CS51	5CS51 DESINA PVC	660860
6FX5002-5CS61	5CS61 DESINA PVC	660861
6FX5002-5CS13	5CS13 DESINA PVC	660862

Manufacturer Designation	Helukabel Designation	Helukabel Part no.
6FX5002-5DS01	5DS01 DESINA PVC	660863
6FX5002-5DS11	5DS11 DESINA PVC	660864
6FX5002-5DS21	5DS21 DESINA PVC	660865
6FX5002-5DS31	5DS31 DESINA PVC	660866
6FX5002-5DS41	5DS41 DESINA PVC	660867
6FX5002-5DS51	5DS51 DESINA PVC	660868
6FX5002-5DS61	5DS61 DESINA PVC	660869
6FX5002-5DS13	5DS13 DESINA PVC	660870

Dimensions and specifications may be changed without prior notice.

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