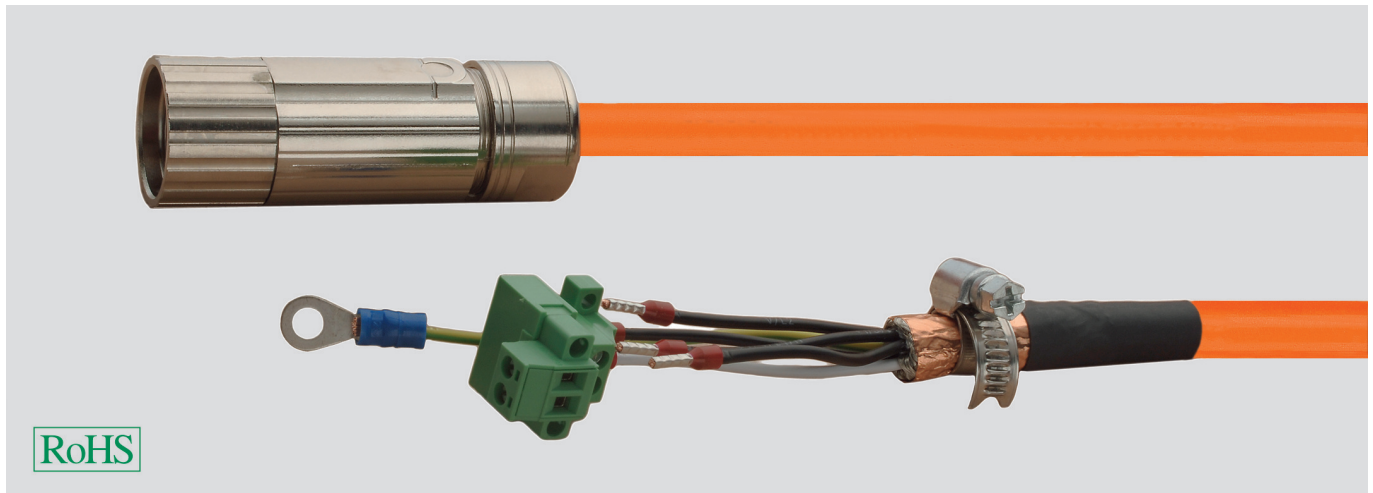


Pre-assembled servo motor cables

for mobile use

Base line for use on SIEMENS drive systems



RoHS

Technical data

- **Temperature range**
flexing -20°C to +60°C
fixed installation -50°C to +80°C
- **Minimum bending radius**
flexing 10x cable Ø
fixed installation 7x cable Ø
- **Max. acceleration**
5 m/s²
- **Bending cycles**
10 million for ≥ 12x cable Ø
- **Operating voltage**
VDE U₀/U 600/1000 V
UL 1000 V
- **Test voltage**
power cores 4 kV
control cores 2 kV
- **Insulation resistance** ≥ 500 MOhm x km

Approbations

DESINA® (ISO 23570)
VDE
UL/CSA

Cable structure

Power supply cores

- Bare copper, extra fine wire conductor acc. to DIN VDE 0295 cl.6
- high quality PP core insulation
- Core identification U/L1/C/L+ V/L2 W/L3/D/L-
- GN-YE conductor

Signal cores

- Copper conductors, bare
- High quality PP core insulation
- Core identification black white
- Cores twisted in pairs
- Shielding screened with tin-plated copper wires
- Complete shield of tin-plated copper braiding, coverage approx. 80%
- PUR outer sheath
- Sheath colour orange (RAL 2003)

Application

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

Characteristic

These pre-assembled cables can be produced in any lengths and also with customer-specific modifications.

Note

Please observe the installation instructions for laying cables in cable carriers and 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.

Manufacturer Designation	Helukabel Designation	Helukabel Part no.
6FX8002-5CA01	5CA01 DESINA PUR	660053
6FX8002-5CA11	5CA11 DESINA PUR	660056
6FX8002-5CA21	5CA21 DESINA PUR	660059
6FX8002-5CA31	5CA31 DESINA PUR	660063
6FX8002-5CA41	5CA41 DESINA PUR	660066
6FX8002-5CA51	5CA51 DESINA PUR	660067
6FX8002-5CA61	5CA61 DESINA PUR	660068
6FX8002-5CA13	5CA13 DESINA PUR	660058
6FX8002-5CA23	5CA23 DESINA PUR	660061
6FX8002-5DA01	5DA01 DESINA PUR	660070
6FX8002-5DA11	5DA11 DESINA PUR	660073

Manufacturer Designation	Helukabel Designation	Helukabel Part no.
6FX8002-5DA21	5DA21 DESINA PUR	660076
6FX8002-5DA31	5DA31 DESINA PUR	660080
6FX8002-5DA41	5DA41 DESINA PUR	660084
6FX8002-5DA51	5DA51 DESINA PUR	660088
6FX8002-5DA61	5DA61 DESINA PUR	660089
6FX8002-5DA13	5DA13 DESINA PUR	89800
6FX8002-5DA23	5DA23 DESINA PUR	89802
6FX8002-5DA33	5DA33 DESINA PUR	660082
6FX8002-5DA43	5DA43 DESINA PUR	660085
6FX8002-5DA53	5DA53 DESINA PUR	660668

Dimensions and specifications may be changed without prior notice.