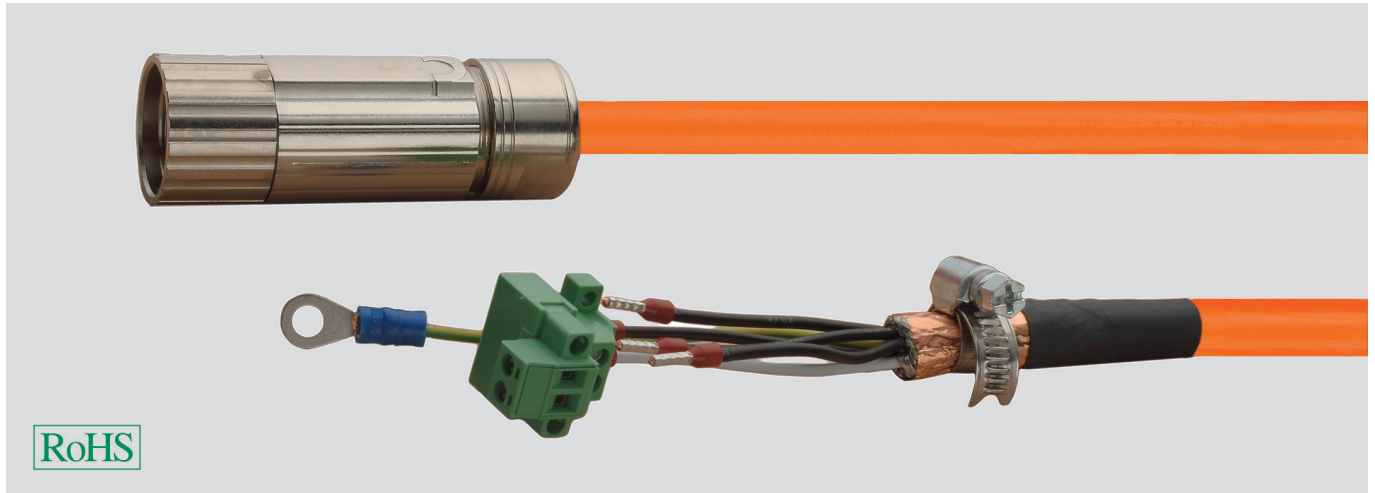


Pre-assembled servo motor cables

for fixed laying

Base line for use on SIEMENS drive systems



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 (UL/CSA)**
(power + signal) 1000 V
- **Nominal voltage (VDE)**
(power) U₀/U 0,6/1 kV
(signal) 24 V
- **Test voltage**
power cores 4 kV
signal cores 2 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.

Manufacturer Designation	Helukabel Designation	Helukabel Part no.
6FX5002-5CA01	5CA01 DESINA PVC	660224
6FX5002-5CA11	5CA11 DESINA PVC	660227
6FX5002-5CA21	5CA21 DESINA PVC	660230
6FX5002-5CA31	5CA31 DESINA PVC	660234
6FX5002-5CA41	5CA41 DESINA PVC	660237
6FX5002-5CA51	5CA51 DESINA PVC	660238
6FX5002-5CA61	5CA61 DESINA PVC	660239
6FX5002-5CA13	5CA13 DESINA PVC	660229
6FX5002-5CA23	5CA23 DESINA PVC	660232
6FX5002-5DA01	5DA01 DESINA PVC	660241
6FX5002-5DA11	5DA11 DESINA PVC	660244

Manufacturer Designation	Helukabel Designation	Helukabel Part no.
6FX5002-5DA21	5DA21 DESINA PVC	660247
6FX5002-5DA31	5DA31 DESINA PVC	660250
6FX5002-5DA41	5DA41 DESINA PVC	660254
6FX5002-5DA51	5DA51 DESINA PVC	660257
6FX5002-5DA61	5DA61 DESINA PVC	660259
6FX5002-5DA13	5DA13 DESINA PVC	660666
6FX5002-5DA23	5DA23 DESINA PVC	660249
6FX5002-5DA33	5DA33 DESINA PVC	660252
6FX5002-5DA43	5DA43 DESINA PVC	660255
6FX5002-5DA53	5DA53 DESINA PVC	660667

Dimensions and specifications may be changed without prior notice.