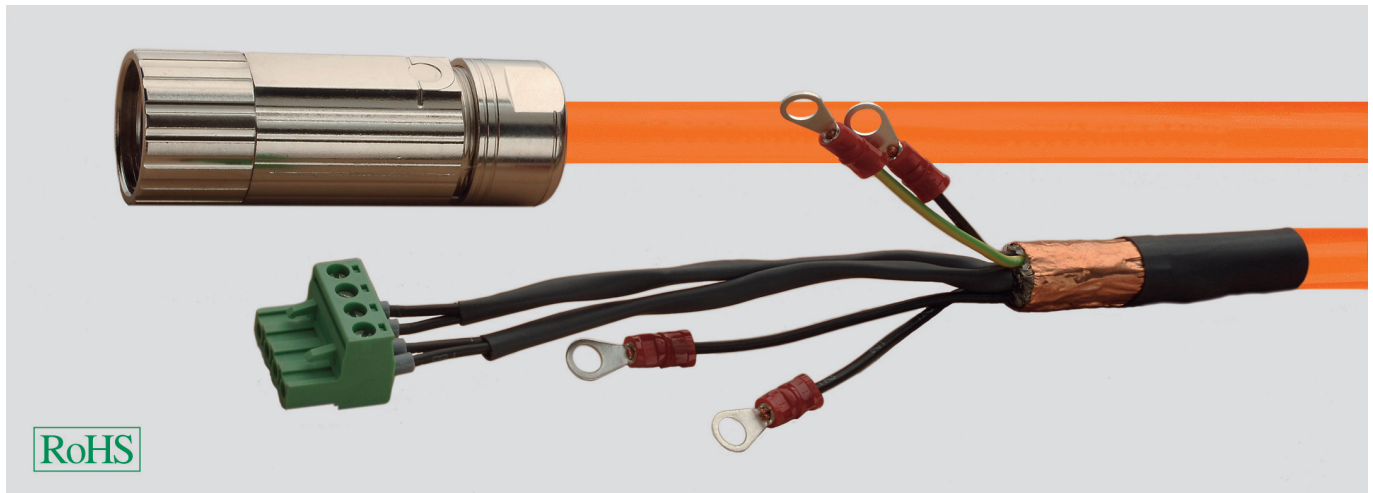


Pre-assembled servo motor cables

for mobile use (PVC)

Base line for use on REXROTH drive systems



RoHS

Technical data

- **Temperature range**
flexing -30°C to +80°C
fixed installation -50°C to +90°C
- **Minimum bending radius**
flexing 10x cable Ø
fixed installation 7x cable Ø
- **Max. acceleration**
4 m/s²
- **Bending cycles**
5 million for ≥ 10x cable Ø
- **Nominal voltage**
UL/CSA 1000 V
- **Test voltage**
power cores 4 kV
signal cores 2 kV
- **Insulation resistance** ≥ 20 MOhm x km

Approbations

DESINA® (ISO 23570)
UL/CSA

Cable structure

Power supply cores

- Bare copper, extra fine wire conductor acc. to DIN VDE 0295 cl.6
- PETP core insulation
- Core identification 1, 2, 3
- GN-YE conductor

Signal cores

- Bare copper, extra fine wire conductor acc. to DIN VDE 0295 cl.6
- Core insulation PETP
- Core identification
Pair 1: 5. 6
Pair 2: 7. 8
- Cores twisted in pairs
- Shielding aluminium/polyester foil
Drain wire
tin-plated copper braiding
- Complete shield of tin-plated copper braiding, coverage approx. 85 %
- PVC outer sheath
- Sheath colour orange (RAL 2003)

Application

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

Characteristic

Particularly suitable for use with small bending radii and high acceleration. 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.

| Helukabel Designation | Helukabel Part no. |
|-----------------------|--------------------|
| motor cable 4009 PVC | 660680 |
| motor cable 4017 PVC | 660681 |
| motor cable 4039 PVC | 660682 |
| motor cable 4060 PVC | 660683 |
| motor cable 4055 PVC | 660684 |

| Helukabel Designation | Helukabel Part no. |
|-----------------------|--------------------|
| motor cable 4020 PVC | 660685 |
| motor cable 4018 PVC | 660686 |
| motor cable 4016 PVC | 660687 |
| motor cable 4119 PVC | 660688 |

Dimensions and specifications may be changed without prior notice.