

Pre-assembled feedback cables

for mobile use (PUR)

Base line for use on REXROTH drive systems



Technical data

- **Temperature range**
flexing 0°C to +60°C
fixed installation -40°C to +60°C
- **Minimum bending radius**
flexing 10x cable Ø
fixed installation 8x cable Ø
- **Max. acceleration**
5 m/s²
- **Bending cycles**
10 million for ≥ 12x cable Ø
- **Operating voltage**
VDE 300 V AC
UL/CSA 30 V
- **Test voltage** 1000 V (0,14 mm² 0,5 kV)
- **Insulation resistance** ≥ 100 MOhm x km

Approbations

UL/CSA

Cable structure

- Copper conductors
- high quality PP core insulation / polyolefin core insulation
- Complete shield of tin-plated copper braiding, coverage approx. 80%
- PUR outer sheath
- Sheath colour orange
(for (2x0,5+4x2x0,25) green also possible)

Structure/colour code

- **(2x0,5+4x2x0,25)**
WH, BN, BN+GN, RD+BK, BU+VT, GY+PK
- **(2x1,0+4x2x0,25)**
WH, BN, BN+GN, RD+BK, BU+VT, GY+PK
- **(4x2x0,14+4x1,0+(4x0,14))**
GY+PK, YE+VT, GN+BN, RD+BK, BU, WH/GN, BN/GN, WH, GN/BK, BU/BK, YE/BK, RD/BK

Application

This high quality pre-assembled feedback 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

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.

Manufacturer Designation	Helukabel Designation	Helukabel Part no.
IKS4374	feedback cables 4374 PUR	660260
IKS4042	feedback cables 4042 PUR	660757
IKS4375	feedback cables 4375 PUR	660263
IKS4040	feedback cables 4040 PUR	660758
IKS4041	feedback cables 4041 PUR	660759
IKS4020	feedback cables 4020 PUR	660266
IKS4043	feedback cables 4043 PUR	660760
IKS4103	feedback cables 4103 PUR	660272

Manufacturer Designation	Helukabel Designation	Helukabel Part no.
IKS0205	feedback cables 0205 PUR	660275
IKS0204	feedback cables 0204 PUR	660276
IKS0206	feedback cables 0206 PUR	660277
IKS4142	feedback cables 4142 PUR	660283
IKS4038	feedback cables 4038 PUR	660761
IKS4001	feedback cables 4001 PUR	660313
IKS4019	feedback cables 4019 PUR	660314
RKG4200	feedback cables 4200 PUR	660628

Dimensions and specifications may be changed without prior notice.