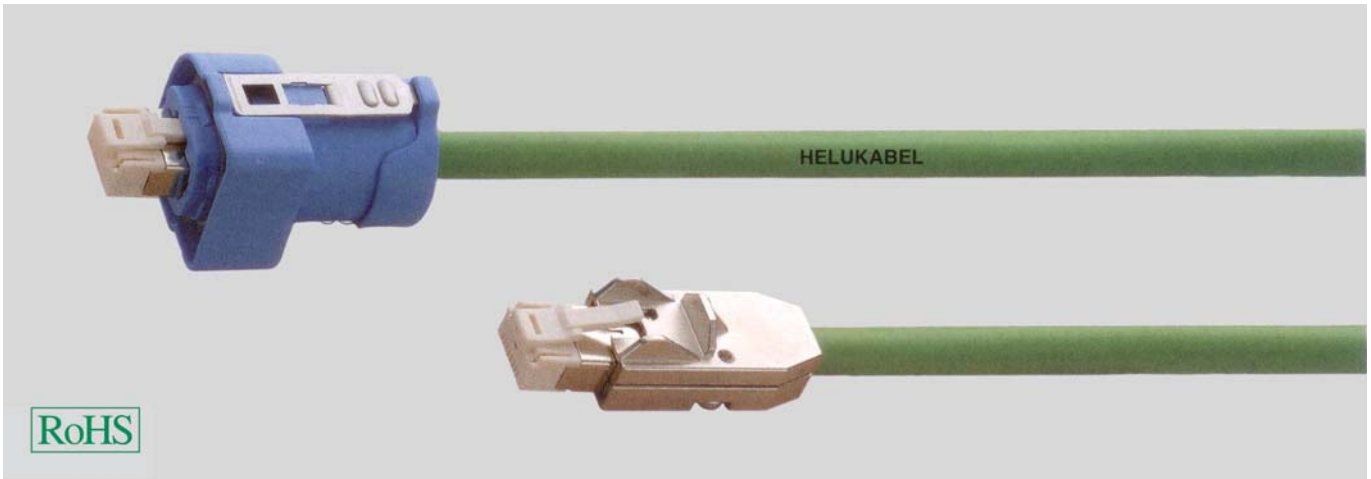


Pre-assembled Feedback cable



for mobile use

Base line use on SEIMENS drive systems (Drive Cliq)



Technical data

- **Temperature range**
moving -20°C to $+60^{\circ}\text{C}$
not moving -20°C to $+80^{\circ}\text{C}$
- **Bending radius**
moving $15 \times$ cables diameter \varnothing
not moving $5 \times$ cable diameter \varnothing
- **Max. acceleration**
 5 m/s^2
- **Bending cycles**
2 million for $15 \times$ cable diameter \varnothing
- **Operating voltage** 30 V
- **Test voltage** 500 V / 50Hz / 1min
- **Insulation resistance** 11 GOhm \times km
- **Conductor resistance**
Core AWG26 135 ohms/km
Core AWG22 62 ohms/km
- **Characteristic impedance** 0.15mm² pairs
from 1 MHz to 100 MHz 100+/-150hm
- **Operating capacitance** 0.15mm² pairs
from 800 Hz rated 50 nF/km

Approbations

UL/CSA

Cable structure

- 0.15mm² Barecopper conductor, 19 strands
- 0.38mm² Tin-plated copper conductor, 19 strands
- Polyolefin core insulation
- **Complete shield** aluminium foil coated with plastic, braiding made of tin-plated copper wires
- **Coverage** approx. 85%
- PUR outer sheath
- **Sheath colour**, green

Structure / colour code

- $(2 \times 0.38\text{mm}^2 + 2 \times (2 \times 0.15\text{mm}^2))$
colour code
Pair 0.38mm² : red + black
Pair 1 0.15mm² : green + yellow
Pair 2 0.15mm² : pink + blue

Application

This high quality pre-assembled sensor connection cable is specially manufactured in for application with mobile use. The special PUR outer jacket allow use in many industrial environments of general machine and plant construction.

Characteristic

These pre-assembled cables can be produced in many lengths and also with customer-specific modification

Note

Please observe the installation instructions for laying cables in cable carriers on Page 34 and the drive or controller manufacturer's information about maximum permitted cable length.

Manufacturer Designation	Helukabel Designation	Helukabel Part no.
6FX8002 - 2DC00	2DC00 DESINA PUR	660890
6FX8002 - 2DC10	2DC10 DESINA PUR	660891

Manufacturer Designation	Helukabel Designation	Helukabel Part no.
6FX8002 - 2DC20	2DC20 DESINA PUR	660892

a. r. = on request

Dimensions and specifications may be changed without prior notice.

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.