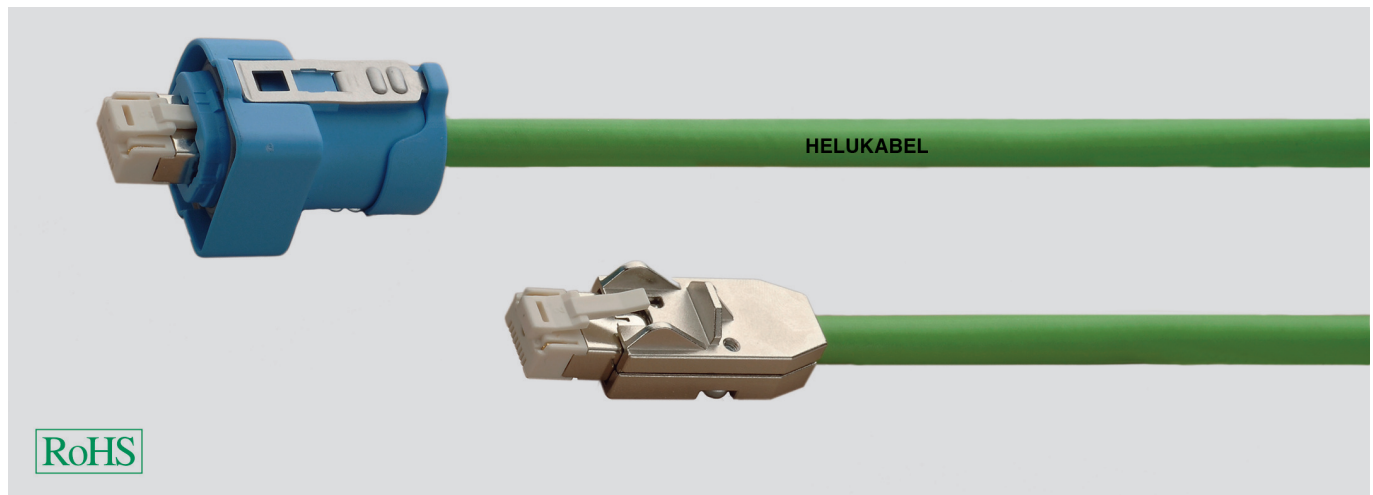


Pre-assembled feedback cables

for mobile use

Base line for use on SIEMENS drive systems (Drive Cliq*)



Technical data

- **Temperature range**
flexing -20°C to +60°C
fixed installation -20°C to +80°C
- **Minimum bending radius**
flexing 15x cable Ø
fixed installation 5x cable Ø
- **Max. acceleration**
5 m/s²
- **Bending cycles**
2 million for ≥ 15x cable Ø
- **max. operating voltage** 30 V
- **Test voltage** 500 V / 50 Hz / 1 min
- **Insulation resistance** ≥ 1 GOhm x km
- **Conductor resistance**
Core AWG26 ≤ 135 ohms/km
Core AWG22 ≤ 62 ohms/km
- **Characteristic impedance 0,15 mm² pairs**
from 1 MHz to 100 MHz 100+/-15 Ohm
- **Operating capacitance 0,15 mm² pairs**
for 800 Hz rated 50 nF/km

Approbations

UL/CSA

Cable structure

- 0,15 mm² Bare copper conductor, 19 strands
 - 0,38 mm² Tin-plated copper conductor, 19 strands
 - Polyolefin core insulation
 - Complete shield aluminium foil coated with plastic, braiding of tin-plated copper wires, coverage approx. 85%
 - PUR outer sheath
 - Sheath colour green
- Structure/colour code**
- **(2x0,38mm²)+2x(2x0,15mm²)**
Colour code
Pair 0,38 mm²: RD+BK
Pair 1 0,15 mm²: YE+GN
Pair 2 0,15 mm²: PK+BU

Connector data

RJ45 connector CAT5
Material: nickel-plated PBT/brass
Contacts 30u" Au/Ni
Rated voltage: 50 V DC / 35 V AC
Operating temperature: -20°C to + 120°C
Mating cycles: 1000
Cover
zinc die-cast
zinc die-cast / PBT blue
PBT blue
PBT black

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

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.
* Drive Cliq is registered trademark from Siemens AG.

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

Dimensions and specifications may be changed without prior notice.

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