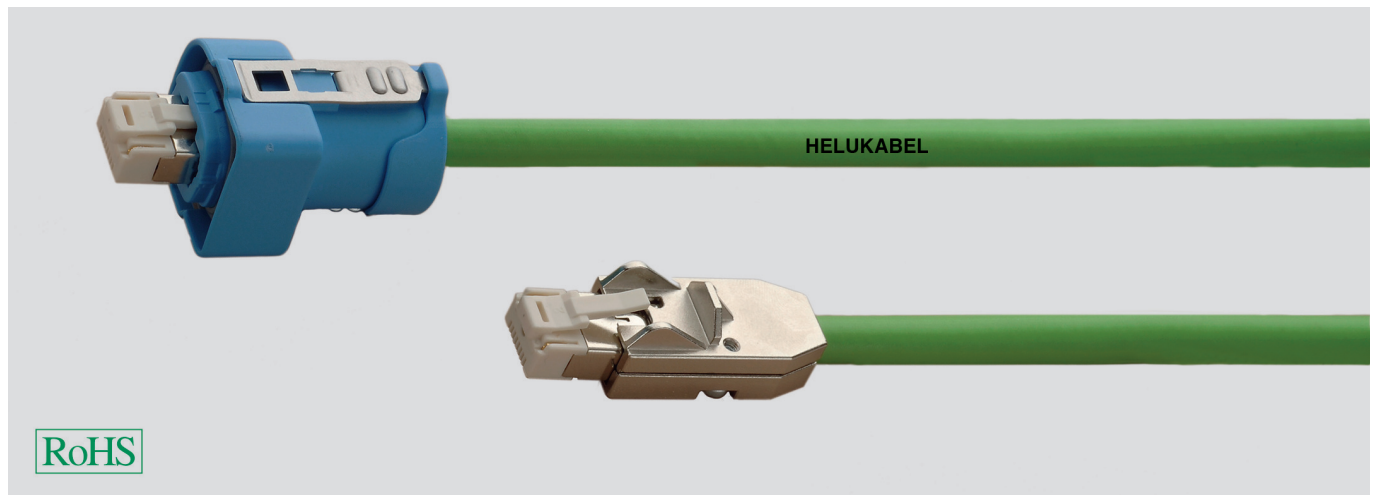


Pre-assembled feedback cables

for fixed laying

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 10x cable Ø
fixed installation 5x cable Ø
- **Max. acceleration**
2 m/s²
- **Bending cycles**
100.000 for ≥ 10x cable Ø
- **max. operating voltage** 30 V AC (UL)
- **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 AWG26 pairs**
from 1 MHz to 100 MHz 100+/-15 Ohm
- **Operating capacitance AWG26 pairs**
for 800 Hz rated 50 nF/km

Approbations

UL/CSA

Cable structure

- Bare copper conductor, 7 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

• (2xAWG22+2x2xAWG26)

Colour code
Pair AWG22: RD+BK
Pair 1 AWG26: YW+GN
Pair 2 AWG26: 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 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.
* Drive Cliq is registered trademark from Siemens AG.

Manufacturer Designation	Helukabel Designation	Helukabel Part no.
6FX5002-2DC00	2DC00 DESINA PUR	660887
6FX5002-2DC10	2DC10 DESINA PUR	660888

Manufacturer Designation	Helukabel Designation	Helukabel Part no.
6FX5002-2DC20	2DC20 DESINA PUR	660889

Dimensions and specifications may be changed without prior notice.

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