

Pre-assembled feedback cable



for mobile use

Base line use on SEIMENS drive systems



Technical data

- **Temperature range**
moving -20°C to $+60^{\circ}\text{C}$
not moving -50°C to $+80^{\circ}\text{C}$
- **Bending radius**
moving $11 \times$ cables diameter \varnothing
not moving $7 \times$ cable diameter \varnothing
- **Max. acceleration**
 5 m/s^2
- **Bending cycles**
10 million for $12 \times$ cable diameter \varnothing
- **Operating voltage** 30 V
- **Test voltage** 500 V
- **Insulation resistance** $10 \text{ MOhm} \times \text{km}$

Approbations

Desina® (ISO 23570)
UL/CSA

Cable structure

power supply cores

- Tinned copper conductors
- high quality PP core insulation
- **Complete shield** tin-plated copper braiding
- **Coverage** approx. 80%
- PUR outer sheath
- **Sheath colour**, orange

Structure / colour code

- $(2 \times 2 \times 0.18)$ bl, bn, rd, or
- $(4 \times 2 \times 0.18)$ bl+bn, rd+or, ye+gn, bu+vio
- $(8 \times 2 \times 0.18)$ bl+bn, rd+or, ye+gn, bu+vio, gy+wh, wh/bl+wh/bn, wh/rd+wh/or, wh/ye+wh/gy
- (12×0.22) bl, bn, rd, or, ye, gn, bu, vio, gy, wh, wh/bl, wh/bn
- $(4 \times 2 \times 0.34 + 4 \times 0.5)$ rd+or, ye+gn, bu+vio, bl+bn, wh/rd, wh/ye, wh/bu, wh/bl
- $(3 \times (2 \times 0.14) + 2 \times (0.5))$ rd+or, ye+gn, bl+bn, bl, rd
- $(3 \times (2 \times 0.14) + 2 \times 0.5 + 4 \times 0.14)$ rd+or, ye+gn, bl+bn, bn/rd, bn/bu, gy, bu, wh/ye, wh/bl
- $(3 \times (2 \times 0.14) + 2 \times 0.5 + 4 \times 0.14 + 4 \times 0.22)$ rd+or, ye+gn, bl+bn, bn/rd, bn/bu, gy, bu, wh/ye, wh/bl, bn/ye, bn/gy/gn/bl, gn/rd

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.	Manufacturer Designation	Helukabel Designation	Helukabel Part no.
6FX8002 - 2AD00	2AD00 DESINA PUR	660014	6FX8002 - 2CC11	2CC11 DESINA PUR	660032
6FX8002 - 2AH00	2AH00 DESINA PUR	87328	6FX8002 - 2CD01	2CD01 DESINA PUR	660033
6FX8002 - 2CA11	2CA11 DESINA PUR	660018	6FX8002 - 2CF02	2CF02 DESINA PUR	87293
6FX8002 - 2CA15	2CA15 DESINA PUR	660019	6FX8002 - 2CG00	2CG00 DESINA PUR	660034
6FX8002 - 2CA31	2CA31 DESINA PUR	660021	6FX8002 - 2CH00	2CH00 DESINA PUR	660035
6FX8002 - 2CA51	2CA51 DESINA PUR	660023	6FX8002 - 2EQ10	2EQ10 DESINA PUR	660038
6FX8002 - 2CA61	2CA61 DESINA PUR	660024	6FX8002 - 2CA21	2CA21 DESINA PUR	660020
6FX8002 - 2CA72	2CA72 DESINA PUR	660676	6FX8002 - 2CE02	2CE02 DESINA PUR	660677
6FX8002 - 2CB31	2CB31 DESINA PUR	650122	6FX8002 - 2CM00	2CM00 DESINA PUR	660678
6FX8002 - 2CB51	2CB51 DESINA PUR	660031	6FX8002 - 2CE07	2CE07 DESINA PUR	660679

c. 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.