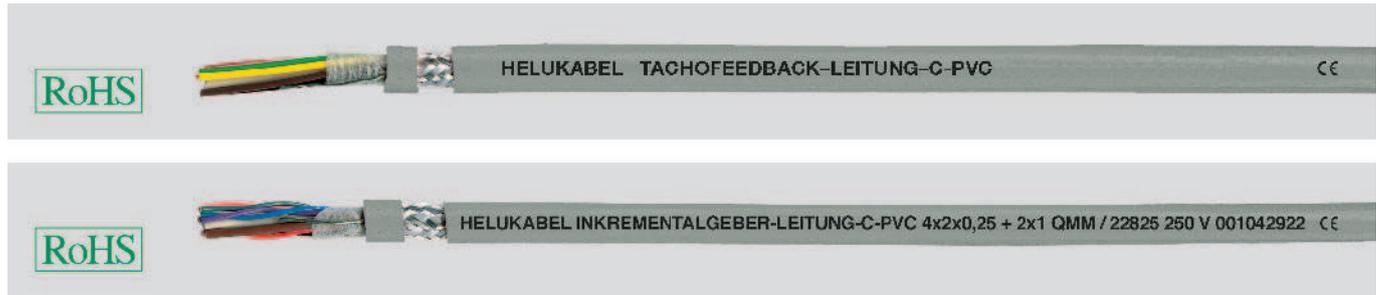


Tachofeedback-Cable-C-PVC, Incremental feedback-cable-C-PVC EMC-preferred type



Technical data

- Special core and sheath compound from PVC
- **Temperature range**
flexing -5°C to +70°C
fixed installation -30°C to +80°C
- **Nominal voltage**
Tachofeedback-cable-C-PVC
450 V
Incr. feedback-cable-C-PVC
250 V
- **Test voltage**
core/core 2000 V
core/screen 1000 V
- **Breakdown voltage**
min. 4000 V
- **Insulation resistance**
min. 20 MΩm x km
- **Minimum bending radius**
10x cable Ø
- **Radiation resistance**
up to 80x10⁶ cJ/kg (up to 80 Mrad)
- **Coupling resistance**
max. 250 Ωm/km

Cable construction

- Bare copper, fine wire conductor to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and/or IEC 60228 cl. 5
- Special PVC core insulation
- **Colour code**
Tachofeedback-cable:
blue, white, red, pink, green, yellow, brown, black, grey
Incremental feedback-cable:
brown, black/red, green/light-brown, white, pink/grey, violet/blue
- Single cores or pairs stranded in layer with optimal lay-length pairs part no. 22825)
- Core wrapping with film
- Drain wire
- Tinned copper braided screening, coverage approx. 85%
- Special PVC outer sheath
- Colour grey (RAL 7001)

Properties

- Extensively oil resistant, for Chemical Resistance see Techn. Information table
- PVC self-extinguishing and flame resistant to VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (equivalent to DIN VDE 0472 part 804 test type B)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Application

Both cables fulfil differing tasks for the control of servo-motors.

The tachofeedback-cable or response cable serves the regulation of the motor speed and measurement of the actual values.

The incremental feedback-cable or position response cable transfers the control signals for positioning and engineering characteristics and is used as the flexible connecting cable for tachometer, brakes, pulse transmitter in system and mechanical engineering, in dry, damp and wet environments.

EMC = Electromagnetic compatibility

To optimise the EMC features we recommend a large round contact of the copper braiding on both ends.

CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

Tachofeedback-Cable

Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
22824	(9 x 0,5)	8,8	81,0	150,0	20

Incremental feedback-cable

Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
22825	(4 x 2 x 0,25 + 2 x 1,0)	8,8	66,0	110,0	24

Dimensions and specifications may be changed without prior notice.