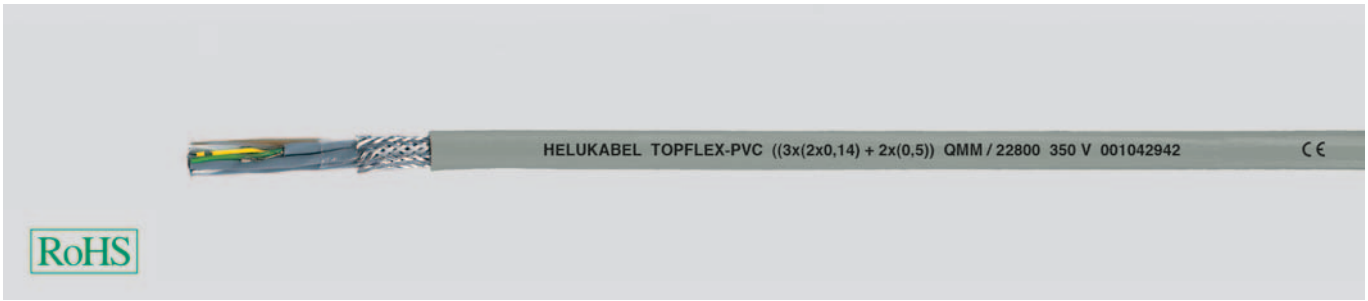
Feedback cables PVC EMC-preferred type, meter marking



Technical data

- Special core and sheath compound of PVC
- **Temperature range**
  flexing -5°C to +70°C
  fixed installation -30°C to +80°C
- **Nominal voltage** 350 V
- **Test voltage**
  core/core 2000 V
  core/screen 1000 V
- **Insulation resistance**
  min. 20 MOhm x km
- **Minimum bending radius**
  10x cable Ø
- **Coupling resistance**
  max. 250 Ohm/km

Cable structure

- Bare copper, fine and/or ultra-fine wire conductors acc. to DIN VDE 0295 cl.5 and/or IEC 60228
- Core insulation of PVC
- Part No. 22800 Cu-screen of single pairs and PVC sheath
- Core identification see table below
- Single cores or pairs stranded in layer with optimal lay-length
- Core wrapping with film
- Tinned copper braided screen, approx. 85% coverage
- Outer sheath of special PVC
- Colour grey (RAL 7001)
- with meter marking

Properties

- Largely oil-resistant, for oil-/ chemical Resistance see Technical Information table
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Tests

- PVC self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

These feedback cables are used in machinery and control construction as well as in plant engineering as these enable an excellent transmission of data and signals. Additional cores for the power supply to individual components are available.
EMC = Electromagnetic compatibillity
To optimize 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 2006/95/EC.

TOPFLEX®-PVC

Part no.	No.cores x cross-sec. mm²	Core marking 0,14 mm²	Core marking 0,5 mm²	Sheath colour	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
22800	(3 x (2 x 0,14) + (2 x 0,5))	GN+YE, GY+PK, BU+RD	WH, BN	Grey	8,5	78,0	112,0	26
22806	(4 x 2 x 0,14 + 4 x 0,5)	RD+BK, BN+GN, YE+VT, GN+PK	WH, BU, WH/GN, BN/GN	Grey	8,5	68,0	111,0	26
22845	(10 x 0,14 + 2 x 0,5)	DIN 47100	WH, BN	Grey	8,0	46,2	70,0	26
22846	(10 x 0,14 + 4 x 0,5)	DIN 47100	WH, BN, GN, YE	Grey	8,2	56,3	86,0	26

Incremental feedback-cable

Part no.	No.cores x cross-sec. mm²	Core marking 0,25 mm²	Core marking 1 mm²	Sheath colour	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
22825	(4 x 2 x 0,25 + 2 x 1,0)	BN+GN, RD+BK, VT+BU, GY+PK	WH, BN	Grey	8,8	66,0	110,0	24

Dimensions and specifications may be changed without prior notice. (RD01)

Suitable accessories can be found in Chapter X.
• Cable Gland - HELUTOP® HT-MS-EP4