

# TOPFLEX®-PVC feedback cable, EMC-preferred type, meter marking



## 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** 350 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
- **Coupling resistance**  
max. 250 Ωm/km

## Cable structure

- Bare copper, fine and/or ultra-fine wire conductors acc. to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and/or IEC 60228
- PVC core insulation
- Cores colour coded according to DIN 47100
- Cores stranded in layers with optimal lay-length
- Core wrapping with film
- Tinned copper braided screening, coverage approx. 85%
- Special PVC outer sheath
- Colour grey (RAL 7001)
- with meter marking, change-over in 2011
- **Colour code for cores**  
Part no. / Core / colours  
22845 / 10x0,14 / to DIN 47100  
22845 / 2x0,5 / white, brown  
22846 / 10x0,14 / to DIN 47100  
22846 / 4x0,5 / white, brown, green, yellow  
22820 / 15x0,14 / to DIN 47100  
22820 / 4x0,5 / white, brown, green, yellow

## Properties

- Largely oil-resistant, for oil-/ chemical Resistance see Technical 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

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 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 2006/95/EG.

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
22845	(10 x 0,14 + 2 x 0,5)	8,0	46,2	70,0	26
22846	(10 x 0,14 + 4 x 0,5)	8,2	56,3	86,0	26

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
22820	(15 x 0,14 + 4 x 0,5)	8,7	59,0	123,0	26

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