

TOPFLEX®-PVC feedback cable, EMC-preferred type



Technical data

- Special core and sheath compound
- **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 MOhm x km
- **Minimum bending radius**
10x cable Ø
- **Coupling resistance**
max. 250 Ohm/km

Cable construction

- Copper, fine and/or ultra-fine wire conductors acc. to DIN VDE 0295, BS 6360 and/or IEC 60228
- PVC core insulation
- Cores colour coded¹⁾ Cores or pairs stranded in layers with optimal lay-length
- Design includes
- Cu screen of single pairs or single cores and PVC-insulated sheath
- Common film wrapping
- Tinned copper braided screening, coverage approx. 85%
- Special PVC outer sheath
- Sheath colour grey (RAL 7001)

Colour code for cores

Part no./Core/colours
 22800 / 0,14 / gn/ye, gy/pk, bu/rd
 22802 / 0,14 / gn/ye, gy/pk, bu/rd
 22803 / 0,14 / gn/gy, pk/rd, bn/bk
 22806 / 0,14 / rd/bk, bn/gn, ye/vt,gy/pk
 22800 / 0,5 / wh, bn
 22802 / 0,5 / wh, bn
 22803 / 0,5 / wh, bu, whgn, bngn
 22806 / 0,5 / wh, bu, whgn, bngn

Properties

- Largely oil-resistant.
For 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 73/23/EEC and 93/68/EEC.

Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.	Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
22800	(3 x 2 x 0,14 + 2 x 0,5)	8,5	78,0	112,0	26	22803	(3 x 2 x 0,14 + 4 x 0,5)	8,5	66,0	98,0	26
22802	(3 x 2 x 0,14 + 2 x 0,5)	8,5	72,0	108,0	26	22806	(4 x 2 x 0,14 + 4 x 0,5)	8,5	68,0	111,0	26

Dimensions and specifications may be changed without prior notice.