

TOPFLEX®-PUR drag chain feedback cable, EMC-preferred type



Technical data

- Special core and sheath compound
- **Temperature range**
flexing -30°C to +80°C
fixed installation -50°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
- **Radiation-resistance**
up to 50x10⁶ cJ/kg (up to 50 Mrad)

Cable construction

- Bare copper, ultra-fine wire conductor to DIN VDE 0295 cl. 6, BS 6360 cl. 6 and/or IEC 60228 cl. 6
- TPE-E-core insulation
- Cores colour coded
- Adern adrig bzw. paarig mit optimalen Schlaglängen in Lagen verseilt
- Design includes Cu screen of single pairs or single cores and PETP (polyethylene terephthalate) sheath
- Fleece wrapping
- Tinned copper braided screening, coverage approx. 85%
- PUR outer sheath, matt
- Sheath colour grey (RAL 7001)

Colour code for cores

Part no./Core/colours
 22847 / 0,14 / to DIN 47100 from green
 22850 / 0,14 / to DIN 47100 from green
 22851 / 0,14 / gn/ye, gy/pk, rd/bu
 22852 / 0,14 / bn/gn, ye/vt, gy/pk,rt/bu
 22853 / 0,25 / rd/bk, bn/gn, gy/pk,bu/vt
 22847 / 0,5 / wh, bn
 22850 / 0,5 / wh, bn
 22851 / 0,5 / wh, bn
 22852 / 0,5 / wh, bu, whgn, bngn
 22853 / 0,5 / wh, bn

Properties

- PUR outer sheath is adhesion-free, flame retardant and resistant to hydrolysis and microbial attack.
- The high abrasion resistance and notch resistance meet the highest requirements
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Note

- For extreme applications extending beyond standard solutions we recommend that you request our questionnaire, which has been especially designed for energy supply systems.
- Art.-No. 22847 diameter of conductor 0,5 mm² per core screened
- Please observe applicable installation regulations for use in energy supply chains.

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, e.g. in energy management chains, robotics and handling equipment. Additional cores for the power supply to individual components are available. The braided screen guarantees reliable signal transmission.

EMC = Electromagnetic compatibility

To optimise the EMC features we recommend a large round contact of the cooper 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.
22847	(3 x 2 x 0,14 + 2 x 0,5)	8,3	78,0	103,0	26	22852	4 x 2 x 0,14 + 4 x 0,5	8,4	73,0	105,0	26
22851	(3 x 2 x 0,14 + 2 x 0,5)	8,4	72,0	105,0	26	22853	4 x 2 x 0,25 + 2 x 0,5	8,6	77,0	125,0	24
22850	(3 x 2 x 0,14 + 2 x 0,5)	8,0	72,0	102,0	26						

Dimensions and specifications may be changed without prior notice.