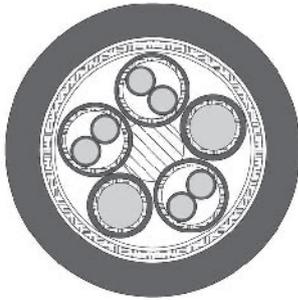


TOPGEBER 501 PVC, flexible feedback cable for fixed installation



Technical data

- **Temperature range**
flexing -5°C to +80°C
fixed installation -30°C to +80°C
- **Nominal voltage**
0,14-0,34 mm²: 350 V
0,5-1,0 mm²: 500 V
- **A.c. test voltage**
core/core 2000 V
core/screen 1000 V
- **Mutual capacitance** at 800 Hz
core/core approx. 135 nF/km
- **Insulation resistance**
min 20 MOhm x km
- **Coupling resistance**
max. 250 Ohm/km
- **Minimum bending radius**
approx. 20 x cable diameters

Cable construction

- Bare copper, fine wire conductors in acc. with DIN VDE 0295 cl. 5 and IEC 60228 cl. 5
- PVC core insulation
- Core colours see below
- Cores and pairs stranded together
- Overall screening with tinned copper braiding, coverage approx. 85%
- Special PVC sheath
- Sheath colour see table

Screening:

Part No. 75137

0,14 mm² pairs screened, 0,5 mm² cores individually screened, overall screen

Part Nos. 700645, 700646, 75136, 700334

0,14 mm² pairs screened, overall screen

Part No. 74379

Four 0,25 mm² pairs screened, and overall screen

Part Nos. 75128, 75131, 72107, 72136, 72720, 75130, 75132, 75133, 75135, 74263

all overall screened

Properties

- Special PVC sheath, largely oil resistant, self-extinguishing and flame retardant, test method B acc. to DIN VDE 0472 part 804 and IEC 60332-1
- Optimum compliance with requirements for electromagnetic compatibility (EMC*) by approx. 85% coverage from the braided screen.
- The sheath colour for DESINA cables is green (RAL 6018).
- These cables are produced to high quality specifications and conform to the DESINA® standard.

Note

• Colour code:

- **Part Nos. 74263, 77783**, at 0,5 mm² starts with wh, bn, bu, bk
- **Part No. 75133**, 0,14 mm² starts with wh, bn/0,5 mm² wh, bn
- **Part No. 700334**, at 1,5 mm² starts with wh, bn
- **Part No. 79269**, at 0,5 mm² starts with wh, bu, whgn, bngn
- **Part No. 700645**, at 0,5 mm² starts with rd, bk
- **Part No. 700645**, bnrd, bnbu/0,5 mm² bngy, bnye, gnbk, gnbk/0,25 mm²
- **Part No. 75132**, 0,5 mm² whrd, whye, whbk, whbu
- **Part Nos. 75137, 72136, 75133, 75135**, at 0,5 mm² starts with wh, bn
- **Part Nos. 75136, 72720, 75130**, at 1,0 mm² starts with wh, bn
- **Part No. 75128**, at 0,5 mm² starts with bk, bn, ye, rd
- **Part No. 75131**, at 0,5 mm² starts with wh, bu, whgn, bngn
- **Part No. 72107**, 0,5 mm² bk, vt, gypk, rdbu

- Brackets () indicate screen.

- SIEMENS product designations 6FX 5008-... are registered trademarks of Siemens AG, and are to be used only for purposes of comparison.
- INDRAMAT product designations INK- are registered trademarks of Bosch-Rexroth AG, and are to be used only for purposes of comparison.
- Desina®: Explanation: see introduction.
- These cables are also available in low capacitance designs (PE core insulation).

Application

These cables conduct different pulses to control the servo motors.

The incremental feedback-cables or the position feedback cables transmit the control impulse for positioning and operating characteristics of servomotors. These cables are used as connecting cable for tacho, brakes and impulse sender for heavy mechanical stresses in plants, machine tools as well as in control and automation technique.

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.

Continuation ▶