

ROBOFLEX® sewer robot trailing



Technical data

- **Temperature range** flexing -40°C to +80°C
- **Nominal voltage** 300/500 V
- **Test voltage** 3000 V
- **Insulation resistance** min. 20 MOhm x km

Cable structure

Part No. 74540

- Bare copper, ultra-fine wire conductors acc. to DIN VDE 0295 cl.6 and/or IEC 60228 cl.6
- Core insulation TPE-E, black with numbering
- 3 COAX 187/U stranded
- Cores and COAX elements and PVC sleeves, special stranded
- PUR outer sheath with embedded high-tensile and high-torsion resistant Kevlar braid
- Sheath colour orange (RAL 2003)

Part No. 70581

- Bare copper, ultra-fine wire conductors acc. to DIN VDE 0295 cl.6 or IEC 60228 cl.6
- PVC core insulation, colour code DIN 47100
- Cores stranded with COAX
- Overall screening with tinned copper braid, coverage approx. 85%
- Special PVC sheath
- Sheath colour grey (RAL 7001)

Part No. 76397 (trailing cable for video cameras)

- Tinned copper conductor, fine wire stranded
- Core insulation of cell polypropylene
- Screen of aluminium-coated polyester foil and tinned copper braiding
- PUR outer sheath
- Sheath colour blue (RAL 5015)

Properties

- To enhance reliability and tensile strength, a high-tensile and high-torsion resistant Kevlar braid is incorporated into the extremely robust PUR sheath

Part No. 74540+76397

- PUR sheath: low adhesion, extremely abrasion resistant, halogen-free, resistant to UV, oil, hydrolysis and microbial attack

Part No. 70581

- Special PVC sheath, largely oil resistant, 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) chemical resistant, (see table Technical Information)

Application

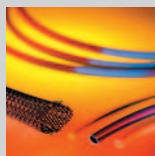
These cables are designed for use with autonomous sewer robots. These robots are used to inspect municipal sewer networks and if necessary to locate leaks or blockages. Some of these robots are even able to seal such leaks after detecting them. Besides cores for power supply, they also contain data cables, hoses for various drives, and coaxial cables for the video camera mounted on the robot.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part No.	No cores x cross-sec mm ²	Outer Ø ca. mm	Cop. weight kg/km	Weight ca. kg/km
74540	22x0,5+6x0,75+3x1+4x1,5+COAX +PVC sleeves	26,8	206,0	450
700766	4x0,14+12x1+3x2,5+1xCOAX +4xPA sleeves	33,5	394,2	1080

Part No.	No cores x cross-sec mm ²	Outer Ø ca. mm	Cop. weight kg/km	Weight ca. kg/km
70581	12 x 0,25+1 x COAX	8,0	73,0	108
76397	1 x 1,22	6,5	24,0	50

Dimensions and specifications may be changed without prior notice. (RH01)



Suitable accessories can be found in Chapter X.

- Heat shrink tubing - SPSP coils