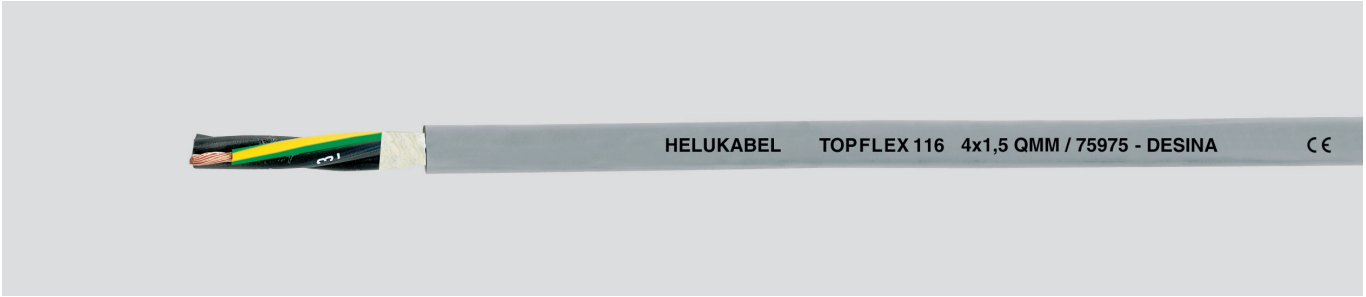
TOPFLEX® 116 PURÖ-JZ-HF

High flexible control cable for drag chains, coolant resistant



Technical data

- Special PUR-cables for drag chains
- Adapted to DIN VDE 0250, 0281, 0293, 0295
- **Temperatur range**
  flexing – 5°C to +80°C
  fixed installation –40°C to +80°C
- **Nominal voltage**
  U_0/U 300/500 V
- **Test voltage**
  3000 V
- **Insulation resistance**
  min. 20 MOhm x km
- **Minimum bending radius**
  for permanent 7,5 x cable ∅

- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Cable structure

- Bare copper, extra fine wire conductors, bunch stranded to DIN VDE 0295 cl. 6 and IEC 60228 cl. 6
- **Oil resistant** PVC core insulation TI2 according to DIN VDE 0281 part 1
- Black cores with continuous white numbering to DIN VDE 0293
- Green-yellow earth core
- Cores stranded in layers with optimal lay-length
- Vlies taping with sliding abilities
- PUR-outer jacket, low adhesion, abrasion resistant, halogen-free, resistant to UV-, oil-, hydrolysis and microbial attack
- PUR-outer jacket self-extinguishing and flame retardant, test method B according to VDE 0472 part 804 and IEC 60332-1
- Jacket colour grey RAL 7040 according to DESINA®

Application

Extremely robust cable noted for its good tear and abrasion resistance. Due to its good performance with mineral oils and especially in connection with coolants, this cable is well suited for use in the machinery, tool making and steel industries in critical areas. Its high abrasion resistance and good flexing ability make it quick and easy to install and, with its low bending radius, ideal for use with cable trays. Suitable for outdoor lying and resistant to UV-radiation, oxygen, ozone and hydrolysis. Conditionally resistant to microbes.

Advantage

These cables are produced by a high quality performance and conform DESINA® standard.

CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

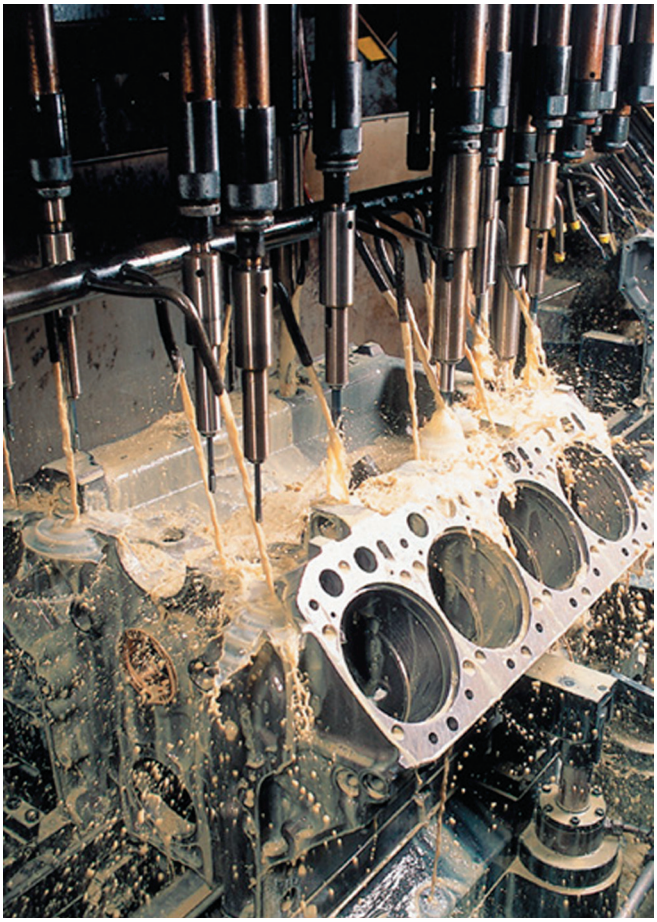


Photo: FUCHS DEA SCHMIERSTOFFE GMBH & CO. KG

Part No.	No. of cores x cross section mm²	Outer ∅ ca. mm	Cop. weight kg/km	Weight ca. kg/km	AWG-no.*)
75969	12G0,5	10,0	58	125	20
75970	3G0,75	6,5	22	50	18
75971	5G0,75	7,5	36	70	18
75972	7G0,75	8,5	50	100	18
75973	18G0,75	12,5	130	230	18
75974	25G1,0	16	240	390	17
75975	4G1,5	8	58	90	16
75976	7G1,5	10,5	101	180	16
75977	25G1,5	19	160	540	16

DESINA®: DEcentralised and **S**tandardised **IN**st**A**llation is a recommendation from VDW, the German toolmakers' association, for harmonisation of components, interfaces and connecting systems

G = with green-yellow earth core

Note
For applications which extend beyond standard solutions we recommend the questionnaire especially designed for energy management systems (see page 13). Please observe the guidelines on installation for energy management chains (installation instructions).

Further technical details see selection table for drag chain cables (pages 8–11).

***) Note**
AWG sizes are approximate equivalent values.
The actual cross-section is in mm² – see page T 15.

HELUKABEL®