



Technical Data

- Special high flexible drag chain cable for medium mechanical stress, according to UL Style 2464
- **Temperature range**
flexing -15 °C up to +80 °C
fixed -40 °C up to +80 °C
- **Nominal voltage**
UL/CSA 300 V
- **Test voltage**
1,500 V
- **Insulation resistance**
min. 100 MΩ x km
- **Minimum bending radius**
flexing 15.0 x cable Ø
fixed inst. 7.5 x cable Ø

Cable Construction

- Bare copper, extra fine wire conductors to IEC 60228 cl. 6 column 4; approx.: 32 x 0.1 mm
- Core insulation Special PP
- Core identification according to DIN 47100:
Cores twisted into pairs
- Pairs twisted in layers with optimal lay-length
- Special wrapping of Polyester-fleece over the outer layer
- Screened with tinned copper wire braiding, optical coverage min. 85%
- Outer sheath of special cold resistant PVC
- Colour of outer sheath: dull, black alike RAL 9005

Properties

- Extensively oil resistant
- PVC outer sheath self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of laquers

Drag Chain Parameters

- Cycles: min. 1 Mio
- Travel distance: max. 15 m
- Travel speed: max. 2 m / s

Application:

These cables are ideal for use in the machine tool industry, in robotics and machine production and anywhere where high flexibility is essential and are suitable for flexible use for medium mechanical stresses with free movements. For applications which go beyond standard solutions (for example for composting appliances or high shelf conveyors with extremely high processing speeds) we recommend for our especially developed enquiry sheet for energy guiding systems.

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

Part No.	No. cores x cross section mm ²	outer Ø ca. mm	Copper weight kg / km	Cable weight kg / km	Part No.	No cores x cross section mm ²	outer Ø ca. mm	Copper weight kg / km	Cable weight kg / km
712917	2 x 2 x 0.25	6.5	23.1	59.1	712773	8 x 2 x 0.5	14.0	107.0	245.1
712918	3 x 2 x 0.25	6.8	29.0	64.2					
712919	4 x 2 x 0.25	7.8	40.4	85.6					
712920	5 x 2 x 0.25	8.3	47.6	94.9					
712814	8 x 2 x 0.25	11.8	73.1	162.8					