

SUPERTRONIC®-310-PVC special cable for drag chains, meter

marking



HELUKABEL SUPERTRONIC 310-PVC: AWM STYLE 2464 24 AWG / 0,25 QMM 4 C
80°C 300V VW-1 LL 113926 CSA AWM I/II A/B 80° FT1



Technical data

- Special PVC drag chain cable acc. to UL-Style 2464
- **Temperature range**
flexing -5°C to +80°C
fixed installation -40°C to +80°C
- **Nominal voltage** 300 V
- **Test voltage** 1500 V
- **Breakdown voltage** min. 3000 V
- **Insulation resistance**
min. 20 MOhm x km
- **Minimum bending radius**
flexing 5x cable Ø
fixed installation 3x cable Ø
- **Radiation resistance**
up to 80x10⁶ cJ/kg (up to 80 Mrad)

Cable structure

- Bare copper conductor, fine wire
Unilay with short lay-lengths
- Core insulation of PVC
class 43 acc. to UL-Std. 1581
- Core identification to DIN 47100
coloured
- Cores stranded in layers with
optimal lay-length
- Wrapping of fleece between the
layers of stranding
- Outer sheath of special PVC, oil resistant
compound type TM5 to
DIN VDE 0207-363-4-1/DIN EN 50363-4-1
and class 43 acc. to UL-Std. 1581
- Sheath colour grey (RAL 7001)
- with meter marking

Properties

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

Tests

- PVC 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)
- Low-adhesion

Note

- Please observe applicable installation regulations for use in energy supply chains.
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

A highly-flexible PVC control cable suitable for frequent and fast lifting and bending stresses in machines and tool building, robot systems and on constantly moving machine components. Long service lives guarantee reliable function and good cost efficiency. For applications which go beyond standard solutions (for example for composting appliances or high shelf conveyors with extremely high processing speeds etc.) we recommend for our especially developed enquiry sheet for energy guiding systems. Before installation in cable trays please read the instructions. Further technical details see selection table for drag chain cables, see lead text. Designed for machines intended for export, specifically USA and Canada.

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

Part no.	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
49885	2 x 0,14	26	3,7	2,8	24,0
49886	3 x 0,14	26	3,9	4,1	26,0
49887	4 x 0,14	26	4,1	5,6	31,0
49888	5 x 0,14	26	4,5	7,0	36,0
49889	7 x 0,14	26	5,1	9,8	50,0
49890	10 x 0,14	26	5,8	14,0	65,0
49891	12 x 0,14	26	6,0	16,8	72,0
49892	14 x 0,14	26	6,2	19,6	78,0
49893	18 x 0,14	26	6,9	25,2	91,0
49894	24 x 0,14	26	7,8	33,6	120,0
49895	25 x 0,14	26	8,3	35,0	125,0
49896	2 x 0,25	24	4,0	5,0	29,0
49897	3 x 0,25	24	4,2	7,5	34,0
49898	4 x 0,25	24	4,5	10,0	40,0
49899	5 x 0,25	24	4,9	12,5	51,0
49900	7 x 0,25	24	5,6	17,5	65,0
49901	10 x 0,25	24	6,4	25,0	85,0
49902	12 x 0,25	24	6,6	30,1	97,0

Part no.	No. cores x cross-sec. mm ²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
49903	14 x 0,25	24	6,9	35,0	109,0
49904	18 x 0,25	24	7,6	45,0	132,0
49905	24 x 0,25	24	8,8	60,0	171,0
49906	25 x 0,25	24	9,4	62,5	178,0
49907	2 x 0,34	22	4,2	6,8	34,0
49908	3 x 0,34	22	4,4	10,2	43,0
49909	4 x 0,34	22	4,8	13,6	58,0
49910	5 x 0,34	22	5,1	17,0	65,0
49911	7 x 0,34	22	5,9	23,8	85,0
49912	10 x 0,34	22	6,8	34,0	117,0
49913	12 x 0,34	22	7,0	40,8	134,0
49914	14 x 0,34	22	7,4	47,6	152,0
49915	18 x 0,34	22	8,1	61,2	184,0
49916	24 x 0,34	22	9,6	81,5	242,0
49917	25 x 0,34	22	10,0	85,0	252,0

Dimensions and specifications may be changed without prior notice. (RN05)