

SUPERTRONIC-330 PURÖ cable for drag chains,

halogen-free, meter marking



HELUKABEL SUPERTRONIC 330 PURÖ 4x0,34 QMM E 170515 AWM STYLE
20233 22 AWG 4C WV-1c AWM I/II A/B 80°C 300V FT1/49788 001070789



Technical data

- Special PUR sheathed cable
- **Temperature range**
flexing -40°C to +80°C
fixed -50°C to +80°C
- **Nominal voltage** 300 V
- **Test voltage**
core/core 1500 V
- **Insulation resistance**
min. 100 MOhm x km
- **Capacitance**
core/core 60 nF/km
- **Minimum bending radius**
flexing 5 x cable Ø
fixed 3 x cable Ø
- **Radiation resistance**
up to 100x10⁶ cJ/kg (up to 100 Mrad)

Cable structure

- Bare copper, fine-wire to DIN VDE 0295 cl. 6, col. 4, BS 6360 cl. 6
- Polyolefine core insulation
- Cores stranded in layers with optimally adjusted lay-lengths
- Cores colour coded to DIN 47100
- Foil wrapping over the outer layer
- Special **full-polyurethane** outer sheath TMPU to DIN VDE 0282 Part 10, Annex A and acc. to UL std. 1581 Tab. 50227 80°C
- Sheath colour grey (RAL 7001)
- with meter marking, change-over in 2009

Properties

- PUR flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- Low adhesion
- High flexibility at low temperatures
- High abrasion resistance
- Tear and cut-resistant
- Notch resistant
- **Resistant to**
UV-radiation, Oxygen, Ozone, Hydrolysis, Oil
- **Partially resistant to**
Microbial attack, Hydraulic fluids, Coolant emulsion, Alkalis
- The materials used in manufacture are silicon and cadmium-free and contain no substances harmful to the wetting properties of lacquers

Application

For installation in dry, moist and wet rooms and outdoors with free movement without tensile stress or forced movements, impressively proven in drag chain application.

A highly flexible PUR control cable, suitable for frequent and quick lifting and bending stresses in machine engineering and construction, in robot technology and on permanently moving machine components. Long service life guarantees reliable function and high 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.

Attractive for export-oriented mechanical engineering.

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

Part No.	No. cores x cross-sec. mm ²	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
49764	2 x 0,14	26	3,9	2,8	22,0
49765	3 x 0,14	26	4,0	4,1	24,0
49766	4 x 0,14	26	4,3	5,6	29,0
49767	5 x 0,14	26	4,7	7,0	33,0
49768	7 x 0,14	26	5,3	9,8	47,0
49769	10 x 0,14	26	6,1	14,0	57,0
49770	12 x 0,14	26	6,2	16,8	63,0
49771	14 x 0,14	26	6,5	19,6	72,0
49772	18 x 0,14	26	7,2	25,2	80,0
49773	24 x 0,14	26	8,2	33,6	110,0
49774	25 x 0,14	26	8,6	35,0	115,0
49775	2 x 0,25	24	4,3	5,0	26,0
49776	3 x 0,25	24	4,5	7,5	30,0
49777	4 x 0,25	24	4,8	10,0	39,0
49778	5 x 0,25	24	5,2	12,5	44,0
49779	7 x 0,25	24	6,0	17,5	52,0
49780	10 x 0,25	24	6,9	25,0	70,0

Part No.	No. cores x cross-sec. mm ²	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
49781	12 x 0,25	24	7,1	30,1	84,0
49782	14 x 0,25	24	7,4	35,0	97,0
49783	18 x 0,25	24	8,2	45,0	114,0
49784	24 x 0,25	24	9,6	60,0	157,0
49785	25 x 0,25	24	10,1	62,5	160,0
49786	2 x 0,34	22	4,6	6,8	31,0
49787	3 x 0,34	22	4,8	10,2	38,0
49788	4 x 0,34	22	5,2	13,6	51,0
49789	5 x 0,34	22	5,6	17,0	54,0
49790	7 x 0,34	22	6,5	23,8	77,0
49791	10 x 0,34	22	7,5	34,0	104,0
49792	12 x 0,34	22	7,7	40,8	122,0
49793	14 x 0,34	22	8,1	47,6	140,0
49794	18 x 0,34	22	9,2	61,2	162,0
49795	24 x 0,34	22	10,7	81,5	204,0
49796	25 x 0,34	22	11,2	85,0	229,0

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