SUPERTRONIC®-330-PURö

HELUKABEL® SUPERTRONIC® 330 PURö 4x0,34 QMM E 170315 AWM STYLE 20233
22 AWG 4C VW-1 AWM I/II A/B 80°C 300V FT1/ 49788 CE

TECHNICAL DATA

PUR drag chain cable acc. to UL-Std. 758 (AWM) Style 20233, CSA-Std. C22.2 No. 210 - AWM I/II A/B

Temperature range	flexible -30°C to +80°C
	fixed -40°C to +80°C
Nominal voltage	UL (AWM) AC 300 V
Test voltage core/core	1500 V
Mutual capacitance core/core	at 800 Hz, approx. 60 pF/m
Minimum bending radius	flexible 5x Outer-Ø
	fixed 3x Outer-Ø

CABLE STRUCTURE

- Copper wire bare, extra finely stranded
- Wire structure:
  0.14 mm²: approx. 18 x 0.1 mm
  0.25 mm²: approx. 32 x 0.1 mm
  0.34 mm²: approx. 42 x 0.1 mm
- Core insulation: PP
- Core identification acc. to DIN 47100, colour coded
- x = without protective conductor
- Cores stranded in layers with optimally matched lay lengths
- Fleece wrapping
- Outer sheath: Special grade of full polyurethane acc. to DIN VDE 0207-363-10-2 / DIN EN 50363-10-2 (compound type TMPU), UL-Std. 1581
- Sheath colour: grey (RAL 7001)
- Length marking: in metres

PROPERTIES

- resistant to: oil, UV radiation, ozone, oxygen, weathering effects, hydrolysis, microbes, coolants, hydraulic fluids, acids, alkalis, greases, seawater and wastewater
- highly abrasion-resistant, notch-resistant, tear-resistant, cut-resistant, wear-resistant, low adhesion

- for outdoor use
- suitable for use in drag chains
- halogen-free
- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2, UL VW-1, CSA FT1
- oil-resistant acc. to DIN VDE 0473-811-404 / DIN EN 60811-404 / IEC 60811-404
- UV-resistant acc. to DIN EN ISO 4892-2
- weather-resistant acc. to DIN EN ISO 4892-2

APPLICATION

For installation in dry, damp and wet rooms, as well as outdoors with free movement, without tensile stress and without forced motion control. Suitable for frequent and fast lifting and bending stress in machine and tool construction, robotics, and in permanently moving machine parts. A long service life ensures reliable operation and high economic efficiency. It is also well-suited for for use in the export-oriented mechanical engineering industry.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only
- for use in energy supply systems:
  1) the assembly instructions must be observed
  2) for further application parameters, please refer to the selection tables
  3) for special applications, we recommend contacting us and using our data entry form for energy supply systems

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
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. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
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

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