SUPERTRONIC®-330-C-PURö

EMC-preferred type

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
Test voltage core/screen	1000 V
Mutual capacitance core/core	at 800 Hz, approx. 60 pF/m
Coupling resistance	at 30 MHz, approx. 250 Ohm/km
Minimum bending radius	flexible 7.5x Outer-Ø fixed 4x 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
- Screen: braided screen of tinned copper wires, approx. coverage 85%
- 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 guarantees reliable function and high efficiency. The high screening density ensures interference-free transmission of signals or pulses. EMC= Electromagnetic Compatibility; in order to optimise EMC properties, we recommend a double-sided and all-round large contact area of the copper braiding.

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.
49797	2 x 0.14	26	4.4	11.2	32.0
49798	3 x 0.14	26	4.5	14.1	35.0
49799	4 x 0.14	26	4.8	15.5	40.0
49800	5 x 0.14	26	5.0	18.3	45.0
49801	7 x 0.14	26	5.8	27.8	66.0
49802	10 x 0.14	26	6.7	39.3	86.0
49803	12 x 0.14	26	6.8	42.1	94.0
49804	14 x 0.14	26	7.1	45.3	102.0
49805	18 x 0.14	26	7.8	54.1	118.0
49806	24 x 0.14	26	8.8	66.3	149.0
49807	25 x 0.14	26	9.2	68.4	156.0
49808	2 x 0.25	24	4.8	14.9	38.0
49809	3 x 0.25	24	5.0	18.8	44.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
49810	4 x 0.25	24	5.3	21.3	51.0
49811	5 x 0.25	24	5.7	31.0	68.0
49812	7 x 0.25	24	6.6	39.6	82.0
49813	10 x 0.25	24	7.5	53.9	110.0
49814	12 x 0.25	24	7.7	59.1	124.0
49815	14 x 0.25	24	8.0	64.2	135.0
49816	18 x 0.25	24	8.8	78.4	150.0
49817	24 x 0.25	24	10.2	89.9	194.0
49818	25 x 0.25	24	10.7	101.0	204.0
49819	2 x 0.34	22	5.1	18.1	45.0
49820	3 x 0.34	22	5.3	28.7	60.0
49821	4 x 0.34	22	5.7	35.7	76.0
49822	5 x 0.34	22	6.1	39.1	82.0

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Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
49823	7 x 0.34	22	7.1	52.7	110.0
49824	10 x 0.34	22	8.1	67.4	148.0
49825	12 x 0.34	22	8.3	76.4	166.0
49826	14 x 0.34	22	8.7	85.5	185.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
49827	18 x 0.34	22	9.8	99.7	216.0
49828	24 x 0.34	22	11.3	147.1	291.0
49829	25 x 0.34	22	11.8	155.0	305.0