

# SUPERTRONIC®-310-PVC



HELUKABEL® SUPERTRONIC® 310-PVC 9A AWM STYLE 2464 24 AWG / 0,25 QMM 5C  
80°C 300V VW-1 LL113926 CSA AWM I/II A/B 80°C FT1 CE

## TECHNICAL DATA

PVC drag chain cable acc. to UL-Std. 758 (AWM) Style 2464, CSA-Std. C22.2 No. 210 - AWM I/II A/B

<b>Temperature range</b>	flexible -5°C to +80°C fixed -40°C to +80°C
<b>Nominal voltage</b>	UL (AWM) AC 300 V
<b>Test voltage core/core</b>	1500 V
<b>Breakdown voltage</b>	3000 V
<b>Minimum bending radius</b>	flexible 5x Outer-Ø fixed 3x Outer-Ø

## CABLE STRUCTURE

- Copper wire bare, finely stranded, unilay with short lay lengths
- Core insulation: Special-PVC acc. to UL-Std. 1581 Tab. 50.183 (semirigid)
- 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: oil-resistant special PVC acc. to DIN VDE 0207-363-4-1 / DIN EN 50363-4-1 (compound type TM5), UL-Std. 1581
- Sheath colour: grey (RAL 7001)
- Length marking: in metres

## PROPERTIES

- resistant to: oil
- low adhesion

- suitable for use in drag chains
- 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
- certifications and approvals: EAC

## APPLICATION

Used as a highly flexible PVC drag chain cable 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. Designed for the export-oriented machine construction industry, specifically for the USA and Canada.

## NOTES

- the conductor is metrically (mm<sup>2</sup>) 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. mm <sup>2</sup>	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
49885	2 x 0.14	26	3.8	2.8	24.0
49886	3 x 0.14	26	4.0	4.1	26.0
49887	4 x 0.14	26	4.3	5.6	31.0
49888	5 x 0.14	26	4.6	7.0	36.0
49889	7 x 0.14	26	5.3	9.8	50.0
49890	10 x 0.14	26	6.2	14.0	65.0
49891	12 x 0.14	26	6.2	16.8	72.0
49892	14 x 0.14	26	6.5	19.6	78.0
49893	18 x 0.14	26	7.1	25.2	91.0
49894	24 x 0.14	26	8.1	33.6	120.0
49895	25 x 0.14	26	8.5	35.0	125.0
49896	2 x 0.25	24	4.1	5.0	29.0
49897	3 x 0.25	24	4.3	7.5	34.0
49898	4 x 0.25	24	4.6	10.0	40.0
49899	5 x 0.25	24	5.0	12.5	51.0
49900	7 x 0.25	24	5.8	17.5	65.0
49901	10 x 0.25	24	6.8	25.0	85.0

Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
49902	12 x 0.25	24	6.8	30.1	97.0
49903	14 x 0.25	24	7.1	35.0	109.0
49904	18 x 0.25	24	7.9	45.0	132.0
49905	24 x 0.25	24	9.3	60.0	171.0
49906	25 x 0.25	24	9.7	62.5	178.0
49907	2 x 0.34	22	4.3	6.8	34.0
49908	3 x 0.34	22	4.5	10.2	43.0
49909	4 x 0.34	22	4.9	13.6	58.0
49910	5 x 0.34	22	5.3	17.0	65.0
49911	7 x 0.34	22	6.1	23.8	85.0
49912	10 x 0.34	22	7.2	34.0	117.0
49913	12 x 0.34	22	7.2	40.8	134.0
49914	14 x 0.34	22	7.6	47.6	152.0
49915	18 x 0.34	22	8.4	61.2	184.0
49916	24 x 0.34	22	9.9	81.5	242.0
49917	25 x 0.34	22	10.3	85.0	252.0

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