# SUPERTRONIC®-310-PVC


## 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**

| | |
|---|---|
| **Temperature range** | flexible -5°C to +80°C<br>fixed -40°C to +80°C |
| **Nominal voltage** | UL (AWM) AC 300 V |
| **Test voltage core/core** | 1500 V |
| **Breakdown voltage** | 3000 V |
| **Minimum bending radius** | flexible 5x Outer-Ø<br>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 (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. |
|---|---|---|---|---|---|
| 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. mm² | 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 |