SUPERTRONIC®-C-PVC

colour code DIN 47100, EMC-preferred type



TECHNICAL DATA

PVC drag chain cable in alignment with DIN VDE 0285-525-1 / DIN EN 50525-1

Temperature range	flexible -5°C to +70°C fixed -40°C to +70°C
Nominal voltage	AC U 350 V
Test voltage core/core	1500 V
Breakdown voltage	3000 V
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 0.10 mm
  0.25 mm²: approx. 32 x 0.10 mm
  0.34 mm²: approx. 42 x 0.10 mm
- Core insulation: PVC acc. to DIN VDE 0207-363-3 / DIN EN 50363-3 (compound type TI2)
- 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, approx. coverage 85%
- Outer sheath: Special-PVC acc. to DIN VDE 0207-363-4-1 / DIN EN 50363-4-1 (compound type TM2)
- Sheath colour: grey (RAL 7001)
- Length marking: in metres

PROPERTIES

- largely resistant to: oil,
  for details, see "Technical Information"
- 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

APPLICATION

These cables are ideal for the use in drag chain applications; for frequent lifting and bending stress in machine and tool construction, in robotics and on permanently moving machine parts. A long service life also guarantees reliable function and high efficiency. 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.
49620	2 x 0.14	26	3.9	11.2	33.0
49621	3 x 0.14	26	4.3	14.1	36.0
49622	4 x 0.14	26	4.6	15.5	41.0
49623	5 x 0.14	26	4.9	18.3	46.0
49624	7 x 0.14	26	5.7	27.6	70.0
49625	10 x 0.14	26	6.6	39.3	88.0
49626	12 x 0.14	26	6.6	41.1	97.0
49627	14 x 0.14	26	7.1	45.3	105.0
49628	18 x 0.14	26	7.7	54.1	122.0
49629	24 x 0.14	26	8.9	66.3	156.0
49630	25 x 0.14	26	9.5	68.4	162.0
49631	2 x 0.25	24	4.6	14.9	39.0
49632	3 x 0.25	24	4.8	18.8	45.0
49633	4 x 0.25	24	5.2	21.3	52.0
49634	5 x 0.25	24	5.8	31.0	70.0
49635	7 x 0.25	24	6.6	39.6	88.0
49636	10 x 0.25	24	7.8	53.9	114.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
49637	12 x 0.25	24	7.8	59.1	128.0
49638	14 x 0.25	24	8.4	64.2	140.0
49639	18 x 0.25	24	9.2	78.4	166.0
49640	24 x 0.25	24	10.8	89.9	210.0
49641	25 x 0.25	24	11.2	101.0	220.0
49642	2 x 0.34	22	5.0	16.1	46.0
49643	3 x 0.34	22	5.3	28.7	62.0
49644	4 x 0.34	22	5.9	35.7	80.0
49645	5 x 0.34	22	6.3	39.1	88.0
49646	7 x 0.34	22	7.5	52.7	116.0
49647	10 x 0.34	22	8.9	67.4	156.0
49648	12 x 0.34	22	8.9	76.4	167.0
49649	14 x 0.34	22	9.5	85.3	195.0
49650	18 x 0.34	22	10.4	99.7	225.0
49651	24 x 0.34	22	12.2	147.1	312.0
49652	25 x 0.34	22	12.7	155.0	325.0

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