

SUPERTRONIC®-PVC

colour code DIN 47100



HELUKABEL® SUPERTRONIC®-PVC 5x0,25 QMM / 49564 350 V CE

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
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: PVC acc. to DIN VDE 0207-363-3 / DIN EN 50363-3 (compound type T12)
- 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-PVC in alignment with 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
- certifications and approvals: EAC

■ APPLICATION

Proven in drag chain applications; suitable for frequent and fast lifting and bending stresses in machine and tool construction, in robotics and on permanently moving machine parts. Reliable operation ensures a long service life and high efficiency.

■ 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. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
49550	2 x 0.14	26	3.5	2.8	23.0
49551	3 x 0.14	26	3.7	4.1	25.0
49552	4 x 0.14	26	3.9	5.6	30.0
49553	5 x 0.14	26	4.2	7.0	35.0
49554	7 x 0.14	26	4.8	9.8	49.0
49555	10 x 0.14	26	6.2	14.0	64.0
49556	12 x 0.14	26	6.3	16.8	71.0
49557	14 x 0.14	26	6.6	19.6	77.0
49558	18 x 0.14	26	7.2	25.2	90.0
49559	24 x 0.14	26	8.5	33.6	119.0
49560	25 x 0.14	26	8.6	35.0	124.0
49561	2 x 0.25	24	4.2	5.0	28.0
49562	3 x 0.25	24	4.4	7.5	33.0
49563	4 x 0.25	24	4.7	10.0	39.0
49564	5 x 0.25	24	5.6	12.5	50.0
49565	7 x 0.25	24	6.1	17.5	63.0
49566	10 x 0.25	24	7.2	25.0	83.0

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
49567	12 x 0.25	24	7.5	30.1	95.0
49568	14 x 0.25	24	7.9	35.0	107.0
49569	18 x 0.25	24	8.9	45.0	130.0
49570	24 x 0.25	24	10.4	60.0	170.0
49571	25 x 0.25	24	10.5	62.5	177.0
49572	2 x 0.34	22	4.6	6.8	33.0
49573	3 x 0.34	22	4.8	10.2	42.0
49574	4 x 0.34	22	5.2	13.6	56.0
49575	5 x 0.34	22	6.1	17.0	64.0
49576	7 x 0.34	22	7.0	23.8	84.0
49577	10 x 0.34	22	8.4	34.0	116.0
49578	12 x 0.34	22	8.5	40.8	133.0
49579	14 x 0.34	22	9.0	47.6	150.0
49580	18 x 0.34	22	10.1	61.2	182.0
49581	24 x 0.34	22	12.0	81.5	240.0
49582	25 x 0.34	22	12.2	85.0	250.0