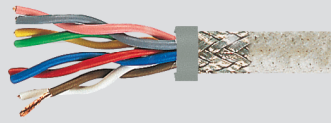


# SUPER-PAAR-TRONIC 340-C-PUR

Cable for drag chains, halogen-free, meter marking, EMC-preferred type



HELUKABEL SUPER-PAAR-TRONIC 340-C-PUR 8x2x0,5 QMM E 170315 AWM STYLE 20233 20 AWG 16C VW-1 AWM III A/B 80°C 300V FT1/49854 001070044 CE

## Technical data

- Special drag chain cable, stranded in pairs, to UL-Style 20233
- **Temperature range**  
flexing -30°C to +80°C  
fixed installation -40°C to +80°C
- **Nominal voltage**  
300 V
- **Test voltage**  
core/core 1500 V  
core/screen 1000 V
- **Mutual capacitance** at 800 Hz  
core/core approx. 60 pF/m
- **Coupling resistance**  
max. 250 Ohm/km
- **Minimum bending radius**  
flexing  
0,14 - 0,25 mm<sup>2</sup>: 7,5x outer Ø  
0,34 - 1 mm<sup>2</sup>: 10x outer Ø  
fixed installation  
0,14 - 0,25 mm<sup>2</sup>: 4x outer Ø  
0,34 - 1 mm<sup>2</sup>: 5x outer Ø

## Cable structure

- Bare copper conductor, extra fine wire from 0,5 mm<sup>2</sup> acc. to DIN VDE 0295 cl.6 / IEC 60228 cl.6
- Conductor construction:  
0,14 mm<sup>2</sup> approx. 18x0,1 mm  
0,25 mm<sup>2</sup> approx. 32x0,1 mm  
0,34 mm<sup>2</sup> approx. 42x0,1 mm
- Core insulation of PP
- Core identification to DIN 47100
- Cores stranded in pairs, pairs stranded torsion-free in layers with optimal selected lay length
- Fleece wrapping
- Tinned copper braided screen, approx. coverage 85%
- Fleece wrapping
- Outer sheath of **full polyurethane** compound type Tmpu acc. to DIN VDE 0207-363-10-2 / DIN EN 50363-10-2 and acc. to UL Std.1581 tab.50.227
- Sheath colour: grey (RAL 7001)
- With meter marking

## Properties

- Resistant to weather, ozone, UV-radiation, solvents, acids, alkalis, hydraulic liquidity
- 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 resistance acc. to DIN VDE 0473-811-404/DIN EN 60811-404

## Note

- The conductor is metrically constructed (mm<sup>2</sup>). The AWG designation is approximate and purely informative.

## Advantages

- High tear, abrasion and impact resistance, even at low temperatures

## Application

Stranded in pairs, these fully-screened special drag chain cables can also be used where external, high-frequency interference influences pulse transfer. They are used for permanently flexible stresses in machine and tool building, in robot technology, on constantly moving machine components and for extended use in multi-shift operations. This two-approvals single-core cable is preferred for use in export-oriented mechanical engineering, in machine tools, production lines and systems engineering. Guaranteed extended use in multi-shift operations with extremely high bending stresses. For applications which go beyond standard solutions we recommend for our especially developed enquiry sheet for energy guiding systems. For use in cable drag chains please note installation instruction. Further technical details see selection table for drag chain cables, see chapter "Technical Information".

**EMC** = Electromagnetic compatibility

To optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

**CE** = Product conforms with Low-Voltage Directive 2014/35/EU.

Part no.	No.pairs x no.cores x cross-sec. mm <sup>2</sup>	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
49536	1 x 2 x 0,14	26	4,3	13,0	24,0
49537	2 x 2 x 0,14	26	5,5	19,2	41,0
49538	3 x 2 x 0,14	26	5,8	23,3	52,0
49539	4 x 2 x 0,14	26	6,2	27,0	59,0
49540	5 x 2 x 0,14	26	6,7	37,6	72,0
49541	6 x 2 x 0,14	26	7,2	49,2	89,0
49542	8 x 2 x 0,14	26	8,4	54,6	107,0
49543	10 x 2 x 0,14	26	9,1	60,0	116,0
49830	1 x 2 x 0,25	24	4,9	14,0	26,0
49831	2 x 2 x 0,25	24	6,6	32,0	61,0
49832	3 x 2 x 0,25	24	6,9	38,4	70,0
49833	4 x 2 x 0,25	24	7,5	43,2	82,0
49834	5 x 2 x 0,25	24	8,1	51,5	99,0
49835	6 x 2 x 0,25	24	8,8	71,8	126,0
49836	8 x 2 x 0,25	24	10,4	74,4	147,0
49837	10 x 2 x 0,25	24	11,3	90,0	179,0
49838	14 x 2 x 0,25	24	12,4	111,2	210,0
49839	1 x 2 x 0,34	22	5,1	20,0	35,0
49840	2 x 2 x 0,34	22	6,9	41,0	80,0
49841	3 x 2 x 0,34	22	7,3	52,2	100,0
49842	4 x 2 x 0,34	22	7,9	59,1	118,0
49843	5 x 2 x 0,34	22	8,6	67,0	134,0
49844	6 x 2 x 0,34	22	9,5	86,4	162,0
49845	8 x 2 x 0,34	22	11,2	107,5	214,0
49846	10 x 2 x 0,34	22	12,1	131,0	270,0

Part no.	No.pairs x no.cores x cross-sec. mm <sup>2</sup>	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
49847	14 x 2 x 0,34	22	13,5	150,0	304,0
49848	1 x 2 x 0,5	20	5,7	22,5	47,0
49849	2 x 2 x 0,5	20	7,9	53,0	100,0
49850	3 x 2 x 0,5	20	8,4	72,8	131,0
49851	4 x 2 x 0,5	20	9,3	75,6	149,0
49852	5 x 2 x 0,5	20	10,1	85,7	169,0
49853	6 x 2 x 0,5	20	11,2	103,0	181,0
49854	8 x 2 x 0,5	20	13,6	148,4	274,0
49855	10 x 2 x 0,5	20	14,7	180,0	332,0
49856	14 x 2 x 0,5	20	16,3	218,3	390,0
49857	1 x 2 x 0,75	19	6,4	35,2	56,0
49858	2 x 2 x 0,75	19	9,1	61,4	102,0
49859	3 x 2 x 0,75	19	9,8	87,1	144,0
49860	4 x 2 x 0,75	19	10,9	95,2	160,0
49861	5 x 2 x 0,75	19	12,1	115,0	193,0
49862	6 x 2 x 0,75	19	13,5	137,1	216,0
49863	8 x 2 x 0,75	19	16,1	184,4	327,0
49864	10 x 2 x 0,75	19	17,4	259,8	451,0
49865	14 x 2 x 0,75	19	19,2	318,4	521,0
49866	1 x 2 x 1	18	6,9	42,0	64,0
49867	2 x 2 x 1	18	10,1	73,0	120,0
49868	3 x 2 x 1	18	10,9	93,6	160,0
49869	4 x 2 x 1	18	12,1	117,8	184,0
49870	5 x 2 x 1	18	13,6	139,0	217,0

Dimensions and specifications may be changed without prior notice. (RN05)

03.08.2020 / Dimensions and specifications may be changed without prior notice.