

MULTISPEED® 600-C-PUR -J/-O special cable for drag chains, screened, halogen-free, EMC-preferred type, meter marking



HELUKABEL MULTISPEED 600-C-PUR-J 1x16 QMM / 6 AWG c.UL us AWM STYLE 10545 1000V CE



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Technical data

- Special drag chain core cable for mechanical stresses adapted to DIN VDE 0281 Part 3 and UL-Style 10553
- **Temperature range**
flexing -30 °C to +80 °C
fixed installation -40 °C to +90 °C
- **Nominal voltage** U₀/U 600/1000 V
- **Test voltage** 3000 V
- **Insulation resistance**
min. 100 MOhm x km
- **Minimum bending radius**
flexing 5 x core Ø
fixed installation 3 x core Ø

Cable structure

- Bare copper conductor, ultra-fine wire to DIN VDE 0295 cl. 6, column 4, BS 6360 cl. 6 and/or IEC 60228 cl. 6
- 1st core insulation from thermoplastic polymer in either black or green/yellow
- Braided screen of tinned Cu wires, coverage approx. 85%
- Core wrapping with fleece
- 2nd insulation from special polyurethane, TPU adapted to DIN VDE 0282, Part 10, low-adhesion
- Sheath colour black (RAL 9005)
- with meter marking, change-over in 2011

Properties

- Flame retardant, FT1, VW-1
- Halogen-free
- Abrasion resistant
- Very good oil resistance
- Very good alternating bending strength
- Very high resistance to mechanical stresses
- Improved notch resistance
- Ozone and UV-resistant
- Coolant-resistant
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Note

- G = with green-yellow earth core;
x = without green-yellow earth core (OZ).
- Please observe applicable installation regulations for use in energy supply chains.
- **unscreened analogue type:**
MULTISPEED® 600-PUR -J/-O,
see page N 124

Application

These special drag chain core cables permit extended use with extreme requirements, with free movement, without tensile stresses or forced movements. Suitable for installation in long traverse paths and high speeds in dry, high temperature influence in dry, moist and wet environments and in the open air.

These cables can be used for all applications demanding the highest requirements in flexibility, abrasion resistance, ozone and chemical resistance. The copper screening assures a disturbance-free data and signal transmission for measuring and control systems. For applications extending beyond standard solutions (e.g. composting plants or high-lift conveyor systems working at extremely low speeds), we recommend that you request our questionnaire, which has been especially designed for energy supply systems. Before installation in cable trays please read the instructions.

EMC = Electromagnetic compatibility

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

CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
25901	1 G 6	7,8	71,0	101,0	10
25282	1 x 6	7,8	71,0	101,0	10
25902	1 G 10	9,7	122,0	168,0	8
25283	1 x 10	9,7	122,0	168,0	8
25903	1 G 16	11,7	180,0	217,0	6
25284	1 x 16	11,7	180,0	217,0	6
25904	1 G 25	13,2	282,0	342,0	4
25285	1 x 25	13,2	282,0	342,0	4
25905	1 G 35	15,2	386,0	468,0	2
25286	1 x 35	15,2	386,0	468,0	2
25906	1 G 50	18,7	535,0	584,0	1
25287	1 x 50	18,7	535,0	584,0	1
25907	1 G 70	21,2	750,0	822,0	2/0
25288	1 x 70	21,2	750,0	822,0	2/0

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
25908	1 G 95	23,4	1004,0	1190,0	3/0
25289	1 x 95	23,4	1004,0	1190,0	3/0
25909	1 G 120	24,5	1260,0	1400,0	4/0
25290	1 x 120	24,5	1260,0	1400,0	4/0
25910	1 G 150	27,8	1570,0	1710,0	300 kcmil
25291	1 x 150	27,8	1570,0	1710,0	300 kcmil
25911	1 G 185	29,4	1911,0	2021,0	350 kcmil
25292	1 x 185	29,4	1911,0	2021,0	350 kcmil
25912	1 G 240	34,2	2451,0	2601,0	500 kcmil
25293	1 x 240	34,2	2451,0	2601,0	500 kcmil
25913	1 G 300	37,4	2997,0	3257,0	600 kcmil
25294	1 x 300	37,4	2997,0	3257,0	600 kcmil

Dimensions and specifications may be changed without prior notice. (RN06)