

MULTISPEED® 600-PUR -J/-O special single cores

for drag chains, halogen-free, meter marking



Technical data

- Special drag chain core line for extreme 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
- 2nd core insulation from special polyurethane, TPU adapted to DIN VDE 0282, Part 10, low-adhesion
- Sheath colour: pine green (RAL 6028)
- with meter marking, change-over in 2009

Properties

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

Note

- G = with green-yellow earth core;
x = without green-yellow earth core (OZ).
- **screened analogue type:**
MULTISPEED® 600-C-PUR -J/-O
see page N 104

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.

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.

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 app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.	Part No.	No. cores x cross-sec. mm ²	Outer ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
25888	1 G 6	6,5	58,0	80,0	10	25895	1 G 95	20,0	912,0	1050,0	3/0
25269	1 x 6	6,5	58,0	80,0	10	25276	1 x 95	20,0	912,0	1050,0	3/0
25889	1 G 10	8,4	96,0	130,0	8	25896	1 G 120	21,0	1152,0	1240,0	4/0
25270	1 x 10	8,4	96,0	130,0	8	25277	1 x 120	21,0	1152,0	1240,0	4/0
25890	1 G 16	9,5	154,0	181,0	6	25897	1 G 150	23,8	1440,0	1524,0	300 kcmil
25271	1 x 16	9,5	154,0	181,0	6	25278	1 x 150	23,8	1440,0	1524,0	300 kcmil
25891	1 G 25	11,0	240,0	274,0	4	25898	1 G 185	26,4	1776,0	1932,0	350 kcmil
25272	1 x 25	11,0	240,0	274,0	4	25279	1 x 185	26,2	1776,0	1932,0	350 kcmil
25892	1 G 35	12,5	336,0	398,0	2	25899	1 G 240	29,8	2304,0	2467,0	500 kcmil
25273	1 x 35	12,5	336,0	398,0	2	25280	1 x 240	29,8	2304,0	2467,0	500 kcmil
25893	1 G 50	15,4	480,0	529,0	1	25900	1 G 300	33,1	2880,0	3140,0	600 kcmil
25274	1 x 50	15,4	480,0	529,0	1	25281	1 x 300	33,1	2880,0	3140,0	600 kcmil
25894	1 G 70	18,2	672,0	717,0	2/0						
25275	1 x 70	18,2	672,0	717,0	2/0						

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