MULTISPEED® 500-PUR safety against high bending in drag chain

systems, low torsion, halogen-free, meter marking







HELUKABEL MULTISPEED 500-PUR 4G1 QMM / 24137 300/500 V 001041881





HELUKABEL MULTISPEED 500-PUR 18G1 QMM / 24141 300/500 V 001041797 C€

Technical data

- Special drag chain cables for high mechanical stress adapted to DIN VDE 0285-525-2-51 / DIN EN 50525-2-51 and DIN VDE 0285-525-2-21/ DIN EN 50525-2-21
- **Temperature range** flexing -30°C to +80°C fixed installation -40°C to +80°C
- Nominal voltage U₀/U 300/500 V
- Test voltage 3000 V
- Insulation resistance min. 100 MOhm x km
- Minimum bending radius flexing 7,5x cable Ø fixed installation 4x cable Ø
- Radiation resistance up to $100x10^6$ cJ/kg (up to 100 Mrad)

Cable structure

- Bare copper, fine wire conductors, Unilay with short pitch length
- Core insulation of special PP
- Core identification black cores with continuous white numbering
- GN-YE conductor, 3 cores and above
- Stranding:
 - <7 cores: cores stranded in a layer with optimal lay-length around a filler as per construction
 - ≥7 cores: cores stranded with optimal lay-length to bunch-construction with low torsion strength, optimal selected short lay-length around a filler
- Special-PUR outer sheath, extruded as filler with pressure
- Sheath colour black (RAL 9005)
- with meter marking

Properties

- Low adhesion
- Halogen-free
- Oil resistance
- Better chemical resistance
- UV and ozone resistance
- Higher economical solution
- Reduced Ø, results low weight of moving materials
- High property of alternating bending strength
- High resistant to mechanical strain
- Long life durabilitys due to low friction-resistance
- High tensile strength, abrasion- and impact resistance at low temperature
- Tear resistance and high stability
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm².
- G = with green-yellow conductor x = without green-yellow conductor (OZ)
- screened analogue type:

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Application

For permanent application in drag chains for long distances, high and low speed of movements. These cables are installed in dry, moist and wet rooms and in open air with free movement without tensile stress or forced movements. These robust and abrasion resistant special control cables are installed there, where the problems appear for the application in permanent stresses e. q. in energy drag chains, industry robotics, production lines, automatic control systems and permanent movable machinery parts for multi-shift operation. These cables are installed everywhere, where high requirements for the flexibility, abrasion, oxygen and chemical resistance are necessary. For applications which go beyond standard solutions we recommend for our especially developed enquiry sheet for energy guiding systems.

C ← The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part no.	No.cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg/km	Weight approx. kg/km	AWG-No.
24119	2 x 0,5	4,3	9,6	41,0	20
24120	3 G 0,5	4,6	14,4	48,0	20
24121	4 G 0,5	5,0	19,0	62,0	20
24122	5 G 0,5	5,4	24,0	70,0	20
24123	7 G 0,5	8,9	33,6	88,0	20
24124	12 G 0,5	9,7	58,0	131,0	20
24125	18 G 0,5	11,8	86,0	204,0	20
24126	25 G 0,5	13,9	120,0	266,0	20
24127	3 G 0,75	5,2	21,6	51,0	19
24128	4 G 0,75	5,6	29,0	68,0	19
24129	5 G 0,75	6,3	36,0	73,0	19
24130	7 G 0,75	10,3	50,0	92,0	19
24131	12 G 0,75	11,0	86,0	170,0	19
24132	18 G 0,75	13,9	130,0	257,0	19
24133	25 G 0,75	15,9	180,0	280,0	19
24134	36 G 0,75	19,6	260,0	411,0	19
24135	42 G 0,75	21,5	302,0	608,0	19
24136	3 G 1	5,4	29,0	59,0	18
24137	4 G 1	5,9	38,0	71,0	18

Part no.	No.cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg/km	Weight approx. kg/km	AWG-No.
24138	5 G 1	6,7	48,0	84,0	18
24139	7 G 1	11,1	67,0	111,0	18
24140	12 G 1	12,0	115,0	200,0	18
24141	18 G 1	14,8	173,0	286,0	18
24142	25 G 1	17,2	240,0	370,0	18
24143	3 G 1,5	6,4	43,0	81,0	16
24144	4 G 1,5	7,0	58,0	102,0	16
24145	5 G 1,5	7,8	72,0	121,0	16
24146	7 G 1,5	13,0	101,0	164,0	16
24147	12 G 1,5	14,2	173,0	293,0	16
24148	18 G 1,5	17,5	259,0	450,0	16
24149	25 G 1,5	20,1	360,0	631,0	16
24150	4 G 2,5	8,8	86,0	173,0	14
24151	5 G 2,5	9,8	120,0	220,0	14
24152	7 G 2,5	16,1	168,0	290,0	14
24153	12 G 2,5	17,8	288,0	504,0	14
24154	18 G 2,5	21,8	432,0	719,0	14
24155	25 G 2,5	24,4	600,0	940,0	14

网址: www.zenith-industrial.com

Dimensions and specifications may be changed without prior notice. (RCO2)

电话:18149719018