



### CONTACT

Market information  
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TPU-Control cables with low capacity insulation for extremely dynamic application, up to 1000V, PUR jacket, unshielded, oil resistant, halogen free, UL and CSA approved

### STANDARDS

**Product** UL and CSA approval

MOVEPOWER control cables for continuous moving or track-chain application, extremely flexible, oil resistant and halogen free. The excellent mechanical characteristics of the PUR jacket, like tear and abrasion also at low temperature, make these cables suitable for extreme application conditions.

### Applications:

- tracksystem for tool machine
- work centres
- marble machines
- automatic lines for assembly
- handling
- packaging
- everywhere is necessary to combine the best performance with the smallest dimension

## CHARACTERISTICS

### Construction characteristics

Conductor material	Bare copper
Insulation	Polyolefin
Insulation colour	Black w. number + yellow/green
Taping	Non woven tape
Outer sheath	PUR
Sheath colour	Grey RAL 7001
Halogen free	Yes

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U	1000 V
Test voltage	4000 V

### Mechanical characteristics

Bending cycles	10 Mio.
Speed	600 m/min
Maximum acceleration	60 m/s <sup>2</sup>



Halogen free  
Yes



Operating temp.  
-30 ... 80 °C



Storage temperature, range  
-40 ... 80 °C



Oil resistance  
EN 50363-10-2



Flame retardant  
IEC/EN 60332-1-2; FT1; UL 1581 FT1

## Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	6.5 (xD)
Operating temperature, range	-30 ... 80 °C
Storage temperature, range	-40 ... 80 °C
Oil resistance	EN 50363-10-2
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1

## PRODUCTLIST

Reference	Name	Cross section [mm <sup>2</sup> ]	Nb. of cores	Construction type	Outer Diameter [mm]	Approx. weight [kg/km]
10554015	MOVEPOWER 2 x 0,5 mm <sup>2</sup>	0.5	2	2x0,50	5	31
10577024	MOVEPOWER 3 x 0,5 mm <sup>2</sup>	0.5	3	3G0,50	5.3	32
10553970	MOVEPOWER 4 x 0,5 mm <sup>2</sup>	0.5	4	4G0,50	5.7	40
10573533	MOVEPOWER 5 x 0,5 mm <sup>2</sup>	0.5	5	5G0,50	6.1	47
10553986	MOVEPOWER 7 x 0,5 mm <sup>2</sup>	0.5	7	7G0,50	7	66
10563023	MOVEPOWER 12 x 0,5 mm <sup>2</sup>	0.5	12	12G0,50	8.9	100
10555824	MOVEPOWER 18 x 0,5 mm <sup>2</sup>	0.5	18	18G0,50	10.2	144
10555322	MOVEPOWER 25 x 0,5 mm <sup>2</sup>	0.5	25	25G0,50	12.9	218
10555653	MOVEPOWER 2 x 0,75 mm <sup>2</sup>	0.75	2	2x0,75	5.4	38
10577147	MOVEPOWER 3 x 0,75 mm <sup>2</sup>	0.75	3	3G0,75	5.7	41
10555287	MOVEPOWER 4 x 0,75 mm <sup>2</sup>	0.75	4	4G0,75	6.1	51
10575227	MOVEPOWER 5 x 0,75 mm <sup>2</sup>	0.75	5	5G0,75	6.7	61
10555298	MOVEPOWER 7 x 0,75 mm <sup>2</sup>	0.75	7	7G0,75	7.9	90
10555371	MOVEPOWER 12 x 0,75 mm <sup>2</sup>	0.75	12	12G0,75	9.7	133
10556319	MOVEPOWER 18 x 0,75 mm <sup>2</sup>	0.75	18	18G0,75	11.8	207



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tba	MOVEPOWER 20 x 0,75 mm <sup>2</sup>	0.75	20	20G0,75	12.5	230
F107524V100	MOVEPOWER 24 x 0,75 mm <sup>2</sup>	0.75	24	24G0,75	13.6	262
F107525V100	MOVEPOWER 25 x 0,75 mm <sup>2</sup>	0.75	25	25G0,75	14.1	288
F11002V100	MOVEPOWER 2 x 1,0 mm <sup>2</sup>	1	2	2x1	5.8	46
10555693	MOVEPOWER 3 x 1,0 mm <sup>2</sup>	1	3	3G1	6.1	50
10563052	MOVEPOWER 4 x 1,0 mm <sup>2</sup>	1	4	4G1	6.6	63
10555272	MOVEPOWER 5 x 1,0 mm <sup>2</sup>	1	5	5G1	7.2	75
10555185	MOVEPOWER 7 x 1,0 mm <sup>2</sup>	1	7	7G1	8.5	112
10555197	MOVEPOWER 12 x 1,0 mm <sup>2</sup>	1	12	12G1	11.1	179
10555198	MOVEPOWER 14 x 1,0 mm <sup>2</sup>	1	14	14G1	11.6	204
10555209	MOVEPOWER 18 x 1,0 mm <sup>2</sup>	1	18	18G1	12.8	258
F110020V100	MOVEPOWER 20 x 1,0 mm <sup>2</sup>	1	20	20G1	13.5	287
F110024V100	MOVEPOWER 24 x 1,0 mm <sup>2</sup>	1	24	24G1	14.8	328
10555149	MOVEPOWER 25 x 1,0 mm <sup>2</sup>	1	25	25G1	15.3	361
10573723	MOVEPOWER 30 x 1,0 mm <sup>2</sup>	1	30	30G1	16	406
10555166	MOVEPOWER 2 x 1,5 mm <sup>2</sup>	1.5	2	2x1,5	6.4	61
10555241	MOVEPOWER 3 x 1,5 mm <sup>2</sup>	1.5	3	3G1,5	6.8	67
10555262	MOVEPOWER 4 x 1,5 mm <sup>2</sup>	1.5	4	4G1,5	7.3	84
10555215	MOVEPOWER 5 x 1,5 mm <sup>2</sup>	1.5	5	5G1,5	8.2	106
10555230	MOVEPOWER 7 x 1,5 mm <sup>2</sup>	1.5	7	7G1,5	9.5	155



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10555397	MOVEPOWER 12 x 1,5 mm <sup>2</sup>	1.5	12	12G1,5	12.4	244
10555682	MOVEPOWER 18 x 1,5 mm <sup>2</sup>	1.5	18	18G1,5	14.4	370
10555681	MOVEPOWER 2 x 2,5 mm <sup>2</sup>	2.5	2	2x2,5	7.4	87
10555680	MOVEPOWER 3 x 2,5 mm <sup>2</sup>	2.5	3	3G2,5	8	100
10577149	MOVEPOWER 4 x 2,5 mm <sup>2</sup>	2.5	4	4G2,5	8.7	127
10555675	MOVEPOWER 5 x 2,5 mm <sup>2</sup>	2.5	5	5G2,5	9.6	154
10573554	MOVEPOWER 7 x 2,5 mm <sup>2</sup>	2.5	7	7G2,5	11.7	237
10573535	MOVEPOWER 12 x 2,5 mm <sup>2</sup>	2.5	12	12G2,5	14.4	358
	MOVEPOWER 3 x 4,0 mm <sup>2</sup>	4	3	3G4	10.4	164
	MOVEPOWER 4 x 4,0 mm <sup>2</sup>	4	4	4G4	11.4	214
	MOVEPOWER 5 x 4,0 mm <sup>2</sup>	4	5	5G4	12.7	261



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