



CONTACT

Market information
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PUR control/signal cables for extremely dynamic and drag-chain application, TPU-jacket, shielded, oil resistant, flame retardant, halogen free, UL and CSA approved

STANDARDS

Product UL and CSA approval

Cables designed for continuous moving application, high flexible, oil resistance, halogen free

Applications:

- Tracksystems for tool machines
- Wood machines
- Automatic lines for assembly
- Handling
- Packaging
- Other applications with moderate stresses

CHARACTERISTICS

Construction characteristics

Conductor material	Bare copper
Insulation	Polyolefin
Insulation colour	DIN 47100
Taping	Non woven tape
Shielding	≥85% tinned copper braid coverage
Outer sheath	PUR
Sheath colour	Grey RAL 7001
Halogen free	Yes

Electrical characteristics

Rated Voltage U ₀ /U	300 V
Test voltage	1500 V

Mechanical characteristics

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



Halogen free
Yes



Operating temp.
-30 ... 80 °C



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



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



Oil resistance
EN 50363-10-2

Usage characteristics

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

PRODUCTLIST

Reference	Name	Cross section [mm ²]	Nb. of cores	Outer Diameter [mm]	Approx. weight [kg/km]
10554777	MOVETRONIC C PUR 5 x 0,14 mm ²	0.14	5	4.6	28
10579942	MOVETRONIC C PUR 6 x 0,14 mm ²	0.14	6	4.8	32
10554785	MOVETRONIC C PUR 10 x 0,14 mm ²	0.14	10	5.7	45
10554793	MOVETRONIC C PUR 25 x 0,14 mm ²	0.14	25	7.7	90
10576828	MOVETRONIC C PUR 2 x 0,25 mm ²	0.25	2	4.3	26
10554866	MOVETRONIC C PUR 3 x 0,25 mm ²	0.25	3	4.7	28
10554871	MOVETRONIC C PUR 4 x 0,25 mm ²	0.25	4	5	33
10554877	MOVETRONIC C PUR 5 x 0,25 mm ²	0.25	5	5.3	38
10554878	MOVETRONIC C PUR 6 x 0,25 mm ²	0.25	6	5.6	45
	MOVETRONIC C PUR 7 x 0,25 mm ²	0.25	7	5.9	50
10554885	MOVETRONIC C PUR 8 x 0,25 mm ²	0.25	8	6.4	62
10554888	MOVETRONIC C PUR 10 x 0,25 mm ²	0.25	10	7.1	63
	MOVETRONIC C PUR 12 x 0,25 mm ²	0.25	12	7.2	70
10554893	MOVETRONIC C PUR 14 x 0,25 mm ²	0.25	14	7.3	78
	MOVETRONIC C PUR 16 x 0,25 mm ²	0.25	16	7.5	87
10554836	MOVETRONIC C PUR 18 x 0,25 mm ²	0.25	18	8	96
10554841	MOVETRONIC C PUR 25 x 0,25 mm ²	0.25	25	9.5	143
	MOVETRONIC C PUR 2 x 0,34 mm ²	0.34	2	4.7	29
10554853	MOVETRONIC C PUR 3 x 0,34 mm ²	0.34	3	4.9	32
10576844	MOVETRONIC C PUR 4 x 0,34 mm ²	0.34	4	5.2	41
10577143	MOVETRONIC C PUR 5 x 0,34 mm ²	0.34	5	5.5	44
	MOVETRONIC C PUR 6 x 0,34 mm ²	0.34	6	5.9	53
10563118	MOVETRONIC C PUR 7 x 0,34 mm ²	0.34	7	6.3	71
10558500	MOVETRONIC C PUR 8 x 0,34 mm ²	0.34	8	6.7	73
10571359	MOVETRONIC C PUR 10 x 0,34 mm ²	0.34	10	7	74
	MOVETRONIC C PUR 12 x 0,34 mm ²	0.34	12	7.3	91



Halogen free
Yes



Operating temp.
-30 ... 80 °C



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



Flame retardant
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Oil resistance
EN 50363-10-2

Reference	Name	Cross section [mm ²]	Nb. of cores	Outer Diameter [mm]	Approx. weight [kg/km]
10554660	MOVETRONIC C PUR 14 x 0,34 mm ²	0.34	14	7.6	93
	MOVETRONIC C PUR 16 x 0,34 mm ²	0.34	16	7.8	112
	MOVETRONIC C PUR 18 x 0,34 mm ²	0.34	18	8.3	120
10580055	MOVETRONIC C PUR 25 x 0,34 mm ²	0.34	25	10.4	181



Halogen free
Yes



Operating temp.
-30 ... 80 °C



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



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



Oil resistance
EN 50363-10-2