



CONTACT

Market information
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Twisted pair (TP) control cables for data and signal transmission in dynamic application and use in drag chains, PVC jacket, shielded, oil resistant, flame retardant, UL and CSA approved

STANDARDS

Product UL and CSA approval

Cables designed for continuous moving application, high flexible, oil resistance.

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	PVC
Sheath colour	Grey RAL 7001

Electrical characteristics

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

Mechanical characteristics

Bending cycles	5 Mio.
Speed	300 m/min
Maximum acceleration	20 m/s ²

Usage characteristics

Field of application	Dynamic
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Operating temp.
-5 ... 80 °C



Storage temperature, range
-30 ... 80 °C



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



Oil resistance
EN 50363-4-1

Usage characteristics

Operating temperature, range	-5 ... 80 °C
Storage temperature, range	-30 ... 80 °C
Minimum dynamic operating bending radius	6.5 (xD)
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1
Oil resistance	EN 50363-4-1

PRODUCTLIST

Reference	Name	Cross section [mm ²]	Nb. of cores	Construction type	Outer Diameter [mm]	Approx. weight [kg/km]
	MOVETRONIC TP C PVC 2 x 2 x 0.14 mm ²	0.14	4	(2x2x0,14)C	5	35
	MOVETRONIC TP C PVC 3 X 2 X 0.14 mm ²	0.14	6	(3x2x0,14)C	5.5	37
	MOVETRONIC TP C PVC 4 X 2 X 0.14 mm ²	0.14	8	(4x2x0,14)C	5.9	43
10554945	MOVETRONIC TP C PVC 5 X 2 X 0.14 mm ²	0.14	10	(5x2x0,14)C	6.5	50
	MOVETRONIC TP C PVC 6 X 2 X 0.14 mm ²	0.14	12	(6x2x0,14)C	6.9	58
	MOVETRONIC TP C PVC 8 X 2 X 0.14 mm ²	0.14	16	(8x2x0,14)C	7.4	78
10554948	MOVETRONIC TP C PVC 10 X 2 X 0.14 mm ²	0.14	20	(10x2x0,14)C	8.8	87
10554955	MOVETRONIC TP C PVC 2 x 2 x 0.25 mm ²	0.25	4	(2x2x0,25)C	5.7	45
10554897	MOVETRONIC TP C PVC 3 X 2 X 0.25 mm ²	0.25	6	(3x2x0,25)C	6.4	49
10554903	MOVETRONIC TP C PVC 4 X 2 X 0.25 mm ²	0.25	8	(4x2x0,25)C	6.8	58
10554905	MOVETRONIC TP C PVC 5 X 2 X 0.25 mm ²	0.25	10	(5x2x0,25)C	7.3	70
10554907	MOVETRONIC TP C PVC 6 X 2 X 0.25 mm ²	0.25	12	(6x2x0,25)C	7.7	79
10554909	MOVETRONIC TP C PVC 8 X 2 X 0.25 mm ²	0.25	16	(8x2x0,25)C	9.3	122
10554911	MOVETRONIC TP C PVC 10 X 2 X 0.25 mm ²	0.25	20	(10x2x0,25)C	10.5	130
	MOVETRONIC TP C PVC 2 x 2 x 0.34 mm ²	0.34	4	(2x2x0,34)C	6	52



Operating temp.
-5 ... 80 °C



Storage temperature, range
-30 ... 80 °C



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Oil resistance
EN 50363-4-1

Reference	Name	Cross section [mm ²]	Nb. of cores	Construction type	Outer Diameter [mm]	Approx. weight [kg/km]
10554916	MOVETRONIC TP C PVC 3 X 2 X 0.34 mm ²	0.34	6	(3x2x0,34)C	6.8	56
	MOVETRONIC TP C PVC 4 X 2 X 0.34 mm ²	0.34	8	(4x2x0,34)C	7.3	68
	MOVETRONIC TP C PVC 5 X 2 X 0.34 mm ²	0.34	10	(5x2x0,34)C	7.9	80
10560043	MOVETRONIC TP C PVC 6 X 2 X 0.34 mm ²	0.34	12	(6x2x0,34)C	8.5	96
	MOVETRONIC TP C PVC 8 X 2 X 0.34 mm ²	0.34	16	(8x2x0,34)C	9.6	142
	MOVETRONIC TP C PVC 10 X 2 X 0.34 mm ²	0.34	20	(10x2x0,34)C	10.8	152



Operating temp.
-5 ... 80 °C



Storage temperature, range
-30 ... 80 °C



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Oil resistance
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