



### CONTACT

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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 <sub>0</sub> /U	300 V
Test voltage	1500 V

### Mechanical characteristics

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

### 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 <sup>2</sup> ]	Nb. of cores	Construction type	Outer Diameter [mm]	Approx. weight [kg/km]
	MOVETRONIC TP C PVC 2 x 2 x 0.14 mm <sup>2</sup>	0.14	4	(2x2x0,14)C	5	35
	MOVETRONIC TP C PVC 3 X 2 X 0.14 mm <sup>2</sup>	0.14	6	(3x2x0,14)C	5.5	37
	MOVETRONIC TP C PVC 4 X 2 X 0.14 mm <sup>2</sup>	0.14	8	(4x2x0,14)C	5.9	43
10554945	MOVETRONIC TP C PVC 5 X 2 X 0.14 mm <sup>2</sup>	0.14	10	(5x2x0,14)C	6.5	50
	MOVETRONIC TP C PVC 6 X 2 X 0.14 mm <sup>2</sup>	0.14	12	(6x2x0,14)C	6.9	58
	MOVETRONIC TP C PVC 8 X 2 X 0.14 mm <sup>2</sup>	0.14	16	(8x2x0,14)C	7.4	78
10554948	MOVETRONIC TP C PVC 10 X 2 X 0.14 mm <sup>2</sup>	0.14	20	(10x2x0,14)C	8.8	87
10554955	MOVETRONIC TP C PVC 2 x 2 x 0.25 mm <sup>2</sup>	0.25	4	(2x2x0,25)C	5.7	45
10554897	MOVETRONIC TP C PVC 3 X 2 X 0.25 mm <sup>2</sup>	0.25	6	(3x2x0,25)C	6.4	49
10554903	MOVETRONIC TP C PVC 4 X 2 X 0.25 mm <sup>2</sup>	0.25	8	(4x2x0,25)C	6.8	58
10554905	MOVETRONIC TP C PVC 5 X 2 X 0.25 mm <sup>2</sup>	0.25	10	(5x2x0,25)C	7.3	70
10554907	MOVETRONIC TP C PVC 6 X 2 X 0.25 mm <sup>2</sup>	0.25	12	(6x2x0,25)C	7.7	79
10554909	MOVETRONIC TP C PVC 8 X 2 X 0.25 mm <sup>2</sup>	0.25	16	(8x2x0,25)C	9.3	122
10554911	MOVETRONIC TP C PVC 10 X 2 X 0.25 mm <sup>2</sup>	0.25	20	(10x2x0,25)C	10.5	130
	MOVETRONIC TP C PVC 2 x 2 x 0.34 mm <sup>2</sup>	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 <sup>2</sup> ]	Nb. of cores	Construction type	Outer Diameter [mm]	Approx. weight [kg/km]
	MOVETRONIC TP C PVC 3 X 2 X 0.34 mm <sup>2</sup>	0.34	6	(3x2x0,34)C	6.8	56
10554916	MOVETRONIC TP C PVC 4 X 2 X 0.34 mm <sup>2</sup>	0.34	8	(4x2x0,34)C	7.3	68
	MOVETRONIC TP C PVC 5 X 2 X 0.34 mm <sup>2</sup>	0.34	10	(5x2x0,34)C	7.9	80
	MOVETRONIC TP C PVC 6 X 2 X 0.34 mm <sup>2</sup>	0.34	12	(6x2x0,34)C	8.5	96
10560043	MOVETRONIC TP C PVC 8 X 2 X 0.34 mm <sup>2</sup>	0.34	16	(8x2x0,34)C	9.6	142
	MOVETRONIC TP C PVC 10 X 2 X 0.34 mm <sup>2</sup>	0.34	20	(10x2x0,34)C	10.8	152



Operating temp.  
-5 ... 80 °C



Storage temperature, range  
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Oil resistance  
EN 50363-4-1