



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 |
|----------------------|---------|



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



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



Oil resistance
EN 50363-4-1

| Reference | Name | Cross section [mm ²] | Nb. of cores | Construction type | Outer Diameter [mm] | Approx. weight [kg/km] |
|-----------|---|----------------------------------|--------------|-------------------|---------------------|------------------------|
| | MOVETRONIC TP C PVC 3 X 2 X 0.34 mm ² | 0.34 | 6 | (3x2x0,34)C | 6.8 | 56 |
| 10554916 | 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 |
| | MOVETRONIC TP C PVC 6 X 2 X 0.34 mm ² | 0.34 | 12 | (6x2x0,34)C | 8.5 | 96 |
| 10560043 | 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



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



Oil resistance
EN 50363-4-1