



### CONTACT

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UL-listed control cables for fixed installation outside and inside cable tray and wind turbines, PVC jacket, unshielded, oil resistant, flame retardant, TC-ER and MTW approved, UL Listed

### STANDARDS

**Product** UL 1277; UL 2277; UL and CSA approval

Cables designed for static application, .

#### Applications:

- Machine tools
- Wood machines
- Marble working machines
- Robotics
- Industrial sector

#### Approvals:

UL MTW UL1063

UL TC-ER 90°C 600V UL1277

UL WTTC 90°C 1000V UL2277

UL DP-1

UL AWM 600V UL758

C(UL) CIC/TC

### CHARACTERISTICS

#### Construction characteristics

|                    |                                |
|--------------------|--------------------------------|
| Conductor material | Annealed copper                |
| Insulation         | PVC/Nylon                      |
| Insulation colour  | Black w. number + yellow/green |
| Outer sheath       | Special PVC compound           |
| Sheath colour      | Black                          |

#### Electrical characteristics

|                    |        |
|--------------------|--------|
| Rated Voltage Uo/U | 600 V  |
| Test voltage       | 2000 V |



Operating temp.  
-5 ... 90 °C



Flame retardant  
UL 1581 SEC. 1160 AND CSA FT4



Oil resistance  
Yes

## Usage characteristics

|                                     |                               |
|-------------------------------------|-------------------------------|
| Field of application                | Fixed installations           |
| Operating temperature, range        | -5 ... 90 °C                  |
| Minimum bending radius, static (XD) | 15                            |
| Flame retardant                     | UL 1581 SEC. 1160 AND CSA FT4 |
| Oil resistance                      | Yes                           |

## PRODUCTLIST

| Reference | Name                          | Cross section [mm²] | Nb. of cores | Construction type | Outer Diameter [mm] | Approx. weight [kg/km] |
|-----------|-------------------------------|---------------------|--------------|-------------------|---------------------|------------------------|
| 10554630  | TRAY CABLE TC-ER 2 x 1.0 mm²  | 1                   | 2            | 2x1               | 6.9                 | 76                     |
| 10554633  | TRAY CABLE TC-ER 3 x 1.0 mm²  | 1                   | 3            | 3G1               | 7.3                 | 89                     |
| 10554638  | TRAY CABLE TC-ER 4 x 1.0 mm²  | 1                   | 4            | 4G1               | 7.9                 | 107                    |
| 10554640  | TRAY CABLE TC-ER 5 x 1.0 mm²  | 1                   | 5            | 5G1               | 8.5                 | 126                    |
| 10554642  | TRAY CABLE TC-ER 7 x 1.0 mm²  | 1                   | 7            | 7G1               | 9.2                 | 155                    |
| 10554646  | TRAY CABLE TC-ER 12 x 1.0 mm² | 1                   | 12           | 12G1              | 12                  | 244                    |
| 10554587  | TRAY CABLE TC-ER 18 x 1.0 mm² | 1                   | 18           | 18G1              | 14.6                | 372                    |
| 10554590  | TRAY CABLE TC-ER 25 x 1.0 mm² | 1                   | 25           | 25G1              | 17.4                | 496                    |
| 10554593  | TRAY CABLE TC-ER 2 x 1.5 mm²  | 1.5                 | 2            | 2x1,5             | 7.5                 | 93.5                   |
| 10554598  | TRAY CABLE TC-ER 3 x 1.5 mm²  | 1.5                 | 3            | 3G1,5             | 7.9                 | 110                    |
| 10554603  | TRAY CABLE TC-ER 4 x 1.5 mm²  | 1.5                 | 4            | 4G1,5             | 8.6                 | 133                    |
| 10554606  | TRAY CABLE TC-ER 5 x 1.5 mm²  | 1.5                 | 5            | 5G1,5             | 9.3                 | 160                    |
| 10554609  | TRAY CABLE TC-ER 7 x 1.5 mm²  | 1.5                 | 7            | 7G1,5             | 10.2                | 199                    |
| 10554612  | TRAY CABLE TC-ER 12 x 1.5 mm² | 1.5                 | 12           | 12G1,5            | 14                  | 341                    |
| 10554615  | TRAY CABLE TC-ER 18 x 1.5 mm² | 1.5                 | 18           | 18G1,5            | 16.2                | 486                    |



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Yes

| Reference | Name                                      | Cross section [mm <sup>2</sup> ] | Nb. of cores | Construction type | Outer Diameter [mm] | Approx. weight [kg/km] |
|-----------|---|----------------------------------|--------------|-------------------|---------------------|------------------------|
| 10554429  | TRAY CABLE TC-ER 25 x 1.5 mm <sup>2</sup> | 1.5                              | 25           | 25G1,5            | 19                  | 644                    |
| 10554433  | TRAY CABLE TC-ER 3 x 2.5 mm <sup>2</sup>  | 2.5                              | 3            | 3G2,5             | 8.8                 | 148                    |
| 10554436  | TRAY CABLE TC-ER 4 x 2.5 mm <sup>2</sup>  | 2.5                              | 4            | 4G2,5             | 9.5                 | 182                    |
| 10554440  | TRAY CABLE TC-ER 5 x 2.5 mm <sup>2</sup>  | 2.5                              | 5            | 5G2,5             | 10.5                | 219                    |
| 10554444  | TRAY CABLE TC-ER 7 x 2.5 mm <sup>2</sup>  | 2.5                              | 7            | 7G2,5             | 11.4                | 280                    |
| 10554447  | TRAY CABLE TC-ER 12 x 2.5 mm <sup>2</sup> | 2.5                              | 12           | 12G2,5            | 15.6                | 470                    |
|           | TRAY CABLE TC-ER 18 x 2.5 mm <sup>2</sup> | 2.5                              | 18           | 18G2,5            | 18.3                | 682                    |
| 10554449  | TRAY CABLE TC-ER 18 x 2.5 mm <sup>2</sup> | 2.5                              | 18           | 18G2,5            | 18.3                | 682                    |
| 10554451  | TRAY CABLE TC-ER 25 x 2.5 mm <sup>2</sup> | 2.5                              | 25           | 25G2,5            | 22.7                | 992                    |
| 10554453  | TRAY CABLE TC-ER 3 x 4.0 mm <sup>2</sup>  | 4                                | 3            | 3G4               | 10.1                | 216                    |
| 10554456  | TRAY CABLE TC-ER 4 x 4.0 mm <sup>2</sup>  | 4                                | 4            | 4G4               | 11                  | 266                    |
| 10554459  | TRAY CABLE TC-ER 5 x 4.0 mm <sup>2</sup>  | 4                                | 5            | 5G4               | 12.2                | 326                    |
| 10554399  | TRAY CABLE TC-ER 7 x 4.0 mm <sup>2</sup>  | 4                                | 7            | 7G4               | 13.2                | 415                    |
| 10554403  | TRAY CABLE TC-ER 3 x 6.0 mm <sup>2</sup>  | 6                                | 3            | 3G6               | 12.2                | 329                    |
| 10554405  | TRAY CABLE TC-ER 4 x 6.0 mm <sup>2</sup>  | 6                                | 4            | 4G6               | 14                  | 408                    |
| 10554407  | TRAY CABLE TC-ER 5 x 6.0 mm <sup>2</sup>  | 6                                | 5            | 5G6               | 15.4                | 497                    |
| 10554409  | TRAY CABLE TC-ER 7 x 6.0 mm <sup>2</sup>  | 6                                | 7            | 7G6               | 16.9                | 625                    |
| 10580265  | TRAY CABLE TC-ER 3 x 10.0 mm <sup>2</sup> | 10                               | 3            | 3G10              | 17.2                | 568                    |
| 10554520  | TRAY CABLE TC-ER 4 x 10.0 mm <sup>2</sup> | 10                               | 4            | 4G10              | 18.8                | 705                    |
|           | TRAY CABLE TC-ER 5 x 10.0 mm <sup>2</sup> | 10                               | 5            | 5G10              | 21.5                | 880                    |



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|-----------|-------------------------------|---------------------|--------------|-------------------|---------------------|------------------------|
| 10554462  | TRAY CABLE TC-ER 3 x 16.0 mm² | 16                  | 3            | 3G16              | 19.7                | 796                    |
| 10554464  | TRAY CABLE TC-ER 4 x 16.0 mm² | 16                  | 4            | 4G16              | 22.3                | 1056                   |
| 10554468  | TRAY CABLE TC-ER 4 x 25.0 mm² | 25                  | 4            | 4G25              | 27.2                | 1648                   |
| 10554470  | TRAY CABLE TC-ER 4 x 35.0 mm² | 35                  | 4            | 4G35              | 31.4                | 2260                   |
| 10554471  | TRAY CABLE TC-ER 4 x 50.0 mm² | 50                  | 4            | 4G50              | 35.6                | 4120                   |



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