

Treoflex CY-JZ Screened control cable



Technical Data

- **Conductor Material**
Copper, Bare
- **Conductor Class**
Class 5 acc. to DIN VDE 0295, or IEC 60228
- **Core insulation**
PVC
- **Core identification**
DIN VDE 0293: black cores, white numbers
- **Stranding**
Cores twisted in layers
- **Outer sheath**
PVC
- **Sheath colour**
Transparent
- **Rated voltage [V]**
300/500
- **Testing Voltage**
4000
- **Insulation resistance**
> 20 MΩ x km
- **Current carrying capacity**
DIN VDE (see technical data)
- **min. bending radius fixed [xd]**
6 x d
- **min. bending radius moved [xd]**
15 x d
- **Working temp fixed min/max [C]**
-40°C up to +80°C
- **Working temp moved min/max [C]**
-15°C up to +70°C
- **Temp at conductor max.**
+70°C in operation, + 150°C in case of short circuit
- **Burning behaviour**
IEC 60332-1: flame-retardant and self-extinguishing

Design:

- fine strands of bare copper conductor
- stranding acc. to VDE 0295, class 5
- PVC core insulation black with continuous white figure imprint
- earth conductor green/yellow
- PVC inner sheath grey
- overall screen made of tinned copper wire braid coverage approx. 85%
- PVC outer sheath transparent

Note

- G = with green-yellow earth core;
- X = without green-yellow earth core

Application:

Used as connecting cable, as measuring, power and control cable in machine tool manufacturing, plant engineering and on assembly lines and production lines to meet stringent safety requirements. Suitable for fixed installation or flexible applications with unrestricted mobility without forced movement control and without exposure to tensile load. Installation in dry and moist rooms; outdoor installation not permitted. These cables with copper screening are ideally suitable for interference-free data and signal transmission in measuring and control technology. Good chemical resistance, largely oil resistant.

| Part Number | No. of cores x cross-sec. mm ² | Outer Ø ca. mm | Cop.weight kg/km | Weight kg/km |
|--------------|---|----------------|------------------|--------------|
| TA30.0005.02 | 2 x 0.5 | 6.9 | 41.0 | 67.0 |
| TA30.0005.03 | 3 G 0.5 | 7.2 | 45.0 | 83.0 |
| TA30.0005.04 | 4 G 0.5 | 7.8 | 54.0 | 94.0 |
| TA30.0005.05 | 5 G 0.5 | 8.3 | 66.0 | 108.0 |
| TA30.0005.07 | 7 G 0.5 | 9.5 | 79.0 | 136.0 |
| TA30.0005.12 | 12 G 0.5 | 11.3 | 137.0 | 195.0 |
| TA30.0005.18 | 18 G 0.5 | 13.1 | 156.0 | 277.0 |
| TA30.0005.25 | 25 G 0.5 | 15.7 | 250.0 | 407.0 |
| TA30.0005.40 | 40 G 0.5 | 18.9 | 345.0 | 654.0 |
| TA30.0005.50 | 50 G 0.5 | 20.9 | 407.0 | 740.0 |
| TA30.0007.02 | 2 x 0.75 | 7.6 | 46.0 | 87.0 |
| TA30.0007.03 | 3 G 0.75 | 7.8 | 57.0 | 98.0 |
| TA30.0007.04 | 4 G 0.75 | 8.3 | 63.0 | 113.0 |
| TA30.0007.05 | 5 G 0.75 | 9.1 | 76.0 | 130.0 |
| TA30.0007.07 | 7 G 0.75 | 10.4 | 100.0 | 184.0 |
| TA30.0007.12 | 12 G 0.75 | 12.5 | 175.0 | 292.0 |
| TA30.0007.18 | 18 G 0.75 | 14.3 | 240.0 | 358.0 |
| TA30.0007.25 | 25 G 0.75 | 17.4 | 306.0 | 508.0 |
| TA30.0007.41 | 41 G 0.75 | 21.2 | 403.0 | 971.0 |
| TA30.0007.50 | 50 G 0.75 | 23.2 | 470.0 | 1100.0 |
| TA30.0010.02 | 2 x 1 | 7.9 | 54.0 | 97.0 |
| TA30.0010.03 | 3 G 1 | 8.2 | 64.0 | 103.0 |
| TA30.0010.04 | 4 G 1 | 8.9 | 76.0 | 146.0 |
| TA30.0010.05 | 5 G 1 | 9.5 | 89.0 | 169.0 |
| TA30.0010.07 | 7 G 1 | 11.0 | 114.0 | 219.0 |
| TA30.0010.12 | 12 G 1 | 13.1 | 186.0 | 350.0 |
| TA30.0010.18 | 18 G 1 | 15.4 | 284.0 | 514.0 |
| TA30.0010.25 | 25 G 1 | 18.3 | 387.0 | 689.0 |
| TA30.0010.34 | 34 G 1 | 20.3 | 500.0 | 910.0 |
| TA30.0010.50 | 50 G 1 | 24.0 | 681.0 | 1315.0 |

| Part Number | No. of cores x cross-sec. mm ² | Outer Ø ca. mm | Cop.weight kg/km | Weight kg/km |
|--------------|---|----------------|------------------|--------------|
| TA30.0015.02 | 2 x 1.5 | 8.4 | 64.0 | 130.0 |
| TA30.0015.03 | 3 G 1.5 | 9.0 | 82.0 | 152.0 |
| TA30.0015.04 | 4 G 1.5 | 9.6 | 99.0 | 168.0 |
| TA30.0015.05 | 5 G 1.5 | 10.5 | 123.0 | 202.0 |
| TA30.0015.07 | 7 G 1.5 | 12.1 | 148.0 | 304.0 |
| TA30.0015.12 | 12 G 1.5 | 14.9 | 274.0 | 434.0 |
| TA30.0015.18 | 18 G 1.5 | 17.1 | 386.0 | 640.0 |
| TA30.0015.25 | 25 G 1.5 | 20.7 | 531.0 | 805.0 |
| TA30.0015.40 | 40 G 1.5 | 24.4 | 759.0 | 1350.0 |
| TA30.0015.50 | 50 G 1.5 | 26.8 | 997.0 | 1675.0 |
| TA30.0025.02 | 2 x 2.5 | 10.0 | 110.0 | 180.0 |
| TA30.0025.03 | 3 G 2.5 | 10.7 | 148.0 | 216.0 |
| TA30.0025.04 | 4 G 2.5 | 11.4 | 169.0 | 267.0 |
| TA30.0025.05 | 5 G 2.5 | 12.5 | 220.0 | 347.0 |
| TA30.0025.07 | 7 G 2.5 | 15.0 | 284.0 | 407.0 |
| TA30.0025.12 | 12 G 2.5 | 18.0 | 470.0 | 722.0 |
| TA30.0040.03 | 3 G 4 | 12.3 | 178.0 | 340.0 |
| TA30.0040.04 | 4 G 4 | 13.4 | 234.0 | 410.0 |
| TA30.0040.05 | 5 G 4 | 14.8 | 284.0 | 502.0 |
| TA30.0040.07 | 7 G 4 | 16.2 | 321.0 | 638.0 |
| TA30.0060.03 | 3 G 6 | 14.2 | 245.0 | 450.0 |
| TA30.0060.04 | 4 G 6 | 15.6 | 316.0 | 559.0 |
| TA30.0060.05 | 5 G 6 | 17.0 | 442.0 | 702.0 |
| TA30.0060.07 | 7 G 6 | 18.7 | 530.0 | 907.0 |
| TA30.0100.03 | 3 G 10 | 17.8 | 367.0 | 750.0 |
| TA30.0100.04 | 4 G 10 | 19.7 | 549.0 | 1020.0 |
| TA30.0100.05 | 5 G 10 | 21.6 | 604.0 | 1115.0 |
| TA30.0100.07 | 7 G 10 | 24.0 | 820.0 | 1500.0 |
| TA30.0160.04 | 4 G 16 | 22.6 | 807.0 | 1380.0 |
| TA30.0250.04 | 4 G 25 | 28.9 | 1169.0 | 1890.0 |
| TA30.0350.04 | 4 G 35 | 32.2 | 1680.0 | 2390.0 |