

Tray Cables

TR 600 Auto CY black Type TC, MTW and WTTC

UV and oil resistant, flexible Tray Cable and Machine-Tool Cable with overall copper screen for cable tracks

WTTC
approval

NFPA 79
for industrial machinery

high-flex



Marking example:

SAB BRÜCKSKES · D-VIERSEN · TR 600 Auto CY black 16 AWG/12c 32261612 TFFN (UL) Type TC-ER 90°C 600V, Oil Resistant I, Sunlight Resistant, Direct Burial, FT4 (UL) WTTC 90°C 1000V (UL) MTW 16 AWG/12c 600V flexing AWM Style 21179 600V c(UL) Type CIC SHIELDED 90°C dry 600V FT1 FT2 FT4 CE

Construction:

| | |
|------------------|---|
| Conductor: | bare copper strands with reference to IEC 60228, VDE 0295 class 6 |
| Insulation: | special formulated PVC/Nylon |
| Colour code: | black cores with consecutive white numbers, green-yellow earth wire from 3 cores. Also available with blue, red or other colour cores |
| Stranding: | in layers |
| Wrapping: | non-woven tape |
| Inner sheath: | special formulated PVC |
| Screen: | tinned copper braiding |
| Sheath material: | special sunlight and oil resistant PVC |
| Sheath colour: | black (RAL 9005) |

Outstanding features:

- » Flexible cable for cable tray use
- » Oil resistance
- » Sunlight resistance
- » NFPA 79 for industrial machinery
- » WTTC approval
- » WTTC: UL Subject 2277
- » TC: UL Standard 1277
- » UL recognized, (UL)/c(UL) listed

Technical data:

| | |
|--------------------------------|--|
| Voltage | 600 V |
| UL-AWM / (UL) / c(UL): | 1000 V |
| (UL) WTTC: | |
| Testing voltage: | AWG 18-10 = 6000 V AWG 8-2 = 7500 V |
| Min. bending radius: | |
| fixed laying: | 5 x d |
| flexible application: | 10 x d |
| continuously flexible: | 12 x d |
| Radiation resistance: | 8 x 10 ⁷ cJ/kg |
| Temperature: | UL-AWM: up to +105 °C (UL) / c(UL): up to +90 °C -25 °C |
| fixed laying: | |
| Burning characteristics: | (UL) FT4 + c(UL) FT1, FT2, FT4 |
| Oil resistance I: | yes |
| Sunlight resistance: | yes |
| Exposed Runs: | yes |
| Direct Burial: | yes |
| Machinery Area: | yes |
| Absence of harmful substances: | acc. to RoHS directive of the European Union, see chapter N „Technical data“ |

| item no. | no. of cores x cross section n x AWG | largest single wire ø mm | outer-ø ± 10% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|--------------------------------|------------------------|---------------------------|----------------------------|
| 32261803 | 3 x 18 | 0,16 | 8,2 | 52,6 | 116 |
| 32261804 | 4 x 18 | 0,16 | 9,8 | 64,7 | 135 |
| 32261805 | 5 x 18 | 0,16 | 10,5 | 77,2 | 159 |
| 32261807 | 7 x 18 | 0,16 | 12,2 | 121,5 | 224 |
| 32261809 | 9 x 18 | 0,16 | 14,3 | 146,3 | 296 |
| 32261812 | 12 x 18 | 0,16 | 15,1 | 201,1 | 338 |
| 32261816 | 16 x 18 | 0,16 | 17,3 | 263,5 | 451 |
| 32261818 | 18 x 18 | 0,16 | 18,0 | 283,6 | 492 |
| 32261819 | 19 x 18 | 0,16 | 18,7 | 294,1 | 515 |
| 32261825 | 25 x 18 | 0,16 | 20,8 | 366,2 | 616 |
| 32261603 | 3 x 16 | 0,16 | 9,8 | 69,5 | 139 |
| 32261604 | 4 x 16 | 0,16 | 10,5 | 86,8 | 164 |
| 32261605 | 5 x 16 | 0,16 | 11,5 | 119,9 | 202 |
| 32261607 | 7 x 16 | 0,16 | 13,9 | 160,5 | 294 |
| 32261608 | 8 x 16 | 0,16 | 14,9 | 200,9 | 347 |

| item no. | no. of cores x cross section n x AWG | largest single wire ø mm | outer-ø ± 10% mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--|--------------------------------|------------------------|---------------------------|----------------------------|
| 32261609 | 9 x 16 | 0,16 | 15,7 | 226,8 | 359 |
| 32261612 | 12 x 16 | 0,16 | 17,2 | 282,6 | 456 |
| 32261616 | 16 x 16 | 0,16 | 18,7 | 342,1 | 548 |
| 32261618 | 18 x 16 | 0,16 | 19,5 | 383,3 | 602 |
| 32261619 | 19 x 16 | 0,16 | 20,3 | 399,0 | 643 |
| 32261625 | 25 x 16 | 0,16 | 23,7 | 501,1 | 829 |
| 32261403 | 3 x 14 | 0,16 | 11,2 | 119,7 | 197 |
| 32261404 | 4 x 14 | 0,16 | 12,1 | 150,2 | 237 |
| 32261405 | 5 x 14 | 0,16 | 13,2 | 179,7 | 286 |
| 32261407 | 7 x 14 | 0,16 | 16,9 | 266,5 | 448 |
| 32261409 | 9 x 14 | 0,16 | 18,8 | 327,9 | 515 |
| 32261412 | 12 x 14 | 0,16 | 19,7 | 412,5 | 619 |
| 32261418 | 18 x 14 | 0,16 | 23,6 | 572,9 | 901 |
| 32261425 | 25 x 14 | 0,16 | 28,1 | 775,3 | 1202 |
| 32261207 | 7 x 12 | 0,16 | 18,6 | 380,1 | 567 |

Other dimensions and colours are possible on request.