

# 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 BRÖCKSKES · 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:

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

### Technical data:

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

### 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
- » PFAS free

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.