

# Tray Cables

## TR 600 CY blue Type TC, MTW and WTTC

UV and oil resistant, flexible Tray Cable and Machine-Tool Cable with blue cores and overall copper screen

WTTC  
approval

NFPA 79  
for industrial machinery



Marking example:

SAB BRÖCKSKES · D-VIERSEN · TR 600 CY blue 16 AWG/12c 32211612 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 5 + UL standard 758 table 5.1 + UL 1581 table 20.1
Insulation:	special formulated PVC/Nylon
Colour code:	blue cores with numbers, green-yellow earth wire from 3 cores
Stranding:	in layers
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
Radiation resistance:	8 x 10 <sup>7</sup> cJ/kg
Temperature:	UL-AWM: up to +105 °C -25 °C (UL) / c(UL): up to +90 °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“

### Possible on request:

also available with black, red or other colour cores

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
32211803	3 x 18	0,21	9,1	52,6	118
32211804	4 x 18	0,21	9,7	64,7	137
32211805	5 x 18	0,21	10,4	77,1	159
32211807	7 x 18	0,21	11,4	115,0	203
32211809	9 x 18	0,21	14,2	146,2	280
32211812	12 x 18	0,21	15,0	201,0	337
32211816	16 x 18	0,21	17,2	263,4	444
32211818	18 x 18	0,21	17,9	283,5	483
32211819	19 x 18	0,21	17,9	293,1	492
32211825	25 x 18	0,21	20,7	366,1	611
32211827	27 x 18	0,21	20,7	385,3	633
32211837	37 x 18	0,21	23,8	496,5	853
32211850	50 x 18	0,21	27,9	654,8	1128
32211603	3 x 16	0,26	9,7	69,5	141
32211604	4 x 16	0,26	10,4	86,7	165
32211605	5 x 16	0,26	11,4	119,8	205
32211607	7 x 16	0,26	12,3	155,2	249
32211608	8 x 16	0,26	14,8	200,8	330
32211609	9 x 16	0,26	15,6	226,7	368
32211612	12 x 16	0,26	17,1	282,5	450
32211616	16 x 16	0,26	18,6	342,0	541
32211618	18 x 16	0,26	19,4	383,2	595
32211619	19 x 16	0,26	19,4	397,6	608
32211625	25 x 16	0,26	23,6	500,9	812
32211627	27 x 16	0,26	23,6	529,7	848
32211637	37 x 16	0,26	26,6	704,3	1113
32211641	41 x 16	0,26	28,3	766,3	1214

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
32211650	50 x 16	0,26	30,4	918,1	1408
32211661	61 x 16	0,26	32,1	1038,0	1637
32211403	3 x 14	0,26	10,6	101,2	180
32211404	4 x 14	0,26	11,6	149,9	229
32211405	5 x 14	0,26	12,5	174,5	266
32211407	7 x 14	0,26	14,2	227,8	348
32211409	9 x 14	0,26	18,0	326,8	504
32211412	12 x 14	0,26	18,7	399,7	579
32211418	18 x 14	0,26	22,5	570,8	842
32211425	25 x 14	0,26	26,8	772,0	1131
32211203	3 x 12	0,31	12,1	169,4	256
32211204	4 x 12	0,31	13,0	213,2	306
32211205	5 x 12	0,31	15,0	277,8	400
32211207	7 x 12	0,31	17,0	367,4	524
32211003	3 x 10	0,31	14,9	258,5	390
32211004	4 x 10	0,31	16,8	328,8	495
32211005	5 x 10	0,31	18,2	399,1	585
32211007	7 x 10	0,31	19,6	527,5	730
32210804	4 x 8	0,41	20,7	464,0	741
32210805	5 x 8	0,41	23,6	563,3	933
32210604	4 x 6	0,41	26,1	711,7	1156
32210605	5 x 6	0,41	28,4	852,9	1365
32210404	4 x 4	0,41	30,7	1044,0	1653
32210405	5 x 4	0,41	33,6	1277,3	1974
32210204	4 x 2	0,41	34,8	1532,4	2261
32210205	5 x 2	0,41	38,2	1879,0	2713

Other dimensions and colours are possible on request.