



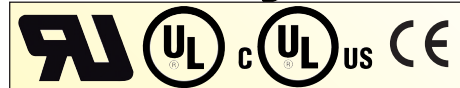
# TRAY CABLES



## TR 600 Auto black

Type TC, MTW and WTTTC

UV and oil resistant 90°C flexible tray cable and machine-tool cable which could be used in cable track



600V c(UL) Type CIC 90°C dry 600V FT1 FT2 FT4 CE

Marking for TR 600 Auto black 32121625:

SAB BRÖCKSKES · D-VIERSEN · TR 600 Auto black 16 AWG/25c 32121625 TFFN (UL) Type TC-ER 90°C 600V, Oil Resistant I, Sunlight Resistant, Direct Burial, FT4 (UL) WTTTC 90°C 1000V (UL) MTW 16 AWG/25c 600V AWM Style 21179 600V c(UL) Type CIC 90°C dry 600V FT1 FT2 FT4 CE

TR 600 black is a multi-conductor, 600 V, 90°C, UL approved, UV and oil resistant flexible tray cable. Also machine-tool cable for use as specified in the National Electrical Code (NFPA 70) and in the National Fire Protection Association Electrical Standard for Industrial Machinery (NFPA 79). This cable can be used without conduit (exposed runs). The reduced outer diameter permits easy handling and installation in confined areas. Our specially designed PVC jacket passes the stringent requirements of the VDE test 0281 part 1 and HD 21.1 oil test providing the best oil resistance available for a PVC jacket. TR 600 black tray cable is designed for use in all electrical equipment in dry, damp and wet conditions. Recommended applications are machine tools, control systems, assembly lines, CNC machining centers, grinding machines, bottling equipment, data processing equipment and connections between control panels and machines. TR 600 black is permitted to be used in hazardous (classified) locations class I, Division 2 per NEC Article 501.4 (B), UL Type TC is in acc. to UL standard 1277 and NEC Article 336 (392, 501). Wind turbine power and control cable is intended to be installed in cable trays or raceways within a wind turbine generator. MTW listed cables can be used in NFPA 79 Machine areas.

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228 class 6
<b>Insulation:</b>	special formulated PVC/Nylon
<b>Color code:</b>	black conductors with numbers; white-blue ground wire and green-yellow earth wire from 3 conductors
<b>Stranding:</b>	in layers
<b>Jacket material:</b>	special sunlight and oil resistant PVC
<b>Jacket color:</b>	black

### Outstanding features:

- ▶ Flexible cable for cable tray use even where sunlight resistance and open wiring is required
- ▶ NFPA 79 for Industrial Machinery
- ▶ New improved with WTTTC
- ▶ WTTTC: UL Subject 2277
- ▶ TC: UL Standard 1277

### Technical data:

<b>Voltage:</b>	UL-AWM / (UL) / c(UL): 600 V (UL) WTTTC: 1000 V	
<b>Testing voltage:</b>	4000 V	
<b>Min. bending radius</b> <i>fixed installation:</i>	< 12 mm = 3 x O.D. > 12 mm = 4 x O.D.	
<i>free movement:</i>	< 12 mm = 5 x O.D. > 12 mm = 6 x O.D.	
<i>continuous flexing:</i>	12 x O.D.	
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg	
<b>Temperature:</b>	UL-AWM: up to +105°C -25°C	(UL) / c(UL): up to +90°C
<i>static:</i>		
<b>Burning characteristics:</b>	(UL) FT4 and 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-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25	

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>▶ 18 AWG</b>				
32121803	3	0.303	7.7	56
32121804	4	0.327	8.3	67
32121805	5	0.354	9.0	84
32121807	7	0.413	10.5	111
32121809	9	0.469	11.9	141
32121812	12	0.492	12.5	156
32121816	16	0.575	14.6	212
32121818	18	0.602	15.3	235
32121819	19	0.630	16.0	253
32121825	25	0.713	18.1	309
<b>▶ 16 AWG</b>				
32121603	3	0.327	8.3	71
32121604	4	0.354	9.0	87
32121605	5	0.386	9.8	101
32121607	7	0.453	11.5	142
32121608	8	0.484	12.3	163
32121609	9	0.516	13.1	181
32121612	12	0.571	14.5	218
32121616	16	0.630	16.0	276
32121618	18	0.661	16.8	304
32121619	19	0.693	17.6	329
32121625	25	0.783	19.9	406

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>▶ 14 AWG</b>				
32121403	3	0.390	9.9	103
32121404	4	0.421	10.7	124
32121405	5	0.461	11.7	155
32121407	7	0.571	14.5	224
32121409	9	0.650	16.5	290
32121412	12	0.685	17.4	322
32121418	18	0.799	20.3	464
32121425	25	0.996	25.3	649
<b>▶ 12 AWG</b>				
32121203	3	0.425	10.8	140
32121204	4	0.465	11.8	173
32121205	5	0.539	13.7	220
32121207	7	0.630	16.0	288

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>▶ 10 AWG</b>				
32121003	3	0.524	13.3	199
32121004	4	0.571	14.5	246
32121005	5	0.626	15.9	302
32121007	7	0.736	18.7	392
<b>▶ 8 AWG</b>				
32120804	4	0.736	18.7	429
32120805	5	0.811	20.6	530
<b>▶ 6 AWG</b>				
32120604	4	0.898	22.8	616
32120605	5	0.988	25.1	737
<b>▶ 4 AWG</b>				
32120404	4	1.098	27.9	972
32120405	5	1.217	30.9	1116
<b>▶ 2 AWG</b>				
32120204	4	1.268	32.2	1308
32120205	5	1.406	35.7	1592

Other dimensions and colors are possible on request.

E-mail: [info@sabcable.com](mailto:info@sabcable.com)



Web site: [www.sabcable.com](http://www.sabcable.com)