

TRAY CABLES



**High-flex
NFPA 79 for
Industrial Machinery**

TR 600 Auto CY black

Type TC,
MTW and
WTTC

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



Type CIC SHIELDED 90°C dry 600V FT1 FT2 FT4 CE

Marking for TR 600 Auto CY black 32261612: 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

TR 600 Auto CY is a multi-conductor, 600 V, 90°C, UL recognized, 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. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. TR 600 Auto CY 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 Auto CY 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:

Conductor:	bare copper strands acc. to IEC 60228 class 6
Insulation:	special formulated PVC/Nylon
Color code:	black conductors with consecutive white numbers; green-yellow earth wire from 3 conductors. Also available with blue, red or other color conductors
Stranding:	in layers
Wrapping:	non-woven tape
Inner jacket:	special formulated PVC, color black
Screen:	tinned copper braiding
Jacket material:	special sunlight and oil resistant PVC
Jacket color:	black

Technical data:

Voltage:	UL-AWM / (UL) / c(UL): 600 V (UL) WTTC: 1000 V
Testing voltage:	4000 V
Min. bending radius	
<i>fixed installation:</i>	5 x O.D.
<i>free movement:</i>	10 x O.D.
<i>continuous flexing:</i>	12 x O.D.
Radiation resistance:	8 x 10 ⁷ cJ/kg
Temperature:	UL-AWM: (UL) / c(UL): up to +105°C up to +90°C <i>static:</i> -25°C
Burning characteristics:	(UL) FT4 and 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 page N/25

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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 WTTC
- ▶ WTTC: UL Subject 2277
- ▶ TC: UL Standard 1277
- ▶ (UL)/(cUL) listed

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 18 AWG				
32261803	3	0.323	8.2	78
32261804	4	0.386	9.8	91
32261805	5	0.413	10.5	107
32261807	7	0.480	12.2	151
32261809	9	0.563	14.3	199
32261812	12	0.594	15.1	227
32261816	16	0.681	17.3	303
32261818	18	0.709	18.0	331
32261819	19	0.736	18.7	346
32261825	25	0.819	20.8	414
▶ 16 AWG				
32261603	3	0.386	9.8	93
32261604	4	0.413	10.5	110
32261605	5	0.453	11.5	136
32261607	7	0.547	13.9	198
32261608	8	0.587	14.9	233
32261609	9	0.618	15.7	241
32261612	12	0.677	17.2	306
32261616	16	0.736	18.7	368

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 16 AWG				
32261618	18	0.768	19.5	405
32261619	19	0.799	20.2	432
32261625	25	0.933	23.7	557
▶ 14 AWG				
32261403	3	0.441	11.2	132
32261404	4	0.476	12.1	159
32261405	5	0.520	13.2	192
32261407	7	0.665	16.9	301
32261409	9	0.740	18.8	346
32261412	12	0.776	19.7	416
32261418	18	0.929	23.6	609
32261425	25	1.106	28.1	808
▶ 12 AWG				
32261203	3	0.492	12.5	182
32261204	4	0.531	13.5	216
32261205	5	0.614	15.6	286
32261207	7	0.736	18.7	384

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 10 AWG				
32261003	3	0.587	14.9	260
32261004	4	0.677	17.2	329
32261005	5	0.732	18.6	391
32261007	7	0.894	22.7	536
▶ 8 AWG				
32260804	4	0.886	22.5	581
32260805	5	0.961	24.4	702
▶ 6 AWG				
32260604	4	1.031	26.2	784
32260605	5	1.122	28.5	918
▶ 4 AWG				
32260404	4	1.232	31.3	1125
32260405	5	1.350	34.3	1333
▶ 2 AWG				
32260204	4	1.402	35.6	1538
32260205	5	1.539	39.1	1831

Other dimensions and colors are possible on request.

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Web site: www.sabcable.com