

# TRAY CABLES



**TR 600 S**

**Type TC, MTW, WTTC and CSA Approved Cable**

**UV and oil resistant 90°C flexible tray cable and machine-tool cable**



**TC-ER 90C DRY 75C WET 600V SUN RES DIR BUR**



SAB NORTH AMERICA TR 600 S 93331612 16 AWG 12C (UL) TC-ER 90C DRY 75C WET 600V SUN RES DIR BUR OIL RES I/II OR WTTC 1000V OR MTW "FLEXING" OR DP-1 OR AWM 2586 CSA CIC-TC PVC/N 90°C DRY 75°C WET 600V -25°C SR FT4 OR AWM I/II A/B 90C 1000V FT4 RoHS **CE**

TR 600 S is a multi-conductor, UL & CSA approved flexible tray cable. It is rated UL TC-ER, MTW, AWM and CSA CIC/TC for 600 V, 90°C and UL WTTC and CSA AWM 1000V. TR 600 S is UV, oil resistant (Oil Res I & II) and is submersible pump rated (3-7 cond.). This cable can be used without conduit (exposed runs). The reduced outer diameter permits easy handling and installation in confined areas. TR 600 S 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 S is permitted to be used in hazardous (classified) locations class I, Division 2 per NEC Article 501.4 (B) and is UL Type TC in acc. to UL standard 1277 and NEC Article 336 (392, 501). Additional uses include wind turbine power and control cable intended to be installed in cable trays or raceways within a wind turbine generator and NFPA 79 Machine areas.

## Construction:

<b>Conductor:</b>	bare copper strands Class K (30 AWG multiple strands)
<b>Insulation:</b>	special formulated PVC/Nylon
<b>Color code:</b>	black conductors with consecutive white numbers; green-yellow earth wire from 3 conductors
<b>Stranding:</b>	in layers
<b>Jacket material:</b>	special oil resistant pressure extruded PVC
<b>Jacket color:</b>	black

## Outstanding features:

- ▶ Flexible stranding for easy installation
- ▶ Oil resistant meeting UL Oil Res I and II
- ▶ NFPA 79 for Industrial Machinery
- ▶ UL TC-ER (exposed run)
- ▶ CSA approved for TC
- ▶ Submersible pump (14 AWG ≥, 3 thru 7 cond.)
- ▶ WTTC: Wind Turbine Tray

## Technical data:

<b>Voltage:</b>	<b>(UL) / UL-AWM / CSA: 600 V</b> <b>(UL) WTTC/ CSA AWM: 1000 V</b>	
<b>Testing voltage:</b>	4000 V	
<b>Min. bending radius fixed installation:</b>	< 12 mm = 3 x O.D. > 12 mm = 4 x O.D.	
<b>free movement:</b>	< 12 mm = 5 x O.D. > 12 mm = 6 x O.D.	
<b>Temperature:</b>	<b>(UL) / CSA:</b> up to +90°C -40°C	<b>UL-AWM:</b> up to +105°C
<b>Burning characteristics:</b>	(UL) FT4 and CSA FT1, FT2, FT4	
<b>Oil resistance I + II:</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 page N/25	

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>18 AWG</b>				
93331802	2	0.282	7.2	47
93331803	3	0.296	7.5	59
93331804	4	0.319	8.1	71
93331805	5	0.345	8.8	80
93331807	7	0.372	9.4	100
93331809	9	0.428	10.9	126
93331812	12	0.478	12.1	166
93331818	18	0.583	14.8	245
93331825	25	0.667	16.9	327
93331850	50	0.908	23.1	622
<b>16 AWG</b>				
93331603	3	0.318	8.1	69
93331604	4	0.343	8.7	85
93331605	5	0.372	9.4	97
93331607	7	0.403	10.2	121
93331608	8	0.434	11.0	137
93331609	9	0.465	11.8	163
93331612	12	0.519	13.2	202
93331616	16	0.603	15.3	273
93331618	18	0.633	16.1	300

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>16 AWG</b>				
93331619	19	0.633	16.1	310
93331625	25	0.725	18.4	403
93331641	41	0.922	23.4	654
93331650	50	0.989	25.1	770
<b>14 AWG</b>				
93331403	3	0.361	9.2	92
93331404	4	0.392	10.0	113
93331405	5	0.426	10.8	130
93331407	7	0.463	11.8	175
93331409	9	0.568	14.4	235
93331412	12	0.632	16.1	300
93331418	18	0.733	18.6	422
93331425	25	0.884	22.5	603
<b>12 AWG</b>				
93331203	3	0.401	10.2	123
93331204	4	0.436	11.1	153
93331205	5	0.476	12.1	189
93331207	7	0.517	13.1	243

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>10 AWG</b>				
93331003	3	0.505	12.8	190
93331004	4	0.580	14.7	260
93331005	5	0.635	16.1	313
93331007	7	0.691	17.6	403
<b>8 AWG</b>				
93330804	4	0.741	18.8	402
93330805	5	0.814	20.7	489
<b>6 AWG</b>				
93330603	3	0.757	19.2	447
93330604	4	0.870	22.1	598
93330605	5	0.954	24.2	717
<b>4 AWG</b>				
93330403	3	0.959	24.4	696
93330404	4	1.050	26.7	881
<b>2 AWG</b>				
93330203	3	1.135	28.8	977
93330204	4	1.243	31.6	1288

Other dimensions and colors are possible on request.

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**Web site: www.sabcable.com**