

TRAY CABLES



TR 600 S

**Type TC-ER, 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 and improved flexibility permits easy handling and faster installation. 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:

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

Voltage:	(UL) / UL-AWM / CSA: 600 V (UL) WTTC/ CSA AWM: 1000 V	
Testing voltage:	2000 V	
Min. bending radius		
<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.	
Temperature:	(UL) / CSA: up to +90°C -40°C	UL-AWM: up to +105°C
<i>static:</i>		
Burning characteristics:	(UL) FT4 and CSA FT1, FT2, FT4	
Oil resistance I + II:	yes	
Sunlight resistance:	yes	
Exposed Runs:	yes	
Cold bend test:	-40°C	
Direct Burial:	yes	
Machinery area:	yes	
Absence of harmful substances:	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/mf	item no.	no. of conductors incl. ground	nominal outer - ø inch	mm	cable weight ≈ lbs/mf	item no.	no. of conductors incl. ground	nominal outer - ø inch	mm	cable weight ≈ lbs/mf
▶ 18 AWG					▶ 16 AWG					▶ 10 AWG				
93331802*	2	0.286	7.3	45	93331619	19	0.646	16.4	310	93331003	3	0.487	12.4	179
93331803	3	0.300	7.6	55	93331625	25	0.746	18.9	395	93331004	4	0.568	14.4	248
93331804	4	0.324	8.2	67	93331634	34	0.884	22.5	544	93331005	5	0.618	15.7	298
93331805	5	0.349	8.9	79	93331641	41	0.945	24.0	654	93331007	7	0.674	17.1	403
93331807	7	0.376	9.6	100	93331650	50	1.025	26.0	756	▶ 8 AWG				
93331809	9	0.432	11.0	125	▶ 14 AWG					93330803	3	0.662	16.8	309
93331812	12	0.480	12.2	157	93331402*	2	0.346	8.8	65	93330804	4	0.728	18.5	388
93331818	18	0.596	15.1	244	93331403	3	0.364	9.2	88	93330805	5	0.826	21.0	465
93331825	25	0.686	17.4	319	93331404	4	0.396	10.1	112	▶ 6 AWG				
93331850	50	0.940	23.9	622	93331405	5	0.430	10.9	130	93330603	3	0.765	19.4	443
▶ 16 AWG					93331407	7	0.472	12.0	169	93330604	4	0.879	22.3	580
93331602*	2	0.306	7.8	52	93331409	9	0.578	14.7	236	93330605	5	0.954	24.2	717
93331603	3	0.321	8.2	70	93331412	12	0.644	16.4	297	▶ 4 AWG				
93331604	4	0.348	8.8	81	93331418	18	0.744	18.9	417	93330403	3	0.966	24.5	696
93331605	5	0.376	9.6	96	93331425	25	0.904	23.0	596	93330404	4	1.061	26.9	845
93331607	7	0.412	10.5	126	▶ 12 AWG					93330405	5	1.179	29.9	1035
93331608	8	0.440	11.2	137	93331202*	2	0.385	9.8	99	▶ 2 AWG				
93331609	9	0.473	12.0	152	93331203	3	0.403	10.2	120	93330203	3	1.114	28.3	977
93331612	12	0.527	13.4	196	93331204	4	0.440	11.2	150	93330204	4	1.160	29.5	1215
93331616	16	0.613	15.6	273	93331205	5	0.479	12.2	189	93330205	5	1.363	34.6	1575
93331618	18	0.646	16.4	300	93331207	7	0.526	13.4	240					

Other dimensions and colors are possible on request.
*2 conductor cables are rated UL TC only.

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Web site: www.sabcable.com