

# TRAY CABLES



**TR 600 S CY**

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

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

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



SAB NORTH AMERICA TR 600 S CY 93341625 16 AWG 25C (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

TR 600 S CY is a multi-conductor, UL & CSA approved shielded 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 CY 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 CY shielded 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 CY is permitted to be used in hazardous (classified) locations Class I, Division 2 per 5NEC Article 01.4 (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>Wrapping:</b>	fleece tape
<b>Screen:</b>	tinned copper braiding (85% coverage)
<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.)

## Technical data:

<b>Voltage:</b>	(UL) / UL-AWM / CSA: 600 V (UL) WTTC/ CSA AWM: 1000 V	
<b>Testing voltage:</b>	2000 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>static:</b>		
<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>Cold bend test:</b>	-40°C	
<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/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
<b>▶ 18 AWG</b>					<b>▶ 14 AWG</b>					<b>▶ 10 AWG</b>				
93341803	3	0.324	8.2	71	93341403	3	0.388	9.9	108	93341004	4	0.568	14.4	250
93341804	4	0.348	8.8	85	93341404	4	0.420	10.7	131	93341005	5	0.643	16.3	350
93341805	5	0.373	9.5	95	93341405	5	0.454	11.5	155	<b>▶ 8 AWG</b>				
93341807	7	0.400	10.2	120	93341407	7	0.490	12.4	190	93340804	4	0.759	19.3	447
93341809	9	0.455	11.6	149	93341412	12	0.662	16.8	350	<b>▶ 6 AWG</b>				
93341812	12	0.504	12.8	185	93341418	18	0.764	19.4	482	93340604	4	0.915	23.2	672
93341818	18	0.617	15.7	270	93341425	25	0.924	23.5	701	<b>▶ 4 AWG</b>				
93341825	25	0.710	18.0	365	<b>▶ 12 AWG</b>					93340404	4	1.097	27.9	993
<b>▶ 16 AWG</b>					93341203	3	0.427	10.8	145	<b>▶ 2 AWG</b>				
93341603	3	0.345	8.8	83	93341204	4	0.464	11.8	178	93340204	4	1.271	32.3	1455
93341604	4	0.372	9.4	100	93341205	5	0.506	12.9	210	Other dimensions and colors are possible on request.				
93341605	5	0.400	10.2	116										
93341607	7	0.430	10.9	145										
93341609	9	0.492	12.5	187										
93341612	12	0.579	14.7	245										
93341618	18	0.664	16.9	335										
93341625	25	0.770	19.6	445										

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