

# Tray & VFD Cables

## TR 600 S gray

UV and oil resistant 90°C flexible tray cable  
Type TC-ER, MTW, WTTC, and CSA approved



Marking for TR 600 S 93351641:

SAB NORTH AMERICA TR 600 S 93351641 16 AWG/41C (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

### 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 ground from 3 conductors
<b>Stranding:</b>	in layers
<b>Jacket material:</b>	special oil resistant pressure extruded PVC
<b>Jacket color:</b>	gray (RAL 7000)

### 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 cable
- Class 1 Div 2 per NEC Article 501.4 (B)

### Technical data:

<b>Voltage:</b>	<b>UL-AWM / (UL) / CSA:</b> 600 V <b>(UL) WTTC:</b> 1000 V
<b>Testing voltage:</b>	2500 V
<b>Min. bending radius:</b> <i>fixed installation:</i> <i>free movement:</i>	4 x O.D. 6 x O.D.
<b>Temperature range:</b> <i>static:</i>	<b>UL -AWM</b> up to +105°C -40°C <b>(UL) / CSA:</b> up to +90°C
<b>Burning characteristics:</b>	(UL) FT4 and CSA FT1, FT2, FT4
<b>Oil resistance I &amp; 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>Approvals:</b>	UL TC-ER, UL MTW, UL WTTC, UR AWM, CSA CIC-TC, CSA CIC, CSA AWM, CE, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 18 AWG				
93351802*	2	0.286	7.3	45
93351803	3	0.300	7.6	55
93351804	4	0.324	8.2	67
93351805	5	0.349	8.9	79
93351807	7	0.376	9.6	100
93351809	9	0.432	11.0	125
93351812	12	0.480	12.2	157
93351818	18	0.596	15.1	244
93351825	25	0.686	17.4	319
93351850	50	0.940	23.9	622
▶ 16 AWG				
93351602*	2	0.306	7.8	52
93351603	3	0.321	8.2	70
93351604	4	0.348	8.8	81
93351605	5	0.376	9.6	96
93351607	7	0.412	10.5	126
93351608	8	0.440	11.2	137
93351609	9	0.473	12.0	152
93351612	12	0.527	13.4	196
93351616	16	0.613	15.6	273
93351618	18	0.646	16.4	300
93351619	19	0.646	16.4	310
93351625	25	0.746	18.9	395
93351634	34	0.884	22.5	544
93351641	41	0.945	24.0	654
93351650	50	1.025	26.0	756

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 14 AWG				
93351402*	2	0.346	8.8	65
93351403	3	0.364	9.2	88
93351404	4	0.396	10.1	112
93351405	5	0.430	10.9	130
93351407	7	0.472	12.0	169
93351409	9	0.578	14.7	236
93351412	12	0.644	16.4	297
93351418	18	0.744	18.9	417
93351425	25	0.904	23.0	596
▶ 12 AWG				
93351202*	2	0.385	9.8	99
93351203	3	0.403	10.2	120
93351204	4	0.440	11.2	150
93351205	5	0.479	12.2	189
93351207	7	0.526	13.4	240
▶ 10 AWG				
93351003	3	0.487	12.4	179
93351004	4	0.568	14.4	248
93351005	5	0.618	15.7	298
93351007	7	0.674	17.1	403
▶ 8 AWG				
93350803	3	0.662	16.8	309
93350804	4	0.728	18.5	388
93350805	5	0.826	21.0	465

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 6 AWG				
93350603	3	0.765	19.4	443
93350604	4	0.879	22.3	580
93350605	5	0.954	24.2	717
▶ 4 AWG				
93350403	3	0.966	24.5	696
93350404	4	1.061	26.9	845
93350405	5	1.179	29.9	1035
▶ 2 AWG				
93350203	3	1.114	28.3	977
93350204	4	1.160	29.5	1215
93350205	5	1.363	34.6	1575

Other dimensions and colors are available on request

\*2 conductor cables are rated UL TC only