

# Tray & VFD Cables

## TR 600 S CY

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



SR FT4 OR AWM I/II A/B 90C 1000V FT4 RoHS CE



Marking for TR 600 S CY 93341604:

SAB NORTH AMERICA TR 600 S CY 93341604 16 AWG/ 4C (UL) TC-ER 90C DRY/WET 600V SUN RES DIR BUR OIL RES I/II OR WTTTC 1000V OR

MTW "FLEXING" OR DP-1 OR AWM 2586 105°C 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>Wrapping:</b>	fleece tape
<b>Shielding:</b>	tinned copper braiding (85% coverage)
<b>Jacket material:</b>	special oil resistant pressure extruded PVC
<b>Jacket color:</b>	black (RAL 9005)

### Technical data:

<b>Voltage:</b>	<b>UL-AWM / (UL) / CSA:</b> 600 V <b>(UL) WTTTC:</b> 1000 V
<b>Testing voltage:</b>	2500 V
<b>Min. bending radius:</b>	<i>fixed installation:</i> 6 x O.D. <i>free movement:</i> 8 x O.D.
<b>Temperature range:</b>	<b>UL -AWM</b> (UL) / <b>CSA:</b> up to +105°C up to +90°C <i>static:</i> -40°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 WTTTC, UR AWM, CSA CIC-TC, CSA AWM, CE, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

### 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.)
- WTTTC: Wind Turbine tray cable
- 90°C Wet rated
- Class 1 Div 2 per NEC Article 501.4 (B)

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 18 AWG</b>				
93341803	3	0.324	8.2	71
93341804	4	0.348	8.8	85
93341805	5	0.373	9.5	95
93341807	7	0.400	10.2	120
93341809	9	0.455	11.6	149
93341812	12	0.504	12.8	185
93341818	18	0.617	15.7	270
93341825	25	0.710	18.0	365
<b>▶ 16 AWG</b>				
93341603	3	0.345	8.8	83
93341604	4	0.372	9.4	100
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

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 14 AWG</b>				
93341403	3	0.388	9.9	108
93341404	4	0.420	10.7	131
93341405	5	0.454	11.5	155
93341407	7	0.490	12.4	190
93341412	12	0.662	16.8	350
93341418	18	0.764	19.4	482
93341425	25	0.924	23.5	701
<b>▶ 12 AWG</b>				
93341203	3	0.427	10.8	145
93341204	4	0.464	11.8	178
93341205	5	0.506	12.9	210
93341207	7	0.578	14.7	307
<b>▶ 10 AWG</b>				
93341003	3	0.562	14.3	190
93341004	4	0.568	14.4	250
93341005	5	0.643	16.3	350
93341007	7	0.695	17.7	408

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 8 AWG</b>				
93340804	4	0.759	19.3	447
<b>▶ 6 AWG</b>				
93340604	4	0.915	23.2	672
93340605	5	0.936	23.8	766
<b>▶ 4 AWG</b>				
93340404	4	1.097	27.9	993
<b>▶ 2 AWG</b>				
93340204	4	1.271	32.3	1455

Other dimensions and colors are available on request

UL TC-ER-JP (joist pull) available upon request