

# Tray & VFD Cables



## TR 600 S CY gray

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



Marking for TR 600 S CY gray 93361604:

SAB NORTH AMERICA TR 600 S CY 93361604 16 AWG/ 4C (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 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>	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>	2000 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 AWM, UL WTTC, 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

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item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 18 AWG</b>				
93361803	3	0.324	8.2	71
93361804	4	0.348	8.8	85
93361805	5	0.373	9.5	95
93361807	7	0.400	10.2	120
93361809	9	0.455	11.6	149
93361812	12	0.504	12.8	185
93361818	18	0.617	15.7	270
93361825	25	0.710	18.0	365
<b>▶ 16 AWG</b>				
93361603	3	0.345	8.8	83
93361604	4	0.372	9.4	100
93361605	5	0.400	10.2	116
93361607	7	0.430	10.9	145
93361609	9	0.492	12.5	187
93361612	12	0.579	14.7	245
93361618	18	0.664	16.9	335
93361625	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>				
93361403	3	0.388	9.9	108
93361404	4	0.420	10.7	131
93361405	5	0.454	11.5	155
93361407	7	0.490	12.4	190
93361412	12	0.662	16.8	350
93361418	18	0.764	19.4	482
93361425	25	0.924	23.5	701
<b>▶ 12 AWG</b>				
93361203	3	0.427	10.8	145
93361204	4	0.464	11.8	178
93361205	5	0.506	12.9	210
<b>▶ 10 AWG</b>				
93361003	3	0.562	14.3	190
93361004	4	0.568	14.4	250
93361005	5	0.643	16.3	350
93361007	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>				
93360804	4	0.759	19.3	447
<b>▶ 6 AWG</b>				
93360604	4	0.915	23.2	672
<b>▶ 4 AWG</b>				
93360404	4	1.097	27.9	993
<b>▶ 2 AWG</b>				
93360204	4	1.271	32.3	1455

Other dimensions and colors are available on request