

# TRAY & VFD CABLES



**TR 600 S CY gray** Type TC-ER, MTW, WTTTC and CSA approved UV and oil resistant 90°C shielded flexible tray cable

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



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 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

TR 600 S CY gray 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 WTTTC and CSA AWM 1000V. TR 600 S CY gray 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 permits easy handling and installation in confined areas. TR 600 S CY gray 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 gray 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:

<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>	gray

## 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 runs)
- CSA approved for TC
- Submersible pump (14 AWG ≥, 3 thru 7 cond.)
- WTTTC: Wind turbine tray cable

## Technical data:

<b>Voltage:</b>	UL-AWM / (UL) / CSA: 600 V (UL) WTTTC: 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:</b>	UL-AWM: up to +105°C -40°C	(UL) / CSA: up to +90°C
<i>static:</i>		
<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 O/30	

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø 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	nominal outer-ø 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

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
<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	17.6	408
<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 possible on request.

E-mail: [info@sabcable.com](mailto:info@sabcable.com)



Web site: [www.sabcable.com](http://www.sabcable.com)

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