

TRAY & VFD CABLES

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



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

Marking for TR 600 S CY 93341604:

SAB NORTH AMERICA TR 600 S CY 93341604 16 AWG/ 4C (UL) TC-ER-JP 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

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 WTTTC and CSA AWM 1000V. TR 600 S CY black 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 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 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:

Conductor:	bare copper strands class K (30 AWG multiple strands)
Insulation:	special formulated PVC/Nylon
Color code:	black conductors with consecutive white numbers; green-yellow earth wire from 3 conductors
Stranding:	in layers
Wrapping:	fleece tape
Screen:	tinned copper braiding (85% coverage)
Jacket material:	special oil resistant pressure extruded PVC
Jacket color:	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 runs)
- CSA approved for TC
- Submersible pump (14 AWG ≥, 3 thru 7 cond.)
- WTTTC: Wind turbine tray cable
- 90°C Wet rated
- UL TC-ER-JP (joist pull)*

Technical data:

Voltage:	UL-AWM / (UL) / CSA: 600 V (UL) WTTTC: 1000 V	
Testing voltage:	2000 V	
Min. bending radius		
<i>fixed installation:</i>	6 x O.D.	
<i>free movement:</i>	8 x O.D.	
Temperature:	UL-AWM: up to +105°C -40°C	(UL) / CSA: up to +90°C
<i>static:</i>		
Burning characteristics:	(UL) FT4 and CSA FT1, FT2, FT4	
Oil resistance I + II:	yes	
Sunlight resistance:	yes	
Exposed Runs:	yes	
Cold bend test:	-40°C	
Direct Burial:	yes	
Machinery Area:	yes	
Absence of harmful substances:	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	nominal outer-ø mm	cable weight ≈ lbs/mft
➤ 18 AWG				
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
➤ 16 AWG				
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	nominal outer-ø mm	cable weight ≈ lbs/mft
➤ 14 AWG				
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
➤ 12 AWG				
93341203	3	0.427	10.8	145
93341204	4	0.464	11.8	178
93341205	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
➤ 10 AWG				
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	17.6	408
➤ 8 AWG				
93340804	4	0.759	19.3	447
➤ 6 AWG				
93340604	4	0.915	23.2	672
93340605	5	0.936	23.8	766
➤ 4 AWG				
93340404	4	1.097	27.9	993
➤ 2 AWG				
93340204	4	1.271	32.3	1455

Other dimensions and colors are possible on request.

* UL TC-ER-JP (joist pull) added Sept. 1, 2021