

TRAY & VFD CABLES



TR 600 S gray

Type TC-ER, MTW, WTTC and CSA approved

UV and oil resistant 90°C flexible tray cable

-25°C SR FT4 OR AWM I/II A/B 90C 1000V FT4 RoHS CE



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

TR 600 S gray is a multi-conductor, UL & CSA approved flexible tray cable. It is rated UL TC-ER, MTW, AWM and CSA CIC/TC for 600 V, 90°C and UL WTTC and CSA AWM 1000V. TR 600 S 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 gray 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 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:

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
Jacket material:	special oil resistant pressure extruded PVC
Jacket color:	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.)
- WTTC: Wind turbine tray cable

Technical data:

Voltage:	UL-AWM / (UL) / CSA: 600 V (UL) WTTC: 1000 V	
Testing voltage:	2000 V	
Min. bending radius		
<i>fixed installation:</i>	4 x O.D.	
<i>free movement:</i>	6 x O.D.	
Temperature:	UL-AWM: up to +105°C static: -40°C	(UL) / CSA: up to +90°C
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	

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

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
➤ 16 AWG				
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
➤ 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

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
➤ 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
➤ 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 possible on request.
*2 conductor cables are rated UL TC only

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