

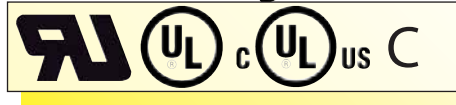


TRAY CABLES



TR 600 T black Type TC, MTW, WTTC and Submersible Pump Cable

UV and oil resistant 90°C flexible tray cable and machine-tool cable



(UL) CIC FT4 Outdoor AWM II A/B 90C 600V ROHS CE

Marking for TR 600 T black 92221850: SAB- TR 600 T black 92221850
(UL) Type TC-ER 50C 18 AWG PVC/Nylon 75C Wet or 90C Dry Sun Res Oil Res I + II Dir Bur 600V or MTW Flexing or DP-1 or WTTC 1000V Class I Div II 90C Dry -40C or Submersible Pump Cable or c(UL) CIC FT4 Outdoor AWM II A/B 90C 600V ROHS C

TR 600 T black is a multi-conductor, 600 V, 90°C, UL approved, UV and oil resistant flexible tray cable. Also machine-tool cable for use as specified in the National Electrical Code (NFPA 70) and in the National Fire Protection Association Electrical Standard for Industrial Machinery (NFPA 79). This cable can be used without conduit (exposed runs). The reduced outer diameter permits easy handling and installation in confined areas. Our specially designed PVC jacket passes the stringent requirements of the VDE test 0281 part 1 and HD 21.1 oil test providing the best oil resistance available for a PVC jacket. TR 600 T black 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 T black is permitted to be used in hazardous (classified) locations class I, Division 2 per NEC Article 501.4 (B), UL Type TC is in acc. to UL standard 1277 and NEC Article 336 (392, 501). Wind turbine power and control cable is intended to be installed in cable trays or raceways within a wind turbine generator. MTW listed cables can be used in NFPA 79 Machine areas.

Construction:

Conductor:	bare copper strands acc. to IEC 60228 class 5 and UL standard 758 table 5.1 + UL 1581 table 20.1
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 & tear resistant pressure extruded copolymer
Jacket color:	black

Outstanding features:

- Flexible cable for cable tray use even where sunlight resistance and open wiring is required
- NFPA 79 for Industrial Machinery
- WTTC approval
- WTTC: UL Subject 2277
- TC: UL Standard 1277
- Submersible pump rated

Technical data:

Voltage:	UL-AWM / (UL) / c(UL): 600 V (UL) WTTC: 1000 V
Testing voltage:	4000 V
Min. bending radius fixed installation:	< 12 mm = 3 x O.D. > 12 mm = 4 x O.D.
free movement:	< 12 mm = 5 x O.D. > 12 mm = 6 x O.D.
Temperature:	UL-AWM: up to +105°C static: -40°C (UL) / c(UL): up to +90°C
Burning characteristics:	(UL) FT4 and c(UL) FT1, FT2, FT4
Oil resistance I:	yes
Sunlight resistance:	yes
Exposed Runs:	yes
Direct Burial:	yes
Machinery Area:	yes
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/25

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item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
• 18 AWG				
92221803	3	0.284	7.2	47
92221804	4	0.306	7.8	57
92221805	5	0.318	8.1	66
92221807	7	0.355	9.0	85
92221809	9	0.393	10.0	104
92221812	12	0.438	11.1	131
92221818	18	0.545	13.8	201
92221825	25	0.619	15.7	264
92221850	50	0.861	21.9	515
• 16 AWG				
92221603	3	0.306	7.8	60
92221604	4	0.330	8.4	74
92221605	5	0.344	8.7	86
92221607	7	0.385	9.8	113
92221608	8	0.418	10.6	127
92221609	9	0.428	10.9	139

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
• 16 AWG				
92221612	12	0.508	12.9	193
92221616	16	0.567	14.4	246
92221618	18	0.594	15.1	272
92221625	25	0.676	16.9	360
92221641	41	0.869	22.1	594
92221650	50	0.942	23.9	707
• 14 AWG				
92221403	3	0.341	8.6	82
92221404	4	0.369	9.4	102
92221405	5	0.385	9.8	128
92221407	7	0.433	11.0	159
92221409	9	0.483	12.3	199
92221412	12	0.572	14.5	274
92221418	18	0.672	17.1	389
92221425	25	0.808	20.5	555

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
• 12 AWG				
92221204	4	0.429	10.9	143
92221205	5	0.450	11.4	170
92221207	7	0.508	12.9	228
• 10 AWG				
92221004	4	0.480	12.2	205
92221005	5	0.502	12.8	236
92221007	7	0.630	16.0	353
• 8 AWG				
92220804	4	0.704	17.9	355
92220805	5	0.739	18.8	426
• 6 AWG				
92220603	3	0.742	18.9	389
92220604	4	0.812	20.6	498
92220605	5	0.855	21.7	602
• 4 AWG				
92220403	3	0.933	23.7	616
92220404	4	1.022	25.9	788
• 2 AWG				
92220203	3	1.082	27.5	881
92220204	4	1.189	30.2	1137

Other dimensions and colors are possible on request.

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Web site: www.sabcable.com