

TRAY CABLES



TR 600 CY Lean Type TC, MTW and WTTTC

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



CIC SHIELDED 90°C dry 600V FT1 FT2 FT4 CE

Marking for TR 600 CY Lean 32241625: SAB BRÖCKSKES · D-VIERSEN ·

TR 600 CY Lean 16 AWG/25c 32241625 TFFN (UL) Type TC-ER 90°C 600V, Oil Resistant I, Sunlight Resistant, Direct Burial, FT4 (UL) WTTTC 90°C 1000V (UL) MTW 16 AWG/25c 600V flexing AWM Style 21179 600V c(UL) Type CIC SHIELDED 90°C dry 600V FT1 FT2 FT4 CE

TR 600 CY Lean is a multi-conductor, 600 V, 90°C, UL recognized, 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. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. TR 600 CY Lean 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 CY Lean 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 numbers; green-yellow earth wire from 3 conductors
Stranding:	in layers
Wrapping:	PETP foil
Screen:	tinned copper braiding
Sheath material:	special sunlight and oil resistant PVC
Sheath color:	black (RAL 9005)

Outstanding features:

- ▶ Flexible cable for cable tray use
- ▶ Oil resistance
- ▶ Sunlight resistance
- ▶ NFPA 79 for Industrial Machinery
- ▶ New improved with WTTTC
- ▶ WTTTC: UL Subject 2277
- ▶ TC: UL Standard 1277
- ▶ (UL)/(cUL) listed

Technical data:

Voltage:	UL-AWM / (UL) / c(UL): 600 V (UL) WTTTC: 1000 V	
Testing voltage:	4000 V	
Min. bending radius		
<i>fixed installation:</i>	5 x O.D.	
<i>free movement:</i>	10 x O.D.	
Radiation resistance:	8 x 10 ⁷ cJ/kg	
Temperature:	UL-AWM:	(UL) / c(UL):
<i>static:</i>	up to +105°C	up to +90°C
	-25°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	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 16 AWG				
32241603	3	0.346	8.8	73
32241604	4	0.374	9.5	89
32241605	5	0.406	10.3	106
32241607	7	0.449	11.4	140
32241612	12	0.606	15.4	248
32241618	18	0.697	17.7	337
32241625	25	0.819	20.8	439

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 14 AWG				
32241403	3	0.382	9.7	95
32241404	4	0.413	10.5	118
32241405	5	0.457	11.6	152
32241407	7	0.496	12.6	190
32241412	12	0.669	17.0	327
32241418	18	0.776	19.7	460
32241425	25	0.961	24.4	655
▶ 12 AWG				
32241204	4	0.476	12.1	172
32241205	5	0.520	13.2	209
32241207	7	0.602	15.3	292

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 10 AWG				
32241004	4	0.594	15.1	272
32241005	5	0.650	16.5	329
32241007	7	0.705	17.9	415
▶ 8 AWG				
32240804	4	0.748	19.0	416
▶ 6 AWG				
32240604	4	0.933	23.7	626
▶ 4 AWG				
32240404	4	1.114	28.3	913
▶ 2 AWG				
32240204	4	1.276	32.4	1260

Other dimensions and colors are possible on request.

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Web site: www.sabcable.com