

TRAY CABLES



Servo VFD Type MTW and WTTC Variable frequency drive - tray cable and machine-tool cable



Marking for Servo VFD 08520404: SAB BRÖCKSKES · D-VIERSEN ·

Servo VFD 4 AWG/4c 08520404 THHN (UL) Type TC-ER 90°C 600V, Oil I, Sunlight Resistant, Direct Burial, FT4 (UL) WTTC 90°C 1000V (UL) MTW 4 AWG/4c 600V AWM Style 21179 1000V c(UL) Type CIC 4 AWG/4c 90°C dry 600V FT1, FT2, FT4 CSA AWM I/II A/B 90°C 1000V FT1 FT2 CE

Servo VFD is a flexible motor supply cable designed for automated servo systems. 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). Its unique flame retardant jacket makes the VFD rated for 600V suitable for tray cable application and also as Control and Instrumentation Cable, UL AWM recognized and CSA approved for 1000 Volt. The VFD is double insulated and contains an outer PVC jacket. The VFD can be used to connect alternating current variable frequency drives to alternating current variable frequency motors and is approved for up to 50' of open wiring to make installations less cumbersome. This motor supply cable is also suitable for installation in wet or dry locations and is UV resistant. The Servo VFD can be used in indoor or outdoor applications and is rated for direct burial. Servo VFD 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:	tinned copper strands acc. to DIN VDE 0295 class 5 + IEC 60228 class 5 + HD 383 class 5 from 18 AWG - 14 AWG, from 10 AWG - 2 AWG class k in acc. to ASTM B 172
Insulation:	special formulated PVC/Nylon
Color code:	black conductors with consecutive white numbers and green-yellow earth wire
Stranding:	in layers
Jacket material:	special sunlight and oil resistant PVC
Jacket color:	black

Outstanding features:

- ▶ Interconnection of variable frequency drive control device to variable frequency motors
- ▶ NFPA 79 for Industrial Machinery
- ▶ New improved with WTTC
- ▶ WTTC: UL Subject 2277
- ▶ TC: UL Standard 1277
- ▶ (UL)(cUL) listed

Technical data:

Voltage:	(UL) / c(UL): 600 V UL-AWM/CSA-AWM: 1000 V (UL) WTTC: 1000 V
Testing voltage U:	7500 V
Min. bending radius:	12 x O.D.
Temperature:	UL-AWM: up to +105°C static: -25°C (UL) / c(UL) / CSA-AWM: up to +90°C
Burning characteristics:	(UL) / c(UL) FT4, c(UL) / CSA-AWM FT1, FT2
Oil resistant:	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.	AWG	nominal outer- inch	mm	cable weight ≈ lbs/mft
▶ 08521804	18/4c	0.331	8.4	67
▶ 08521604	16/4c	0.358	9.1	83
▶ 08521404	14/4c	0.394	10.0	113
▶ 08521204	12/4c	0.441	11.2	147
▶ 08521004	10/4c	0.543	13.8	223
▶ 08520804	8/4c	0.724	18.4	360
▶ 08520604	6/4c	0.902	22.9	558
▶ 08520404	4/4c	1.079	27.4	825
▶ 08520204	2/4c	1.252	31.8	1177

Other dimensions and colors are possible on request.

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Web site: www.sabcable.com