



TRAY CABLES

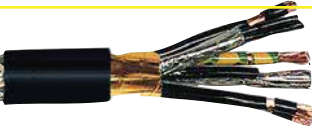


TR 600 Auto Type MTW Combo C HD and WTTTC

Variable frequency drive -
tray cable and machine-tool cable
with overall copper screen



SA AWM I/II A/B 90°C 1000V FT1 FT2 FT4 C



Marking for TR 600 Auto Combo C HD 08530444: A BRÖCKSKES · D-VIERSEN · TR 600 Auto Combo C HD 4 AWG/4c + 16 AWG/2pr 08530444
THHN + TFFN (UL) Type TC-ER 90°C 600V, Oil I, Sunlight Resistant, Direct Burial, FT4 (UL) WTTTC 90°C 1000V (UL) MTW 600V flexing AWM Style 21270
1000V c(UL) Type CIC SHIELDED 4 AWG/4c + 16 AWG/2pr 90°C dry 600V FT1, FT2, FT4 CSA AWM I/II A/B 90°C 1000V FT1 FT2 FT4 C

TR 600 Auto Combo C HD is a flexible shielded 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 TR 600 Auto Combo C HD 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 TR 600 Auto Combo C HD has an outer PVC jacket and both a foil and a braid shield which helps with problems related to voltage spikes, harmonics, and power distortions frequently associated with variable frequency drives. The TR 600 Auto Combo C HD 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 TR 600 Auto Combo C HD can be used in indoor or outdoor applications and is rated for direct burial. The combination of the braid and foil shield makes the VFD DS 100% shielded from excessive interference. TR 600 Auto Combo C HD 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 6 + IEC 60228 class 6
Insulation:	special formulated PVC/Nylon
Color code:	black conductors with consecutive white numbers and green-yellow earth wire. Also available with blue conductors.
Stranding:	signal conductors in pairs
Screen:	pairwise with alu foil, tinned copper drain wire AWG 26 and braided with tinned copper wires
Wrapping:	pairwise with PETP foil
Stranding:	screened signal pair(s) and power conductors in layers
Wrapping:	non-woven tape
Screen:	double shield, alu foil and tinned copper braiding
Jacket material:	TPE
Jacket color:	black

Technical data:

Voltage:	(UL) / c(UL): 600 V UL-AWM/CSA-AWM: 1000 V (UL) WTTTC: 1000 V
Testing voltage U:	conductor/conductor 7500 V conductor/screen 3000 V
Min. bending radius	
<i>fixed installation:</i>	5 x O.D.
<i>free movement:</i>	10 x O.D.
<i>continuous flexible:</i>	12 x O.D.
Temperature:	UL-AWM: up to +105°C (UL) / c(UL) / CSA-AWM: up to +90°C <i>static:</i> -25°C Vertical Tray Flame
Cold Bend Test:	-40°C
Burning characteristics:	(UL) / c(UL) / FT1, FT2, FT4
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

Outstanding features:

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

item no.	dimensions	nominal outer- ϕ inch	mm	cable weight \approx lbs/mft
• 32431614	16 AWG/4c + 18 AWG/1pr	0,488	12,4	175
• 32431414	14 AWG/4c + 18 AWG/1pr	0,531	13,5	190
• 32431404	14 AWG/4c + 14 AWG/1pr	0,587	14,9	220
• 32431214	12 AWG/4c + 18 AWG/1pr	0,591	15,0	245
• 32431204	12 AWG/4c + 14 AWG/1pr	0,598	15,2	265
• 32431004	10 AWG/4c + 14 AWG/1pr	0,724	18,4	370
• 32430804	8 AWG/4c + 14 AWG/1pr	0,929	23,6	555

Other dimensions and colors are possible on request.

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Web site: www.sabcable.com