



# TRAY CABLES



## VFD Lean TR Type MTW and WTTC

Variable Frequency Drive -  
Tray Cable and Machine-Tool Cable  
with overall copper screen



Marking for VFD Lean TR 08610404: SAB BRÖCKSKES · D-VIERSEN ·  
VFD Lean TR 4 AWG/4c 08610404 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 SHIELDED 4 AWG/4c 90°C dry 600V FT1, FT2, FT4 CSA AWM I/II A/B 90°C 1000V FT1 FT2 CE

### Construction:

<b>Conductor:</b>	tinned copper strands with reference to DIN VDE 0295 class 5 + IEC 60228 class 5 + HD 383 class 5 from 18 AWG - 12 AWG, from 10 AWG - 2 AWG class k in acc. to ASTM B 172
<b>Insulation:</b>	special formulated PVC/Nylon
<b>Color code:</b>	black cores with consecutive white numbers and green-yellow earth wire
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	non-woven tape
<b>Screen:</b>	double shield, alu foil and tinned copper braiding
<b>Sheath material:</b>	special sunlight and oil resistant PVC
<b>Sheath color:</b>	black (RAL 9005)

### Technical data:

<b>Voltage:</b>	(UL) / c(UL): 600 V UL-AWM/CSA-AWM: 1000 V (UL) WTTC: 1000 V
<b>Testing voltage U:</b>	core/core 7500 V core/screen 3000 V
<b>Min. bending radius:</b>	12 x d
<b>Temperature:</b>	UL-AWM: up to +105°C fixed laying: -25°C (UL) / c(UL) / CSA-AWM: up to +90°C
<b>Burning characteristics:</b>	(UL) / c(UL) FT4, c(UL) / CSA-AWM FT1, FT2
<b>Oil resistance I:</b>	yes
<b>Sunlight resistance:</b>	yes
<b>Exposed Runs:</b>	yes
<b>Direct Burial:</b>	yes
<b>Machinery Area:</b>	yes
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/17

### Outstanding features:

- Interconnection of variable frequency drive control device to variable frequency motors
- NFPA 79 for industrial machinery
- WTTC approval
- WTTC: UL Subject 2277
- TC: UL Standard 1277
- (UL)/(cUL) listed
- EAC approval

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item no.	no. of cores x cross section n x AWG	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
08611804	4 x 18	0,21	9,0	62,2	111
08611604	4 x 16	0,26	9,7	83,9	135
08611404	4 x 14	0,26	10,6	125,2	178
08611204	4 x 12	0,26	12,0	192,4	264
08611004	4 x 10	0,26	15,3	297,2	413
08610804	4 x 8	0,26	19,4	461,9	640
08610604	4 x 6	0,26	23,9	682,9	942
08610404	4 x 4	0,26	28,4	1020,9	1363
08610204	4 x 2	0,26	32,7	1512,5	1909

Other dimensions and colours are possible on request.