



TRAY CABLES



VFD symmetrical Lean TR Type MTW and WTTTC

Variable Frequency Drive - Tray Cable and Machine-Tool Cable with overall copper screen and three tinned ground wires

NFPA 79 for industrial machinery

2, FT4 CSA AWM I/II A/B 90°C 1000V FT1 FT2 CE



Marking for VFD symmetrical Lean TR: SAB BRÜCKSKES · D-VIERSEN · VFD symmetrical Lean TR 14 AWG/3c THHN (UL) Type TC-ER 90°C 600V, Oil I, Sunlight Resistant, Direct Burial, FT4 (UL) WTTTC 90°C 1000V (UL) MTW 14 AWG/3c 600V AWM Style 21179 1000V c(UL) Type CIC SHIELDED 14 AWG/3c 90°C dry 600V FT1, FT2, FT4 CSA AWM I/II A/B 90°C 1000V FT1 FT2 CE

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 cores with consecutive white numbers
Stranding:	in layers with three tinned ground wires in the fillers
Screen:	double shield, alu foil and tinned copper braiding
Sheath material:	special sunlight and oil resistant PVC
Sheath color:	black (RAL 9005)

Technical data:

Voltage:	(UL) / c(UL): 600 V UL-AWM/CSA-AWM: 1000 V (UL) WTTTC: 1000 V
Testing voltage U:	core/core 7500 V core/screen 3000 V
Min. bending radius:	12 x d
Temperature :	UL-AWM: up to +105°C fixed laying: -25°C (UL) / c(UL) / CSA-AWM: up to +90°C
Burning characteristics:	(UL) / c(UL) FT4, c(UL) / CSA-AWM FT1, FT2
Oil resistance I:	yes
Sunlight resistance:	yes
Exposed Runs:	yes
Direct Burial:	yes
Machinery Area:	yes
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/14

Outstanding features:

- NFPA 79 for industrial machinery
- New: Improved with WTTTC approval
- WTTTC: UL Subject 2277
- TC: UL Standard 1277
- three tinned ground wires for symmetrical cross section

item no.	no. of cores x cross section n x AWG	ground wires n x AWG	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
08641603	3 x 16	3 x 20	0,21	8,9	81,3	129
08641403	3 x 14	3 x 18	0,21	9,9	127,1	175
08641203	3 x 12	3 x 16	0,21	11,3	194,6	252
08641003	3 x 10	3 x 14	0,21	14,4	261,6	364
08640403	3 x 4	3 x 12	0,21	26,0	918,6	1192
08640203	3 x 2	3 x 6	0,26	30,1	1636,6	1922

Other dimensions and colours are possible on request.

