

VFD Dual TR Type MTW and WTTC

Variable Frequency Drive -
double screened
Tray Cable and Machine-Tool Cable

NFPA 79
for industrial
machinery



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

Marking for VFD Dual TR 08620404: SAB BRÖCKSKES · D-VIERSEN ·
VFD Dual TR 4 AWG/4c 08620404 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:

Conductor:	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
Insulation:	special formulated PVC/Nylon
Color code:	black cores with consecutive white numbers and green-yellow earth wire
Stranding:	in layers
Inner sheath:	special formulated PVC
Screen:	double shield, alu foil and tinned copper braiding
Sheath material:	special sunlight and oil resistant PVC
Sheath color:	black (RAL 9005)

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

Technical data:

Voltage:	(UL) / c(UL): 600 V UL-AWM/CSA-AWM: 1000 V (UL) WTTC: 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 directive of the European Union see page N/17

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
08621804	4 x 18	0,21	9,9	64,7	141
08621604	4 x 16	0,26	10,6	86,8	169
08621404	4 x 14	0,26	11,7	150,0	230
08621204	4 x 12	0,26	12,9	197,7	291
08621004	4 x 10	0,26	17,2	321,0	491
08620804	4 x 8	0,26	22,2	476,2	772
08620604	4 x 6	0,26	26,3	712,2	1087
08620404	4 x 4	0,26	30,8	1044,4	1528
08620204	4 x 2	0,26	35,1	1533,7	2095

Other dimensions and colours are possible on request.