

Servo VFD Combo DS Type TC and WTTC Variable Frequency Drive - Tray Cable and Machine-Tool Cable with overall copper screen



Marking for Servo VFD Combo DS 08530444: SAB BRÖCKSKES · D-VIERSEN · Servo VFD Combo DS 4 AWG/4c + 16 AWG/2pr 08530444 THHN + TFFN (UL) Type TC-ER 90°C 600V, Oil I, Sunlight Resistant, Direct Burial, FT4 (UL) WTTC 90°C 1000V (UL) MTW 600V flexing AWM Style 21179 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 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:	signal cores 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 cores in layers
Wrapping:	non-woven tape
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) 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

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

item no.	dimensions		largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
	AWG	AWG				
08531614	4 x 16 + 1 x 2 x 18		0,26/0,21	11,9	152,0	209
08531604	4 x 16 + 1 x 2 x 14		0,26/0,26	13,1	192,8	259
08531464	4 x 14 + 2 x 2 x 18		0,26/0,21	17,6	287,0	390
08531414	4 x 14 + 1 x 2 x 18		0,26/0,21	12,8	195,8	253
08531404	4 x 14 + 1 x 2 x 14		0,26/0,26	14,1	231,4	308
08531264	4 x 12 + 2 x 2 x 18		0,26/0,21	18,4	330,3	447
08531214	4 x 12 + 1 x 2 x 18		0,26/0,21	14,3	238,5	333
08531204	4 x 12 + 1 x 2 x 14		0,26/0,26	15,5	310,8	401
08531064	4 x 10 + 2 x 2 x 18		0,26/0,21	19,2	415,6	552
08531004	4 x 10 + 1 x 2 x 14		0,26/0,26	17,5	396,9	512
08530864	4 x 8 + 2 x 2 x 18		0,26/0,21	23,8	559,9	805
08530804	4 x 8 + 1 x 2 x 14		0,26/0,26	22,3	551,9	774
08530644	4 x 6 + 2 x 2 x 16		0,26/0,26	26,5	816,2	1090
08530604	4 x 6 + 1 x 2 x 14		0,26/0,26	26,0	787,0	1049
08530444	4 x 4 + 2 x 2 x 16		0,26/0,26	30,9	1148,2	1510
08530404	4 x 4 + 1 x 2 x 14		0,26/0,26	29,4	1114,7	1461

Other dimensions and colours are possible on request.