

FLEXIBLE SPECIALTY CABLES

NEW & IMPROVED!

VFD Dual TR Variable Frequency Drive - double insulated shielded Tray Cable

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



Marking e.g. 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 AWM Style 21179 105°C 1000V c(UL) Type CIC 90°C dry 600V FT1 FT2 FT4 CSA AWM I/II A/B 90°C 1000V FT1 FT2 CE

VFD Dual TR is a flexible shielded motor supply cable designed for automated servo systems. This cable can be used without jacket (exposed runs). Its unique flame retardant jacket makes the VFD Dual TR rated for 600V tray cable applications also as Control and Instrumentation Cable, UL and CSA AWM approved for 1000 Volt. The VFD Dual TR is double insulated, has an inner PVC jacket as well as an outer PVC jacket and a foil and braid shield which helps with problems related to voltage spikes, harmonics, and power distortions frequently associated with variable frequency drives. The VFD Dual TR 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 VFD Dual TR 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 Dual TR 100% shielded from excessive interference. VFD Dual TR 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).

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 conductors with consecutive white numbers and green-yellow earth wire
Stranding:	in layers
Inner jacket:	special formulated PVC, color black
Screen :	double shield, alu foil and tinned copper braiding
Jacket material:	special sunlight and oil resistant PVC
Jacket color:	black

Outstanding features:

- **Interconnection of variable frequency drive control device to variable frequency motors**

Technical data:

Voltage:	(UL) / c(UL): 600 V UL-AWM/CSA-AWM: 1000 V
Testing voltage U:	conductor/conductor 7500 V conductor/screen 3000 V
Min. bending radius:	7.5 x O.D.
Temperature :	UL-AWM: up to +105°C (UL) / c(UL) / CSA-AWM: up to +90°C
Burning characteristics:	(UL) / c(UL) FT4, c(UL) / CSA-AWM FT1, FT2
Oil resistant:	yes
Sunlight resistance:	yes
Exposed Runs:	yes
Direct Burial:	yes

item no.	AWG	conductor stranding	nominal conductor diameter	nominal outer-ø inch	mm	cable weight lbs/mft
► 08621804	18/4c	(30/32)	0.097	0.390	9.9	95
► 08621604	16/4c	(29/30)	0.108	0.417	10.6	114
► 08621404	14/4c	(46/30)	0.124	0.461	11.7	155
► 08621204	12/4c	(75/30)	0.147	0.508	12.9	196
► 08621004	10/4c	(113/30)	0.186	0.677	17.2	330
► 08620804	8/4c	(180/30)	0.250	0.874	22.2	519
► 08620604	6/4c	(287/30)	0.309	1.035	26.3	731
► 08620404	4/4c	(448/30)	0.380	1.213	30.8	1027
► 08620204	2/4c	(691/30)	0.449	1.382	35.1	1408

Other dimensions and colors are possible on request.

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