

FLEXIBLE SPECIALTY CABLES

NEW & IMPROVED!

VFD Lean TR Variable Frequency Drive - shielded Tray Cable



Marking e.g. 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 AWM Style 21179 105°C 100V c(UL) Type CIC 90°C dry 600V FT1 FT2 FT4 CSA AWM I/II A/B 90°C 1000V FT1 FT2 CE

VFD Lean 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 Lean TR rated for 600V tray cable applications also as Control and Instrumentation Cable, UL and CSA AWM approved for 1000 Volt. The VFD Lean TR has 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 Lean 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 Lean 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 Lean TR 100% shielded from excessive interference. VFD Lean 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
Wrapping:	non-woven tape
Screen:	double shield, alu foil and tinned copper braiding
Jacket material:	special sunlight and oil resistant PVC
Jacket color:	black

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

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18

Outstanding features:

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

item no.	AWG	conductor stranding	nominal conductor diameter	nominal outer-ø inch	mm	cable weight lbs/mft
► 08611804	18/4c	(30/32)	0.097	0.354	9.0	75
► 08611604	16/4c	(29/30)	0.108	0.382	9.7	91
► 08611404	14/4c	(46/30)	0.124	0.417	10.6	120
► 08611204	12/4c	(75/30)	0.147	0.472	12.0	177
► 08611004	10/4c	(113/30)	0.186	0.602	15.3	278
► 08610804	8/4c	(180/30)	0.250	0.764	19.4	430
► 08610604	6/4c	(287/30)	0.309	0.941	23.9	633
► 08610404	4/4c	(448/30)	0.380	1.118	28.4	916
► 08610204	2/4c	(691/30)	0.449	1.287	32.7	1283

Other dimensions and colors are possible on request.

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Web site: www.sabcable.com