

TRAY & VFD CABLES

VFD Lean Auto TR Type TC-ER and MTW Variable frequency drive - shielded continuous flex VFD cable



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

Marking for VFD Lean Auto TR 08721404: SAB BRÖCKSKES · D-VIERSEN · VFD Lean Auto TR 14 AWG/4c 08721404 THHN (UL) Type TC-ER 90°C 600V, Oil I, Sunlight Resistant, FT4 (UL) WTTC 90°C 1000V (UL) MTW 14 AWG/4c 600V flexing AWM Style 21179 1000V c(UL) Type CIC SHIELDED 14 AWG/4c 90°C dry 600V FT1, FT2, FT4 CSA AWM I/II A/B 90°C 1000V FT1 FT2 CE

VFD Lean Auto TR is a continuous flex shielded motor supply cable designed for automated servo systems. This cable can be used without conduit (exposed runs). Its unique flame retardant jacket makes the VFD Lean Auto TR rated for 600V suitable for tray cable applications and also as Control and Instrumentation Cable, C and CSA AWM approved for 1000 V. The VFD Lean Auto TR has an outer PVC jacket and an inner braided shield which helps with problems related to voltage spikes, harmonics, and power distortions frequently associated with variable frequency drives. The VFD Lean Auto TR cable is used to connect alternating current variable frequency drives to alternating current variable frequency motors and is recommended to make installations less cumbersome. This motor supply cable is also suitable for installation in wet or dry locations and is UL resistant. The VFD Lean Auto TR can be used in indoor or outdoor applications and is rated for recreational. The combination of the braided and foil shield makes the VFD Lean Auto TR 100% shielded from excessive interference. VFD Lean Auto 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 accordance with UL standard and NEC Article 336 (392, 501). Wind turbine power and control cable is intended to be installed in cable trays or raceways within a wind turbine generator.

Construction:

Conductor:	tinned copper strands acc. to IEC 60228 class 6
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

Outstanding features:

- interconnection of variable frequency drive control device to variable frequency motors
- designed for continuous flexing
- WTTC: UL subject 2277
- TC: UL standard 1277
- (UL)/(cUL) listed

Technical data:

Voltage:	(UL) / c(UL): 600 V UR-AWM/CSA-AWM: 1000 V (UL) WTTC: 1000 V
Testing voltage:	conductor/conductor 4000 V conductor/screen 3000 V
Min. bending radius:	12 x O.D.
Temperature:	UR-AWM: (UL) / c(UL) / CSA-AWM: up to +105°C up to +90°C <i>static:</i> -25°C
Burning characteristics:	(UL) / c(UL) FT4, c(UL) / CSA-AWM FT1, FT2
Oil resistance:	yes
Sunlight resistance:	yes
Exposed Runs:	yes
Machinery Area:	yes
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

E
33

item no.	AWG/c	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
➤ 08721604	16/4c	0.382	9.7	91
➤ 08721404	14/4c	0.417	10.6	120
➤ 08721204	12/4c	0.472	12.0	177
➤ 08721004	10/4c	0.602	15.3	278
➤ 08720804	8/4c	0.764	19.4	430
➤ 08720604	6/4c	0.941	23.9	633
➤ 08720404	4/4c	1.118	28.4	916
➤ 08720204	2/4c	1.287	32.7	1283

Other dimensions and colors are possible on request.