

Compliant with NFPA 79
2018: Article "4.2.2.8
Circuits Supplied from Power
Conversion Equipment"

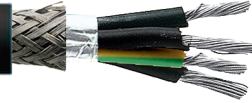
TRAY & VFD CABLES



VFD XLPE TR Lean Type TC-ER

Variable frequency drive -
double shielded VFD cable
with XLPE insulation

600V FT4, CSA AWM I/II A/B 90C 1000V FT4 RoHS CE



Marking for VFD XLPE TR 35661404:

SAB NORTH AMERICA VFD XLPE TR LEAN P/N 35661404 (UL) Type TC-ER 14AWG/3C XHHW-2 CDRS + GNDG CDR 90C Dry/Wet 600V, Oil Res I & II, Sunlight Resistant, Direct Burial, (UL) WTTC 1000V, (UL) Flexible Motor Supply Cable, c(UL) CIC-TC XLPE 600V FT4, CSA AWM I/II A/B 90C 1000V FT4 RoHS CE

VFD XLPE TR Lean is a flexible shielded motor supply cable designed for adjustable speed drives and servo systems. The cores are insulated with cross linked insulation providing better heat resistance, low capacitance and better protection against corona discharge. VFD XLPE TR Lean is UL TC-ER, 600V, UL WTTC, UL flexible motor supply cable 1000V, c(UL) CIC/TC, & UL/CSA AWM approved up to 1000V and is 100% shielded with both a foil and braided shield making this cable resistant to Electromagnetic Interference (EMI) from voltage spikes, harmonics, and power distortions frequently associated with variable frequency drives. This cable can be used both indoors and outdoors within or without conduit (exposed runs) up to any length. Its unique flame retardant jacket makes the VFD XLPE TR Lean approved for both cable tray (TC) applications as well as control and instrumentation applications. VFD XLPE TR Lean is suitable for installations in wet or dry locations, is UV resistant, and is rated for direct burial. VFD XLPE TR Lean is permitted to be used in hazardous (classified) locations Class I, Division 2 per NEC Article 501.4 (B), and is UL Type WTTC in acc. with UL standard 2277. Wind Turbine power and control cable (WTTC) is intended to be installed in cable trays or raceways within a wind turbine generator.

Construction:

Conductor:	tinned copper strands class K
Insulation:	special formulated crosslinked PE, earth wire PVC
Color code:	black conductors with consecutive white numbers and green-yellow earth wire
Stranding:	in layers
Screen:	double shield, AMA foil and tinned copper braiding
Jacket material:	special sunlight and oil resistant copolymer
Jacket color:	black

Outstanding features:

- interconnection of variable frequency drive control device to variable frequency motors
- UL 90°C wet
- WTTC: UL subject 2277
- TC-ER: UL standard 1277
- UL flexible motor supply cable 1000V recommended for installations up to 100ft
- Oil Res I & II
- double shield (100% shielded)

Technical data:

Voltage:	(UL) / c(UL): 600 V CSA-AWM: 1000 V (UL) WTTC: 1000 V
Testing voltage:	3000 V
Min. bending radius:	12 x O.D.
Temperature:	(UL) / c(UL) / CSA-AWM: up to +90°C static: -40/+105°C
Burning characteristics:	(UL) / c(UL) FT4, c(UL) / CSA-AWM FT1, FT2
Oil resistance:	yes
Sunlight resistance:	yes
Exposed Runs:	yes
Cold bend test:	-40°C
Direct Burial:	yes
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	AWG/c	nominal outer- inch 10%	outer- mm 10%	cable weight ≈ lbs/mft
➤ 35661804	18/4c	0.383	9.7	94
➤ 35661604	16/4c	0.423	10.7	120
➤ 35661404	14/4c	0.468	11.9	153
➤ 35661204	12/4c	0.530	13.4	207
➤ 35661004	10/4c	0.606	15.4	286
➤ 35660804	8/4c	0.814	20.7	471



- Temperature resistant down to **-40°C.**
- Heavy duty application.

Other dimensions and colors are possible on request

For longer runs, call your SAB sales specialist

E-mail: info@sabcable.com



Web site: www.sabcable.com