NFPA 79 for industrial machinery

SAB VFD

VFD XLPE TR Lean

Variable frequency drive - double shielded VFD cable with XLPE insulation
Type TC-ER-JP

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

Marking for VFD XLPE TR LEAN 35661404:
SAB NORTH AMERICA VFD XLPE TR LEAN P/N 35661404 (UL) Type TC-ER-JP 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

Construction:

Conductor:	tinned copper strands class K
Insulation:	special formulated crosslinked PE, ground wire PVC
Color code:	black conductors with consecutive white numbers and green/yellow ground
Stranding:	in layers
Shielding:	double shield, AMA foil and tinned copper braiding
Jacket material:	special sunlight and oil resistant copolymer
Jacket color:	black (RAL 9005)

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 1000 V**
- **recommended for installations up to 100ft**
- **Oil Res I & II**
- **double shielded (100% shielded)**
- **UL TC-ER-JP (joist pull)***
- **Class 1 Div 2 per NEC Article 501.4 (B)**

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 range:	**(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 I & II:	yes
Sunlight resistance:	yes
Exposed runs:	yes
Cold bend test:	-40°C
Direct burial:	yes
Approvals:	UL TC-ER-JP, UL WTTC, c(UL) CIC-TC, CSA AWM, CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	AWG/c	nominal outer-ø inch 10%	nominal outer-ø 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	13.5	207
▶ 35661004	10/4c	0.606	15.4	286
▶ 35660804	8 /4c	0.814	20.7	471

Other dimensions and colors are possible on request.

* UL TC-ER-JP (joist pull) added Sept. 1, 2021

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

SPECIAL CABLES SAB North America
www.sabcable.com
866-722-2974 ■ info@sabcable.com