

# VFD Cables

## VFD XLPE TR Lean

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



Marking for VFD XLPE TR LEAN 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

### Construction:

<b>Conductor:</b>	tinned copper strands class K
<b>Insulation:</b>	special formulated crosslinked PE, ground wire PVC
<b>Color code:</b>	blackish gray conductors with consecutive white numbers and green/yellow ground
<b>Stranding:</b>	in layers
<b>Shielding:</b>	double shield, AMA foil and tinned copper braiding
<b>Jacket material:</b>	special sunlight and oil resistant copolymer
<b>Jacket color:</b>	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)
- Class 1 Div 2 per NEC Article 501.4 (B)

### Technical data:

<b>Voltage:</b>	(UL) / c(UL): 600 V
	CSA-AWM: 1000 V
	(UL) WTTC: 1000 V
<b>Testing voltage:</b>	3000 V
<b>Min. bending radius:</b>	12 x O.D.
<b>Temperature range:</b>	(UL) / c(UL) / CSA-AWM: up to +90°C
<i>static:</i>	-40/105°C
<b>Burning characteristics:</b>	(UL) / CSA FT4
<b>Oil resistance I &amp; II:</b>	yes
<b>Sunlight resistance:</b>	yes
<b>Exposed runs:</b>	yes
<b>Cold bend test:</b>	-40°C
<b>Direct burial:</b>	yes
<b>Approvals:</b>	UL TC-ER, UL WTTC, c(UL) CIC-TC, CSA AWM, CE, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

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item no.	AWG/c	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% mm	
▶ 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

2 conductor cable does not have ground

Other dimensions and colors are available on request

\* UL TC-ER-JP (joist pull) available upon request



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