

# VFD Cables

## VFD XLPE Auto TR

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



Marking for VFD XLPE Auto TR 35781404:

SAB NORTH AMERICA VFD XLPE Auto TR 14 AWG/4C P/N 35781404 (UL) Type TC-ER 14AWG/4C RHW-2 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 M
<b>Insulation:</b>	special formulated crosslinked PE
<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)

### 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

### 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
- crosslinked conductors, better for longer installations
- Oil Res I & II
- double shielded (100% shielded)
- Class 1 Div 2 per NEC Article 501.4 (B)

item no.	AWG/c	outer-ø		cable weight ≈lbs/mft
		±10% inch	±10% mm	
▶ 35781604	16/4c	0.512	13.0	129
▶ 35781404	14/4c	0.569	14.5	164
▶ 35781204	12/4c	0.646	16.4	220
▶ 35781004	10/4c	0.704	17.9	303
▶ 35780804	8/4c	0.909	23.1	567
▶ 35780604	6/4c	0.988	25.1	758
▶ 35780404	4/4c	1.173	29.8	1111

2 conductor cable does not have ground  
Other dimensions and colors are available on request



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