

# Tray & VFD Cables

## VFD Symmetrical XLPE TR

Variable frequency drive - double shielded VFD cable with XLPE insulation and 3 symmetrical grounds, Type TC-ER



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



Marking for VFD Symmetrical XLPE TR 35681003:

SAB NORTH AMERICA VFD Symmetrical XLPE TR P/N 35681003 (UL) TC-ER 10AWG/3C RHW-2 CDRS + 3 x 14 AWG GNDS 90C Dry/Wet, Oil Resistant 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
<b>Color code:</b>	blackish gray conductors with consecutive white numbers
<b>Stranding:</b>	in layers with 3 tinned ground wires in the interstices
<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) / c(UL) FT4, c(UL) / CSA-AWM FT1, FT2
<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

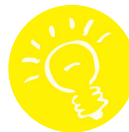
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### Outstanding features:

- interconnection of variable frequency drive control device to variable frequency motors
- WTTC approval
- finer strand for better flexibility
- 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)
- 3 symmetrical grounds
- Class 1 Div 2 per NEC Article 501.4 (B)

item no.	AWG/c kcmil/c	ground wire n x AWG	nominal outer-ø		cable weight ≈lbs/mft
			inch 10%	mm 10%	
▶ 35681403	14/3c	3x18	0.501	12.7	170
▶ 35681203	12/3c	3x16	0.570	14.5	230
▶ 35681003	10/3c	3x14	0.642	16.3	312
▶ 35680803	8/3c	3x14	0.811	20.6	465
▶ 35680603	6/3c	3x12	0.954	24.2	674
▶ 35680403	4/3c	3x12	1.062	27.0	877
▶ 35680203	2/3c	3x10	1.226	31.1	1266
▶ 35680103	1/3c	3x8	1.305	33.1	1545
▶ 35681103	1/0-3c	3x8	1.408	35.8	1757
▶ 35682103	2/0-3c	3x8	1.507	38.3	2167
▶ 35683103	3/0-3c	3x6	1.601	40.7	2508
▶ 35684103	4/0-3c	3x6	1.890	48.0	3060
▶ 35682503	250/3c	3x6	2.005	50.9	3680
▶ 35683503	350/3c	3x2	2.231	56.7	5170
▶ 35685003	500/3c	3x2	2.490	63.2	6353

Other dimensions and colors are possible on request.



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