

# VFD Cables

## VFD XLPE 2KV TR

Variable frequency drive - shielded VFD cable with three ground wires, 2 kV  
Type TC-ER



Marking for VFD XLPE 2KV TR 8692103:

SAB NORTH AMERICA P/N 8692103 2/0 AWG/3/C RHW-2 2000V 3x6 AWG GNDS Shielded Type TC-ER SUN RES DIR BUR

### Construction:

<b>Conductor:</b>	uncoated annealed copper strands acc. to ASTM B-3 and B-8
<b>Insulation:</b>	special formulated crosslinked PE
<b>Color code:</b>	black conductors with numbers with three ground wires
<b>Stranding:</b>	in layers with three uninsulated bare ground wires in the filler
<b>Shielding:</b>	uncoated 5mil copper tape shield with 50% overlap
<b>Jacket material:</b>	special sunlight resistant and flame retardant PVC
<b>Jacket color:</b>	black (RAL 9005)

### Outstanding features:



- interconnection of variable frequency drive control device to variable frequency motors
- RHW-2: UL standard 44
- TC-ER: UL standard 1277
- IEEE 1202/FT4
- three bare ground wires for optimal performance
- Class 1 Div 2 per NEC Article 501.4 (B)

### Technical data:

<b>Voltage:</b>	(UL): 2000 V
<b>Testing voltage:</b>	7500 V
<b>Min. bending radius:</b>	15 x O.D.
<b>Temperature range:</b>	(UL): up to +90°C -25°C
<i>static:</i>	
<b>Burning characteristics:</b>	(UL) FT4
<b>Sunlight resistance:</b>	yes
<b>Moisture resistance:</b>	yes
<b>Exposed runs:</b>	yes
<b>Direct burial:</b>	yes
<b>Approvals:</b>	UL TC-ER, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

item no.	AWG/c kcmil/c	ground wire n x AWG	outer-ø		cable weight ≈lbs/mft
			±10% inch	±10% mm	
▶ 8690203	1/3c	3x8	1.266	32.2	1465
▶ 8691103	1/0-3c	3x6	1.384	35.2	1822
▶ 8692103	2/0-3c	3x6	1.476	37.5	2130
▶ 8693103	3/0-3c	3x5	1.582	40.2	2650
▶ 8694103	4/0-3c	3x4	1.800	45.7	3251
▶ 8692503	250/3c	3x2	1.978	50.2	3760
▶ 8692513	250/3c	3x4	1.835	46.6	3720
▶ 8693503	350/3c	3x2	2.130	54.1	5025
▶ 8695003	500/3c	3x1	2.402	61.0	6805

Other dimensions and colors are possible on request