

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:

Conductor:	tinned copper strands class M
Insulation:	special formulated crosslinked PE
Color code:	blackish gray 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)

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
<i>static:</i>	-40/105°C
Burning characteristics:	(UL) / CSA FT4
Oil resistance I & II:	yes
Sunlight resistance:	yes
Exposed runs:	yes
Cold bend test:	-40°C
Direct burial:	yes
Approvals:	UL TC-ER, 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

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