

Tray & VFD Cables

VFD XLPE TR D

Variable frequency drive - double shielded VFD cable with drain wire and XLPE insulation, Type TC-ER

NFPA 79
for industrial
machinery



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



Marking for VFD XLPE TR D 35681404D:

SAB NORTH AMERICA VFD XLPE TR D P/N 35681404D (UL) Type TC-ER-JP 14AWG/3C RHW-2 CDRS + GNDG CDR 90C Dry/Wet 600V, Oil Res I & II, Sunlight Resistant, Direct Burial, (UL) WTTTC 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 K
Insulation:	special formulated crosslinked PE, ground wire PVC
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 and drain wire
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) WTTTC: 1000 V
Testing voltage:	3000 V
Min. bending radius:	12 x O.D.
Temperature range:	(UL) / c(UL) / CSA-AWM: up to +90°C -40/105°C
static:	
Burning characteristics:	(UL) / c(UL) FT4, c(UL) / CSA-AWM FT1, FT2
Oil resistance I & II:	yes
Sunlight resistance:	yes
Exposed runs:	yes
Cold bend test:	-40°C
Direct burial:	yes
Approvals:	UL TC-ER-JP, UL WTTTC, CSA CIC-TC, CSA CIC, 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
- WTTTC: 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)
- drain wire included
- UL TC-ER-JP (joist pull)*
- Class 1 Div 2 per NEC Article 501.4 (B)

item no.	AWG/c	drain wire AWG	nominal outer-ø inch 10%	mm 10%	cable weight ≈lbs/mft
▶ 35681604D	16/4c	16	0.493	12.5	144
▶ 35681404D	14/4c	14	0.522	13.3	180
▶ 35681204D	12/4c	12	0.592	15.0	237
▶ 35681004D	10/4c	10	0.680	17.3	327
▶ 35680804D	8/4c	4x14	0.886	22.5	620
▶ 35680604D	6/4c	4x12	0.974	24.7	805
▶ 35680404D	4/4c	4x10	1.090	27.7	1150
▶ 35680204D	2/4c	4x8	1.247	31.7	1600

Other dimensions and colors are possible on request.

* UL TC-ER-JP (joist pull) added Sept. 1, 2021



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