

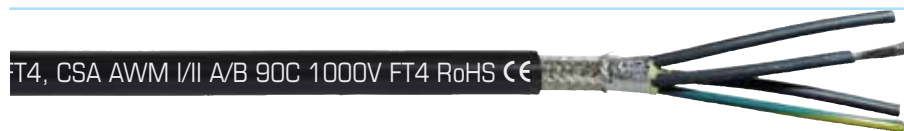
Servo Motor Cables

VFD XLPE TR type TC-ER

Variable frequency drive – double shielded VFD cable with XLPE insulation

NFPA 79
for industrial plants

SABVFD



marking example:

SAB NORTH AMERICA VFD XLPE TR P/N 35681404 (UL) Type TC-ER 14AWG/3C RHW-2 CDRS + GNDG CDR 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

Application: VFD XLPE TR is a flexible shielded motor supply cable designed for adjustable speed drives and servo systems. The cores are insulated with a thicker cross linked insulation providing better heat resistance, low capacitance and better protection against corona discharge.

Construction:

Conductor:	tinned copper strands class K
Insulation:	crosslinked PE, earth wire: PVC
Colour code:	blackish cores with consecutive numbers and green-yellow earth wire
Stranding:	in layers
Screen:	double shield, AMA foil and tinned copper braiding
Sheath material:	special sunlight and oil resistant copolymer
Sheath colour:	black (RAL 9005)

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
- » flexible UL-motor connection cable 1000 V
- » crosslinked conductors, better for longer installations
- » oil resistance I & II
- » double shield (100% shielded)
- » Class 1 Div 2 per NEC Article 501.4 (B)

Technical data:

Voltage (UL) / c(UL):	600 V
CSA-AWM / (UL) WTTC:	1000 V
Testing voltage:	3000 V
Min. bending radius:	12 x d
Temperature range	(UL) / c(UL) / CSA-AWM: up to +90 °C -40/+105 °C
fixed laying:	
Fire performance:	(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
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

item no.	cross section/ no. of cores AWG/c	outer-ø ± 10% mm	cable weight ≈ kg/km
35681604	16/4c	12,1	125
35681404	14/4c	13,3	159
35681204	12/4c	15,0	214
35681004	10/4c	17,3	294
35680804	8/4c	22,5	556
35680604	6/4c	24,6	736
35680404	4/4c	27,7	1079
35680204	2/4c	31,7	1550
35680104	1/4c	36,7	1190
35681104	1/0-4c	39,8	2168
35682104	2/0-4c	42,2	2550
35683104	3/0-4c	46,5	3135
35684104	4/0-4c	52,9	3844
35682504	250/4c	56,3	4566
35683504	350/4c	62,8	6106
35685004	500/4c	79,3	8609

Other dimensions and colours are possible on request.

UL TC-ER-JP (joist pull) available on request.

Temperature resistant down to -40°C
Heavy duty application