TRAY & VFD CABLES

VFD Combo _{Type TC-ER} **XI PF**

Variable frequency drive double shielded VFD cable with XLPE insulation and shielded pair

A AWM I/II A/B 90°C 1000V FT1 FT2 CE

Article d from FO

RnH





Marking for VFD Combo XLPE 35691404:

SAB NORTH AMERICA VFD Combo XLPE P/N 35691404 (UL) Type TC-ER 14AWG/3C RHW-2 CDRS + GNDG CDR + 14AWG/1PR 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 €€

VFD Combo XLPE is a flexible shielded motor supply cable designed for adjustable speed drives and servo systems. Included is an individually shielded pair for wiring a brake or temperature sensor. The cores are insulated with a thicker cross linked insulation providing better heat resistance, low capacitance and better protection against corona discharge. VFD Combo XLPE is UL TC-ER, 600V, UL WTTC, UL flexible motor supply cable 1000V, c(UL) CIC/TC, & UL/CSA AWM approved up to 1000V and is 100% shielded with both a foil and braided shield making this cable resistant to Electromagnetic Interference (EMI) from voltage spikes, harmonics, and power distortions frequently associated with variable frequency drives. This cable can be used both indoors and outdoors within or without conduit (exposed runs) up to any length. Its unique flame retardant jacket makes the VFD Combo XLPE approved for both cable tray (TC) applications as well as control and instrumentation applications. VFD Combo XLPE is suitable for installations in wet or dry locations (90°C), is UV resistant, and is rated for direct burial. VFD Combo XLPE is permitted to be used in hazardous (classified) locations Class 1 Division 2 per NEC Article 501.4 (B), and is UL Type WTTC in acc. to UL standard 2277. Wind Turbine power and control cable (WTTC) is intended to be installed in cable trays or raceways within a wind turbine generator.

static

Direct Burial:

harmful substances:

Absence of

Construction:

Conductor:	tinned copper strands class K						
Insulation:	special formulated crosslinked PE, earth wire PVC, pair PVC/nylon						
Color code:	black conductors with consecutive white numbers and green-yellow earth wire, pair is black with white #5 and #6						
Stranding:	in layers						
Screen (pair):	aluminum foil and drain wire (drain wire same size as pair)						
Screen (overall):	double shield, AMA foil and tinned copper braiding						
Jacket material:	special sunlight and oil resistant copolymer						
Jacket color:	black						

Voltage: (UL) / c(UL): CSA-AWM: 600 V 1000 V (UL) WTTC: 1000 V Testing voltage: 3000 V Min. bending radius: 12 x O.D (UL) / c(UL) / CSA-AWM: Temperature: up to +90°C -40/+105°C (UL) / c(UL) FT4, c(UL) / CSA-AWM FT1, FT2 Burning characteristics: Oil resistance: yes Sunlight resistance: yes Exposed Runs: yes Cold bend test:

Technical data:

Outstanding features:

- interconnection of variable frequency > drive control device to variable frequency motors
- shielded pairs for a brake or > temperature sensor
- WTTC approval >
- WTTC: UL subject 2277 >
- TC-ER: UL standard 1277 >
- UL flexible motor supply cable 1000V
- crosslinked conductors,
- better for longer installations
- Oil Res I & II

- double shield (100% shielded) >
- rated for UL 90°C wet



-40°C

see page O/30

yes

► Temperature resistant down to - 40°C

Heavy duty application.

acc. to RoHS directive of the European Union

item no.	AWG/c	AWG/pair	nominal inch	outer-ø mm	cable weight ≈ lbs/mft	item no.	AWG/c	AWG/pair	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
> 35691614	16/4c	18/1pr	0.573	14.6	144	> 35691064	10/4c	18/2pr	0.762	19.4	383
35691414	14/4c	18/1pr	0.616	15.6	175	> 35690804	8/4c	14/1pr	0.960	24.4	536
35691404	14/4c	14/1pr	0.628	16.0	213	> 35690864	8/4c	18/2pr	0.961	24.4	576
35691464	14/4c	18/2pr	0.662	16.8	254	> 35690604	6/4c	14/1pr	1.030	26.2	726
35691214	12/4c	18/1pr	0.654	16.6	231	> 35690664	6/4c	16/2pr	1.032	26.2	766
35691204	12/4c	14/1pr	0.667	16.9	277	> 35690404	4/4c	14/1pr	1.140	29.0	1011
35691264	12/4c	18/2pr	0.698	17.7	299	> 35690204	2/4c	14/1pr	1.280	32.5	1401
35691004	10/4c	14/1pr	0.736	18.7	354		Other	dimensions a	nd colors are	nossihla	on request

ther dimensions and colors are possible on request







