

TECK90 VFD ElectroDrive®

Copper 1000V



3 Conductor TECK90 VARIABLE FREQUENCY DRIVE 1000V CSA FT4

3C	Part No.	Power Conductor	3 Bonding Conductors	Insulation Thickness		Inner Jacket O.D.		Armour O.D.		Cable O.D.		Cable Weight		Max Pulling Tension		Min Bend Radius		Ampacity
		AWG/kcmil	AWG	in	mm	in	mm	in	mm	in	mm	lbs/Mft	kg/km	lbs	kg	in	mm	A
	T1XAACS14-VFD	14	3 x 18	0.045	1.1	0.363	9.2	0.453	11.5	0.735	18.7	241	359	102	46	8.8	224	25
	T1XAACS12-VFD	12	3 x 16	0.045	1.1	0.399	10.1	0.489	12.4	0.771	19.6	289	430	156	71	9.3	235	30
	T1XAACS10-VFD	10	3 x 14	0.045	1.1	0.449	11.4	0.569	14.4	0.851	21.6	385	573	249	113	10.2	259	40
	T1XAACS8-VFD	8	3 x 14	0.045	1.1	0.492	12.5	0.612	15.5	0.894	22.7	483	718	454	206	10.7	272	55
	T1XAACS6-VFD	6	3 x 12	0.060	1.5	0.631	16.0	0.751	19.1	1.065	27.1	654	974	629	285	12.8	325	75
	T1XAACS4-VFD	4	3 x 12	0.060	1.5	0.752	19.1	0.912	23.2	1.226	31.1	904	1345	1001	454	14.7	374	95
	T1XAACS3-VFD	3	3 x 10	0.060	1.5	0.810	20.6	0.970	24.6	1.304	33.1	1130	1682	1263	573	15.6	397	115
	T1XAACS2-VFD	2	3 x 10	0.060	1.5	0.876	22.3	1.036	26.3	1.370	34.8	1299	1934	1594	723	16.4	418	130
	T1XAACS1-VFD	1	3 x 10	0.080	2.0	1.005	25.5	1.165	29.6	1.554	39.5	1575	2344	2010	912	18.7	474	145
	T1XAACS1/0-VFD	1/0	3 x 10	0.080	2.0	1.076	27.3	1.236	31.4	1.641	41.7	1870	2783	2531	1148	19.7	500	170
	T1XAACS2/0-VFD	2/0	3 x 10	0.080	2.0	1.165	29.6	1.325	33.6	1.730	43.9	2171	3230	3195	1449	20.8	527	195
	T1XAACS3/0-VFD	3/0	3 x 8	0.080	2.0	1.255	31.9	1.415	35.9	1.820	46.2	2638	3926	4029	1828	21.8	555	225
	T1XAACS4/0-VFD	4/0	3 x 8	0.080	2.0	1.397	35.5	1.557	39.5	1.962	49.8	3145	4680	5075	2302	23.5	598	260
	T1XAACS250-VFD	250	3 x 8	0.090	2.3	1.558	39.6	1.778	45.2	2.208	56.1	3827	5696	6000	2722	26.5	673	290
	T1XAACS350-VFD	350	3 x 6	0.090	2.3	1.795	45.6	2.004	50.9	2.554	64.9	5229	7781	8407	3813	30.6	778	350
	T1XAACS500-VFD	500	3 x 6	0.090	2.3	2.061	52.4	2.281	57.9	2.831	71.9	6909	10282	11990	5439	34.0	863	430
	T1XAACS750-VFD	750	3 x 6	0.090	2.3	2.533	64.3	2.629	66.8	3.193	81.1	9856	14668	18005	8167	38.3	973	535

Ampacity values based on CE Code Part I 2024, Table 2. Correction factors may apply. Dimensions and weights are nominal and subject to change without notice.

Specifications and Compliances

- CSA C22.2 No. 131 (Type TECK90)
- CSA C22.2 No. 38, Thermoset-insulated wires and cables (Type RW90)
- CSA C22.2 No. 174, Cables and cable glands for use in hazardous locations (HL)
- CSA C22.2 No. 2556 FT4, UL 1685 Vertical-Tray Flame Test
- IEEE 383 & 1202, ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test rated
- -40°C Cold Bend and -40°C Cold Impact
- Sunlight Resistant, SUN RES and Low Acid Gas, AG14

Conductor Stranded Soft Copper, ASTM B8

Insulation Cross-linked Polyethylene (XLPE)
CSA Type XL 90°C dry/wet 1000V

Shielding Helically Applied Bare Copper Tape

Bonding Tri-Sectional Stranded Bare Soft Copper,
ASTM B8

Armour

Aluminum (AIA) or Galvanized Steel (SIA)
Interlock Armour

Jacket

Low Acid Gas Polyvinyl Chloride (PVC)
Inner and Outer Jackets

Colour Code

Black, Red & Blue or Black with White Numbers

Applications

- For use in raceways, ventilated, non-ventilated and ladder-type cable trays.
- For dry, damp or wet locations, in ceiling air-handling plenums, direct burial, exposed and concealed wiring.
- Approved for all Hazardous Locations (HL) as per CE Code Part I 2024 Section 18, when installed with approved connectors.
- For use with variable frequency drives requiring precise motor control and energy efficiency. Designed to manage high-frequency voltage spikes, electromagnetic interference (EMI) and harmonic distortion.

CUSTOM ORDER OPTIONS



Made In Canada



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