TECK90 VFD ElectroDrive®

Copper 1000V

TECK90 | FLAME RATING | LOW TEMP | HIGH TEMP | UV RESISTANT | WET LOCATION | CHEMICAL RESISTANT | OIL RESISTANT | IMPACT RESISTANT | CABLE TRAY | EXPOSED RUN | DIRECT BURIAL | HAZARDOUS LOCATION

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	0.459	11.7	0.657	16.7	0.747	19.0	263	391	102	46	9.0	228	25
T1XAACS12-VFD	12	3 x 16	0.045	1.1	0.495	12.6	0.693	17.6	0.783	19.9	315	469	156	71	9.4	239	30
T1XAACS10-VFD	10	3 x 14	0.045	1.1	0.575	14.6	0.773	19.6	0.863	21.9	406	604	249	113	10.4	263	40
T1XAACS8-VFD	8	3 x 14	0.045	1.1	0.618	15.7	0.816	20.7	0.906	23.0	488	726	454	206	10.9	276	55
T1XAACS6-VFD	6	3 x 12	0.060	1.5	0.767	19.5	0.997	25.3	1.087	27.6	689	1026	629	285	13.0	331	75
T1XAACS4-VFD	4	3 x 12	0.060	1.5	0.907	23.0	1.137	28.9	1.227	31.2	925	1376	1001	454	14.7	374	95
T1XAACS3-VFD	3	3 x 10	0.060	1.5	0.976	24.8	1.226	31.1	1.316	33.4	1163	1730	1263	573	15.8	401	115
T1XAACS2-VFD	2	3 x 10	0.060	1.5	1.023	26.0	1.273	32.3	1.363	34.6	1284	1911	1594	723	16.4	415	130
T1XAACS1-VFD	1	3 x 10	0.080	2.0	1.185	30.1	1.490	37.8	1.58	40.1	1602	2383	2010	912	19.0	482	145
T1XAACS1/0-VFD	1/0	3 x 10	0.080	2.0	1.266	32.2	1.571	39.9	1.677	42.6	1945	2894	2531	1148	20.1	511	170
T1XAACS2/0-VFD	2/0	3 x 10	0.080	2.0	1.357	34.5	1.662	42.2	1.768	44.9	2166	3223	3195	1449	21.2	539	195
T1XAACS3/0-VFD	3/0	3 x 8	0.080	2.0	1.460	37.1	1.765	44.8	1.871	47.5	2580	3839	4029	1828	22.5	570	225
T1XAACS4/0-VFD	4/0	3 x 8	0.080	2.0	1.563	39.7	1.868	47.4	1.974	50.1	3042	4527	5075	2302	23.7	602	260
T1XAACS250-VFD	250	3 x 8	0.090	2.3	1.776	45.1	2.106	53.5	2.212	56.2	3736	5560	6000	2722	26.5	674	290
T1XAACS350-VFD	350	3 x 6	0.090	2.3	2.083	52.9	2.503	63.6	2.639	67.0	5112	7608	8407	3813	31.7	804	350
T1XAACS500-VFD	500	3 x 6	0.090	2.3	2.253	57.2	2.673	67.9	2.809	71.3	6696	9965	11990	5439	33.7	856	430
T1XAACS750-VFD	750	3 x 6	0.090	2.3	2.629	66.8	3.049	77.4	3.199	81.3	9590	14271	18005	8167	38.4	975	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 wet/dry 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.

RoHS COMPLIANT | REACH COMPLIANCE | intertek | Made In Canada

CUSTOM ORDER OPTIONS

FT4 ST1 FLAME RATING | LIMITED SMOKE | HALOGEN FREE | SIA STEEL ARMOUR

Electro cables