CVTC® VFD

XLPE/PVC, Low-Voltage Power, Shielded
2000 V, UL Type TC-ER[1]—Method 4 Color Code

Product Construction:

Conductor:
- 14 AWG thru 500 kcmil fully annealed tinned stranded copper
- Class B stranding per ASTM B8

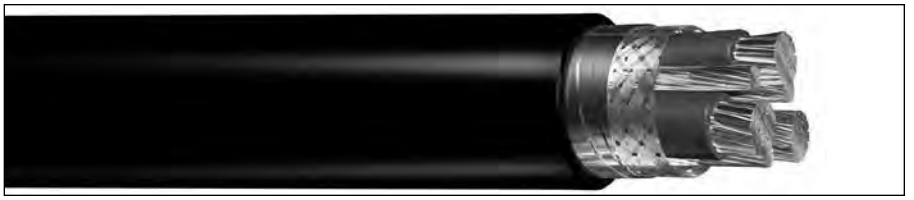
Insulation:
- Flame-retardant Cross-linked Polyethylene (XLPE)—90°C, VW-1
- Color-coded per ICEA Method 4; individual conductors colored black with conductor number surface printed in contrasting ink

Ground:
- 3 symmetrically placed annealed tinned copper conductors in direct contact with shield
- Class B stranding per ASTM B8

Dual Shield:
- Overall tinned copper braided shield in conjunction with an aluminum/polymer tape shield

Jacket:
- Lead-free, flame-retardant, sunlight-resistant Polyvinyl Chloride (PVC)

Applications:
- For use with AC motors controlled by pulse-width modulated inverter in VFD applications rated up to 2000 volts. These motor drive systems require cables that are designed to prevent radio frequency interference (RFI) which can lead to malfunction



Applications (cont'd.):
- In raceways, cable trays or direct burial
- In wet or dry locations
- Permitted for use in Class I, Division 2 industrial hazardous locations per NEC
- Permitted for Exposed Run (ER) use in accordance with NEC

Features:
- Rated at 90°C wet or dry
- Dual shield provides maximum shield coverage required for Variable Frequency Drive (VFD) applications
- Meets cold bend test at -25°C
- Meets crush and impact requirements to Type MC cable
- Abrasion- and chemical-resistant
- Excellent electrical properties
- Sunlight- and weather-resistant

Compliances:
Industry Compliances:
- UL 1277 Type TC-ER, UL File # E57179
- UL Type RHH or RHW-2 conductors per UL 44

Flame Test Compliances:
- UL 1581/UL 2556 VW-1
- UL 1685 Vertical Flame Test
- IEEE 383
- IEEE 1202
- ICEA T-29-520

Other Compliances:
- EPA 40 CFR, Part 261 for leachable lead content per TCLP
- OSHA Acceptable
- RoHS Compliant

Packaging:
- Material cut to length and shipped on non-returnable wood reels

CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG/ kcmil)	COND. STRAND	GROUND WIRE SIZE (AWG)	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
					INCHES	mm	INCHES	mm	INCHES	mm	LBS/ 1000 FT	kg/km	LBS/ 1000 FT	kg/km
14 AWG - 500 kcmil CONDUCTORS														
384730*	3	14	7W	3 x 18	0.060	1.52	0.060	1.52	0.565	14.35	79	118	190	283
384740*	3	12	7W	3 x 16	0.060	1.52	0.060	1.52	0.605	15.37	114	170	236	351
384750*	3	10	7W	3 x 14	0.060	1.52	0.060	1.52	0.665	16.89	172	256	313	466
384760*	3	8	7W	3 x 14	0.070	1.78	0.060	1.52	0.785	19.94	234	348	420	625
384770*	3	6	7W	3 x 12	0.070	1.78	0.080	2.03	0.910	23.11	354	527	605	900
384780*	3	4	7W	3 x 12	0.070	1.78	0.080	2.03	1.010	25.65	507	755	800	1191
384790*	3	2	7W	3 x 10	0.070	1.78	0.080	2.03	1.315	28.83	783	1165	1126	1676
384800*	3	1/0	19W	3 x 6	0.090	2.29	0.080	2.03	1.390	35.31	1251	1861	1832	2726
384810*	3	2/0	19W	3 x 6	0.090	2.29	0.080	2.03	1.490	37.85	1511	2248	2134	3175
384820*	3	3/0	19W	3 x 5	0.090	2.29	0.080	2.03	1.595	40.51	1897	2823	2553	3799
384830*	3	4/0	19W	3 x 4	0.090	2.29	0.110	2.79	1.775	45.09	2355	3504	3254	4842
384840*	3	250	37W	3 x 4	0.105	2.67	0.110	2.79	1.940	49.28	2719	4046	3726	5544
384850*	3	350	37W	3 x 2	0.105	2.67	0.110	2.79	2.160	54.86	3883	5778	5040	7500
384860*	3	500	37W	3 x 1	0.105	2.67	0.110	2.79	2.440	61.98	5507	8194	6809	10132

Dimensions and weights are nominal; subject to industry tolerances.
* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.
[1] Approved as TYPE TC-ER for Exposed Run applications of 3 or more conductors as defined by NEC.

General Cable

RoHS Compliant
Directive 2011/65/EU

UL LISTED