

CVTC®

XLPE/PVC, Low-Voltage Power, Unshielded 600 V or 1000 V

UL Type TC-ER¹—Method 4 Color Code

Product Construction:

- Conductor:**
- 14 AWG thru 750 kcmil bare, annealed copper per ASTM B3
 - Class B stranding per ASTM B8
- Insulation:**
- Flame-retardant Cross-linked Polyethylene (XLPE)
 - Color-coded per ICEA Method 4; individual conductors colored black with conductor number surface printed in contrasting ink
- Ground:**
- Uninsulated bare annealed copper per ASTM B3
- Jacket:**
- Lead-free, flame-retardant, sunlight-resistant Polyvinyl Chloride (PVC)

- Applications:**
- In free air, cable tray, raceways 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 for 3 or more conductors



- Features:**
- Rated at 90°C wet or dry
 - Ripcord applied to all cables with jacket of 60 mils or less
 - Meets cold bend test at -25°C
 - Type ER versions meets crush and impact requirements of Type MC cables.
 - Sunlight- and weather-resistant
 - Excellent flame resistance
 - Excellent physical, thermal and electrical properties
 - Excellent moisture resistance
 - Good resistance to abrasion and heat deformation
 - Provides good oil and chemical resistance

- Compliances:**
- Industry Compliances:**
- UL 44 Type XHHW-2
 - UL 1277 Type TC-ER, UL File # E57179
 - UL 1581
 - ICEA S-95-658/NEMA WC70

- Compliances (cont'd.):**
- Flame Test Compliances:**
- UL 1581/UL 2556 VW-1
 - UL 1685 Vertical Flame Test
 - IEEE 383
 - IEEE 1202
 - CSA FT4
- 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 - 750 kcmil CONDUCTORS														
383860*	3	14	7W	14	0.030	0.76	0.045	1.14	0.390	9.91	53	79	116	173
383870*	3	12	7W	12	0.030	0.76	0.045	1.14	0.430	10.92	82	122	137	204
383880*	3	10	7W	10	0.030	0.76	0.060	1.52	0.485	12.32	135	201	236	351
783160	3	8	7W	10	0.045	1.14	0.060	1.52	0.640	16.26	189	281	308	458
783190	4	8	7W	10	0.045	1.14	0.060	1.52	0.710	18.03	241	358	384	572
339470	3	6	7W	8	0.045	1.14	0.060	1.52	0.720	18.29	300	446	431	642
339480	4	6	7W	8	0.045	1.14	0.060	1.52	0.820	20.83	382	569	552	822
783330	3	4	7W	8	0.045	1.14	0.080	2.03	0.870	22.10	447	665	643	956
339500*	4	4	7W	8	0.045	1.14	0.060	1.52	0.950	24.13	578	860	820	1220
325610	3	2	7W	6	0.045	1.14	0.080	2.03	1.000	25.40	710	1056	937	1394
339520*	4	2	7W	6	0.045	1.14	0.080	2.03	1.095	27.81	919	1367	1214	1806
352150*	3	1	19W	6	0.055	1.40	0.080	2.03	1.100	27.94	875	1302	1140	1697
371250*	4	1	19W	6	0.055	1.40	0.080	2.03	1.235	31.37	1136	1690	1704	2536
339530	3	1/0	19W	6	0.055	1.40	0.080	2.03	1.185	30.10	1080	1607	1362	2027
339540*	4	1/0	19W	6	0.055	1.40	0.080	2.03	1.340	34.04	1413	2103	1825	2716
339550	3	2/0	19W	6	0.055	1.40	0.080	2.03	1.290	32.77	1340	1994	1666	2480
339560*	4	2/0	19W	6	0.055	1.40	0.080	2.03	1.425	36.20	1759	2618	2180	3244
371260*	3	3/0	19W	4	0.055	1.40	0.080	2.03	1.420	36.07	1717	2555	2437	3626
371270*	4	3/0	19W	4	0.055	1.40	0.080	2.03	1.570	39.88	2245	3341	3123	4647
783230	3	4/0	19W	4	0.055	1.40	0.080	2.03	1.500	38.10	2130	3169	2501	3721
339570*	4	4/0	19W	4	0.055	1.40	0.110	2.79	1.720	43.69	2796	4160	3318	4937
328540*	3	250	37W	4	0.065	1.65	0.110	2.79	1.725	43.82	2494	3711	3029	4507
339590*	4	250	37W	4	0.065	1.65	0.110	2.79	1.930	49.02	3282	4884	4048	6023
222570	3	350	37W	3	0.065	1.65	0.110	2.79	1.940	49.28	3471	5164	4082	6074
339600*	4	350	37W	3	0.065	1.65	0.110	2.79	2.145	54.48	4572	6803	5276	7850
222710	3	500	37W	2	0.065	1.65	0.110	2.79	2.210	56.13	4928	7332	5572	8291
06790.086500*	4	500	37W	2	0.065	1.65	0.110	2.79	2.445	62.10	6500	9673	7184	10690
06790.077000*	3	750	61W	1	0.080	2.03	0.140	3.56	2.810	71.37	7278	10831	9101	13544
06790.047000*	4	750	61W	1	0.080	2.03	0.140	3.56	3.115	79.12	9712	14453	11746	17480

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.