

CVTC®

XLPE/PVC, Low-Voltage Power, Unshielded 600 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, 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



Features:

- Rated at 90°C wet or dry
- Ripcord applied to all cables with jacket thickness of 60 mils or less
- Abrasion- and chemical-resistant
- Excellent electrical properties
- Sunlight- and weather-resistant
- Meets cold bend test at -25°C
- Meets the crush and impact requirements of Type MC cable

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
- ICEA T-29-520
- 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	0.435	11.05	86	128	157	234
383880*	3	10	7W	10	0.030	0.76	0.060	1.52	0.485	12.32	135	200	236	351
783160	3	8	7W	10	0.045	1.14	0.060	1.52	0.640	16.26	190	283	314	467
783190	4	8	7W	10	0.045	1.14	0.060	1.52	0.705	17.91	242	360	385	573
339470	3	6	7W	8	0.045	1.14	0.060	1.52	0.720	18.29	301	448	445	662
339480	4	6	7W	8	0.045	1.14	0.060	1.52	0.790	20.07	384	571	558	830
783330	3	4	7W	8	0.045	1.14	0.060	1.52	0.825	20.96	448	667	653	972
339500*	4	4	7W	8	0.045	1.14	0.060	1.52	0.950	24.13	578	862	820	1220
325610	3	2	7W	6	0.045	1.14	0.080	2.03	1.000	25.40	716	1066	964	1435
339520*	4	2	7W	6	0.045	1.14	0.080	2.03	1.095	27.81	919	1368	1214	1807
352150*	3	1	19W	6	0.055	1.40	0.080	2.03	1.120	28.45	872	1298	1199	1784
371250*	4	1	19W	6	0.055	1.40	0.080	2.03	1.235	31.37	1136	1691	1704	2536
339530	3	1/0	19W	6	0.055	1.40	0.080	2.03	1.215	30.86	1081	1609	1414	2104
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	1.310	33.27	1341	1996	1706	2539
339560*	4	2/0	19W	6	0.055	1.40	0.080	2.03	1.450	36.83	1760	2619	2223	3308
371260*	3	3/0	19W	4	0.055	1.40	0.080	2.03	1.420	36.07	1717	2555	2437	3627
371270*	4	3/0	19W	4	0.055	1.40	0.080	2.03	1.570	39.88	2245	3341	3123	4648
783230	3	4/0	19W	4	0.055	1.40	0.080	2.03	1.540	39.12	2132	3173	2600	3869
339570*	4	4/0	19W	4	0.055	1.40	0.110	2.79	1.765	44.83	2796	4161	3444	5125
328540*	3	250	37W	4	0.065	1.65	0.110	2.79	1.750	44.45	2494	3712	3142	4676
339590*	4	250	37W	4	0.065	1.65	0.110	2.79	1.930	49.02	3282	4884	4048	6024
222570	3	350	37W	3	0.065	1.65	0.110	2.79	1.970	50.04	3474	5170	4230	6295
339600*	4	350	37W	3	0.065	1.65	0.110	2.79	2.180	55.37	4577	6811	5470	8140
222710	3	500	37W	2	0.065	1.65	0.110	2.79	2.250	57.15	4938	7349	5829	8675
06790.086500*	4	500	37W	2	0.065	1.65	0.110	2.79	2.475	62.87	6509	9687	7579	11279
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.