

CVTC®

XLPE/PVC, Control, Unshielded
600 V, UL Type TC-ER¹—E-2 Color Code



Product Construction:

Conductor:

- 14 AWG thru 10 AWG fully annealed stranded bare copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:

- Flame-retardant Cross-linked Polyethylene (XLPE)
- Color-coded per ICEA Method 1, Table E-2 (does not include white or green)

Jacket:

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

Applications:

- In free air, raceways and direct burial
- In wet or dry locations
- Approved for direct burial
- 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 thickness of 60 mils or less
- Excellent electrical properties
- Abrasion- and chemical-resistant
- 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 for 3 or more conductors, UL File # E57179
- UL 1581
- ICEA S-73-532/NEMA WC57

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)	COND. STRAND	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 CONDUCTORS

770460	2 Flat	14	7W	0.030	0.76	0.045	1.14	.235 x .370	5.97 x 9.40	25	37	62	92
771080*	2	14	7W	0.030	0.76	0.045	1.14	0.365	9.27	25	37	73	109
770530	3	14	7W	0.030	0.76	0.045	1.14	0.390	9.91	40	59	93	138
770610	4	14	7W	0.030	0.76	0.045	1.14	0.425	10.80	53	79	116	173
770420	5	14	7W	0.030	0.76	0.045	1.14	0.465	11.81	66	99	140	208
770560	7	14	7W	0.030	0.76	0.045	1.14	0.590	14.99	93	138	176	262
770540	9	14	7W	0.030	0.76	0.060	1.52	0.620	15.75	119	177	245	365
770470	12	14	7W	0.030	0.76	0.060	1.52	0.680	17.27	159	237	302	449
770550	19	14	7W	0.030	0.76	0.060	1.52	0.800	20.32	252	375	460	685
770450*	25	14	7W	0.030	0.76	0.080	2.03	0.985	25.02	323	481	641	954
295320*	30	14	7W	0.030	0.76	0.080	2.03	1.050	26.67	387	571	740	1101
770430*	37	14	7W	0.030	0.76	0.080	2.03	1.130	28.70	490	729	888	1322

12 AWG CONDUCTORS

770480	2 Flat	12	7W	0.030	0.76	0.045	1.14	.245 x .400	6.22 x 10.16	40	60	86	128
346920*	2	12	7W	0.030	0.76	0.045	1.14	0.410	10.41	41	61	96	143
365720	3+ Grnd	12	7W	0.030	0.76	0.045	1.14	0.435	11.05	86	128	143	213
770570	3	12	7W	0.030	0.76	0.045	1.14	0.435	11.05	65	96	125	186
770490	4	12	7W	0.030	0.76	0.045	1.14	0.475	12.07	86	128	157	234
770410	5	12	7W	0.030	0.76	0.045	1.14	0.515	13.08	108	160	191	284
770950	7	12	7W	0.030	0.76	0.060	1.52	0.595	15.11	150	224	260	387
770580	9	12	7W	0.030	0.76	0.060	1.52	0.695	17.65	193	288	340	506
770520	12	12	7W	0.030	0.76	0.060	1.52	0.780	19.81	258	385	429	638
770700*	19	12	7W	0.030	0.76	0.080	2.03	0.930	23.62	403	600	681	1013
347110*	25	12	7W	0.030	0.76	0.080	2.03	1.095	27.81	515	767	885	1317
347120*	30	12	7W	0.030	0.76	0.080	2.03	1.150	29.21	618	920	1005	1496
347130*	37	12	7W	0.030	0.76	0.080	2.03	1.240	31.50	741	1103	1185	1764

10 AWG CONDUCTORS

770590	2 Flat	10	7W	0.030	0.76	0.045	1.14	.290 x .480	7.37 x 12.19	66	98	114	170
346930*	2	10	7W	0.030	0.76	0.045	1.14	0.455	11.56	67	100	130	193
770670	3+ Grnd	10	7W	0.030	0.76	0.045	1.14	0.485	12.32	135	200	201	299
770600	3	10	7W	0.030	0.76	0.045	1.14	0.485	12.32	101	150	173	257
770370	4	10	7W	0.030	0.76	0.060	1.52	0.515	13.08	135	200	236	351
770380	5	10	7W	0.030	0.76	0.060	1.52	0.615	15.62	167	249	287	427
770900	7	10	7W	0.030	0.76	0.060	1.52	0.670	17.02	234	349	371	552
770390*	9	10	7W	0.030	0.76	0.060	1.52	0.785	19.94	295	440	479	713
770400	12	10	7W	0.030	0.76	0.080	2.03	0.895	22.73	402	598	644	958

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.

