

CCTC™

FR-XLPE/CPE, Control, Shielded
600 V, UL Type TC-ER¹ – E-1 Color Code



Features (cont'd.):

- Excellent low temperature cold bend characteristics
- Meets cold bend test at -40°C
- Meets the crush and impact requirements of Type MC cable for 3 or more conductors

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
- CSA FT4
- 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

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 (FR-XLPE) insulation
- Color-coded per ICEA Method 1, Table E-1 (includes white or green)

Shield:

- Bare 5 mil corrugated copper tape longitudinally applied

Jacket:

- Lead-free, flame-retardant thermoplastic Chlorinated Polyethylene (CPE)

Applications:

- In free air, raceways or direct burial
- In wet or dry locations
- Permitted for Exposed Run (ER) use in accordance with NEC for 3 or more conductors
- Approved for direct burial
- Class I, Division 2 industrial hazardous locations per NEC

Features:

- Rated at 90°C wet or dry
- Ripcord applied to all cables with jacket thickness of 60 mils or less
- Excellent physical, thermal and electrical properties
- Sunlight- and weather-resistant
- Excellent moisture resistance
- Excellent resistance to compression cuts and heat deformation
- Low coefficient of friction for easy pulling
- Excellent flame resistance—burns to ash; does not exhibit thermoplastic drip

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													
397310*	2	14	7W	0.030	0.76	0.045	1.14	0.440	11.18	50	74	96	143
397320*	3	14	7W	0.030	0.76	0.045	1.14	0.460	11.68	65	97	119	177
397330*	4	14	7W	0.030	0.76	0.045	1.14	0.495	12.57	80	119	143	213
397340*	5	14	7W	0.030	0.76	0.060	1.52	0.565	14.35	95	141	182	271
397350*	7	14	7W	0.030	0.76	0.060	1.52	0.605	15.37	123	183	227	338
397360*	9	14	7W	0.030	0.76	0.060	1.52	0.685	17.40	153	228	279	415
397370*	12	14	7W	0.030	0.76	0.060	1.52	0.760	19.30	196	292	349	519
12 AWG CONDUCTORS													
397380*	2	12	7W	0.030	0.76	0.045	1.14	0.480	12.19	67	100	119	177
397390*	3	12	7W	0.030	0.76	0.045	1.14	0.500	12.70	90	134	151	225
397400*	4	12	7W	0.030	0.76	0.060	1.52	0.570	14.48	112	167	199	296
397410*	5	12	7W	0.030	0.76	0.060	1.52	0.615	15.62	135	201	234	348
397420*	7	12	7W	0.030	0.76	0.060	1.52	0.660	16.76	177	263	297	442
397430*	9	12	7W	0.030	0.76	0.060	1.52	0.755	19.18	225	335	370	551
397440*	12	12	7W	0.030	0.76	0.060	1.52	0.835	21.21	291	433	468	696
10 AWG CONDUCTORS													
397450*	2	10	7W	0.030	0.76	0.060	1.52	0.555	14.10	94	140	167	248
397460*	3	10	7W	0.030	0.76	0.060	1.52	0.580	14.73	129	192	215	320
397470*	4	10	7W	0.030	0.76	0.060	1.52	0.630	16.00	164	244	264	393
397480*	5	10	7W	0.030	0.76	0.060	1.52	0.680	17.27	201	299	317	472
397490*	7	10	7W	0.030	0.76	0.060	1.52	0.730	18.54	269	400	408	607
397500*	9	10	7W	0.030	0.76	0.080	2.03	0.885	22.48	342	509	547	814
397510*	12	10	7W	0.030	0.76	0.080	2.03	0.975	24.77	444	661	691	1028

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.

