

# CCTC™

## XLPE/CPE, Control, Unshielded 600 V, UL Type TC-ER<sup>1</sup>—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 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
- 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:

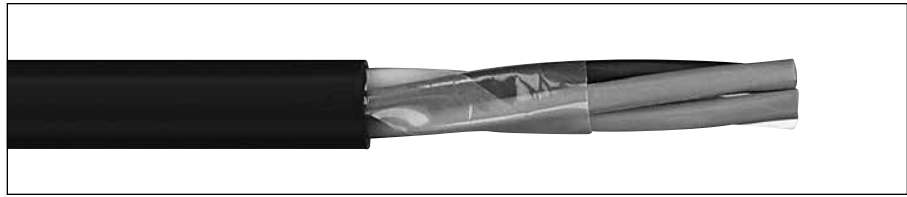
- UL 1685 Vertical Flame Test
- IEEE 1202
- CSA FT4

#### 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)	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

4405.1402F*	2 Flat	14	7W	0.030	0.76	0.045	1.14	.360 x .225	9.14 x 5.72	25	37	57	85
4405.1402*	2	14	7W	0.030	0.76	0.045	1.14	0.365	9.27	25	37	69	103
4405.1403*	3	14	7W	0.030	0.76	0.045	1.14	0.38	9.652	37	55	84	126
4405.1404*	4	14	7W	0.030	0.76	0.045	1.14	0.415	10.54	51	75	106	158
4405.1405*	5	14	7W	0.030	0.76	0.045	1.14	0.455	11.557	63	94	130	193
4405.1407*	7	14	7W	0.030	0.76	0.045	1.14	0.500	12.70	88	131	171	255
4405.1409*	9	14	7W	0.030	0.76	0.060	1.52	0.61	15.494	113	168	236	350
4405.1412*	12	14	7W	0.030	0.76	0.060	1.52	0.685	17.40	151	225	296	440
4405.1419*	19	14	7W	0.030	0.76	0.060	1.52	0.795	20.193	239	356	440	655
4405.1425*	25	14	7W	0.030	0.76	0.080	2.03	0.975	24.77	315	468	607	904
4405.1430*	30	14	7W	0.030	0.76	0.080	2.03	1.03	26.162	378	562	690	1027
4405.1437*	37	14	7W	0.030	0.76	0.080	2.03	1.105	28.07	465	692	845	1257

### 12 AWG CONDUCTORS

4405.1202F*	2 Flat	12	7W	0.030	0.76	0.045	1.14	.395 x .245	10.03 x 6.23	39	58	76	113
4405.1202*	2	12	7W	0.030	0.76	0.045	1.14	0.400	10.16	40	60	89	133
4405.1203*	3	12	7W	0.030	0.76	0.045	1.14	0.42	10.668	60	89	113	168
4405.1203G*	3+ Grnd	12	7W	0.030	0.76	0.045	1.14	0.430	10.92	80	118	132	197
4405.1204*	4	12	7W	0.030	0.76	0.045	1.14	0.46	11.684	80	118	143	213
4405.1205*	5	12	7W	0.030	0.76	0.045	1.14	0.505	12.83	100	149	176	262
4405.1207*	7	12	7W	0.030	0.76	0.060	1.52	0.58	14.732	141	209	247	368
4405.1209*	9	12	7W	0.030	0.76	0.060	1.52	0.675	17.15	180	268	319	475
4405.1212*	12	12	7W	0.030	0.76	0.060	1.52	0.75	19.05	240	357	404	601
4405.1219*	19	12	7W	0.030	0.76	0.080	2.03	0.930	23.62	380	566	645	960
4405.1225*	25	12	7W	0.030	0.76	0.080	2.03	1.080	27.43	501	746	826	1230
4405.1230*	30	12	7W	0.030	0.76	0.080	2.03	1.145	29.08	602	895	1009	1502
4405.1237*	37	12	7W	0.030	0.76	0.080	2.03	1.235	31.37	741	1103	1178	1753

### 10 AWG CONDUCTORS

4405.1002F*	2 Flat	10	7W	0.030	0.76	0.045	1.14	.445 x .270	11.30 x 6.86	64	95	106	158
4405.1002*	2	10	7W	0.030	0.76	0.045	1.14	0.450	11.43	65	97	125	186
4405.1003*	3	10	7W	0.030	0.76	0.045	1.14	0.47	11.938	97	144	159	237
4405.1003G*	3+ Grnd	10	7W	0.030	0.76	0.045	1.14	0.495	12.57	129	192	196	292
4405.1004*	4	10	7W	0.030	0.76	0.060	1.52	0.55	13.97	129	192	219	326
4405.1005*	5	10	7W	0.030	0.76	0.060	1.52	0.605	15.37	162	241	270	402
4405.1007*	7	10	7W	0.030	0.76	0.060	1.52	0.655	16.64	225	335	355	529
4405.1009*	9	10	7W	0.030	0.76	0.060	1.52	0.760	19.30	291	433	447	666
4405.1012*	12	10	7W	0.030	0.76	0.080	2.03	0.895	22.73	388	577	614	914

Dimensions and weights are nominal; subject to industry tolerances.

\* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

<sup>1</sup> Approved as TYPE TC-ER for Exposed Run applications of 3 or more conductors as defined by NEC.