

CCTC™

XLPE/CPE, Control, Unshielded
600 V, UL Type TC-ER¹—E-1 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-1 (includes 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:

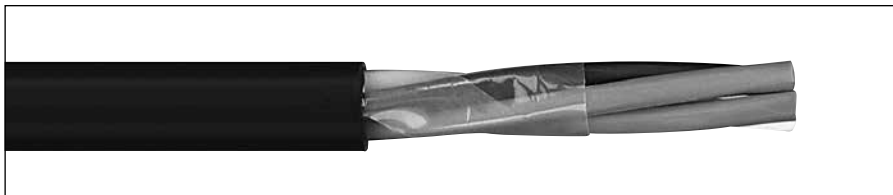
- UL 1685 Vertical Flame Test
- IEEE 1202
- CSA FT4

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

4415.1402F*	2 Flat	14	7W	0.030	0.76	0.045	1.14	.360 x .225	9.14 x 5.72	25	37	57	85
4415.1402*	2	14	7W	0.030	0.76	0.045	1.14	0.365	9.27	25	37	69	103
4415.1403*	3	14	7W	0.030	0.76	0.045	1.14	0.380	9.65	37	55	84	126
4415.1404*	4	14	7W	0.030	0.76	0.045	1.14	0.415	10.54	51	75	106	158
4415.1405*	5	14	7W	0.030	0.76	0.045	1.14	0.455	11.56	63	94	130	193
4415.1407*	7	14	7W	0.030	0.76	0.045	1.14	0.500	12.70	88	131	171	255
4415.1409*	9	14	7W	0.030	0.76	0.060	1.52	0.610	15.49	113	168	236	350
4415.1412*	12	14	7W	0.030	0.76	0.060	1.52	0.685	17.40	151	225	296	440
4415.1419*	19	14	7W	0.030	0.76	0.060	1.52	0.795	20.19	239	356	440	655
4415.1425*	25	14	7W	0.030	0.76	0.080	2.03	0.975	24.77	315	468	607	904
4415.1430*	30	14	7W	0.030	0.76	0.080	2.03	1.030	26.16	378	562	690	1027
4415.1437*	37	14	7W	0.030	0.76	0.080	2.03	1.105	28.07	465	692	845	1257

12 AWG CONDUCTORS

4415.1202F*	2 Flat	12	7W	0.030	0.76	0.045	1.14	.395 x .245	10.03 x 6.22	39	58	76	113
4415.1202*	2	12	7W	0.030	0.76	0.045	1.14	0.400	10.16	40	60	89	133
4415.1203*	3	12	7W	0.030	0.76	0.045	1.14	0.420	10.67	60	89	113	168
4415.1203G*	3+ Grnd	12	7W	0.030	0.76	0.045	1.14	0.430	10.92	80	118	132	197
4415.1204*	4	12	7W	0.030	0.76	0.045	1.14	0.460	11.68	80	118	143	213
4415.1205*	5	12	7W	0.030	0.76	0.045	1.14	0.505	12.83	100	149	176	262
4415.1207*	7	12	7W	0.030	0.76	0.060	1.52	0.580	14.73	141	209	247	368
4415.1209*	9	12	7W	0.030	0.76	0.060	1.52	0.675	17.15	180	268	319	475
4415.1212*	12	12	7W	0.030	0.76	0.060	1.52	0.750	19.05	240	357	404	601
4415.1219*	19	12	7W	0.030	0.76	0.080	2.03	0.930	23.62	380	566	645	960
4415.1225*	25	12	7W	0.030	0.76	0.080	2.03	1.080	27.43	501	746	826	1230
4415.1230*	30	12	7W	0.030	0.76	0.080	2.03	1.145	29.08	602	895	1009	1502
4415.1237*	37	12	7W	0.030	0.76	0.080	2.03	1.235	31.37	741	1103	1178	1753

10 AWG CONDUCTORS

4415.1002F*	2 Flat	10	7W	0.030	0.76	0.045	1.14	.445 x .270	11.30 x 6.86	64	95	106	158
4415.1002*	2	10	7W	0.030	0.76	0.045	1.14	0.450	11.43	65	97	125	186
4415.1003*	3	10	7W	0.030	0.76	0.045	1.14	0.470	11.94	97	144	159	237
4415.1003G*	3+ Grnd	10	7W	0.030	0.76	0.045	1.14	0.495	12.57	129	192	196	292
4415.1004*	4	10	7W	0.030	0.76	0.060	1.52	0.550	13.97	129	192	219	326
4415.1005*	5	10	7W	0.030	0.76	0.060	1.52	0.605	15.37	162	241	270	402
4415.1007*	7	10	7W	0.030	0.76	0.060	1.52	0.655	16.64	225	335	355	529
4415.1009*	9	10	7W	0.030	0.76	0.060	1.52	0.760	19.30	291	433	447	666
4415.1012*	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.

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