

CCTC™

FR-XLPE/CPE, Low-Voltage Power, Shielded 600 V, UL Type TC-ER¹ – Method 4 Color Code

Product Construction:

Conductor:

- 8 AWG thru 2 AWG bare, annealed copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:

- Flame-Retardant Cross-linked Polyethylene (FR-XLPE) insulation
- Color-coded per ICEA Method 4; individual conductors colored black with conductor number surface printed in contrasting ink

Shield:

- Bare 5 mil corrugated copper tape longitudinally applied

Ground:

- Uninsulated bare annealed copper per ASTM B3

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
- Permitted for use in 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
- Excellent moisture resistance
- Excellent resistance to crush, compression cuts and heat deformation
- Excellent low temperature cold bend characteristics
- Excellent flame resistance—burns to ash; does not exhibit thermoplastic drip
- Low coefficient of friction for easy pulling
- Sunlight- and weather-resistant
- Meets cold bend test at -40°C

Compliances:

Industry Compliances:

- UL 44 Type XHHW-2
- UL 1277 Type TC-ER, UL File # E57179
- UL 1581
- ICEA S-95-658/NEMA WC70

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

CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG)	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

8 AWG - 2 AWG CONDUCTORS

397520*	3	8	7W	10	0.045	1.14	0.060	1.52	0.715	18.16	229	341	356	530
397530*	4	8	7W	10	0.045	1.14	0.060	1.52	0.775	19.69	283	421	435	647
397540*	3	6	7W	8	0.045	1.14	0.060	1.52	0.790	20.07	336	500	483	719
397550*	4	6	7W	8	0.045	1.14	0.080	2.03	0.905	22.99	421	626	634	943
397560*	3	4	7W	8	0.045	1.14	0.080	2.03	0.935	23.75	499	743	711	1058
397570*	4	4	7W	8	0.045	1.14	0.080	2.03	1.020	25.91	636	946	888	1321
397580*	3	2	7W	6	0.045	1.14	0.080	2.03	1.060	26.92	755	1123	1007	1498
397590*	4	2	7W	6	0.045	1.14	0.080	2.03	1.160	29.46	964	1434	1267	1885

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.