

CHTC®

**XLPE/XL-CPE, Low-Voltage Power, Unshielded
600 V, UL Type TC-ER¹—Method 4 Color Code**

Product Construction:

Conductor:

- 14 AWG thru 500 kcmil tinned, annealed copper per ASTM B33
- Class B stranding per ASTM B8

Insulation:

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

Ground:

- Uninsulated tinned annealed copper per ASTM B3
- Class B stranding per ASTM B8

Jacket:

- Lead-free Cross-linked Chlorinated Polyethylene (XL-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 2 AWG and larger
- 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 flame resistance
- Excellent low temperature cold bend characteristics
- “Heavy duty” rating per ICEA standards
- Sunlight- and weather-resistant
- Oil-resistant jacket
- Meets cold bend test at -40°C
- Meets the crush and impact requirements of Type MC cable for 2 AWG and larger

Compliances:

Industry Compliances:

- UL 44 Type XHHW-2
- UL 1277 Type TC-ER for 2 AWG and larger, 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/kcmil)	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

14 AWG - 500 kcmil CONDUCTORS

383790*	3	14	7W	14	0.030	0.76	0.045	1.14	0.425	10.80	53	78	118	176
309340*	3	12	7W	12	0.030	0.76	0.045	1.14	0.475	12.07	85	126	160	238
282570*	3	10	7W	10	0.030	0.76	0.060	1.52	0.526	14.22	134	199	240	357
282580	3	8	7W	10	0.045	1.14	0.060	1.52	0.635	16.13	190	283	325	483
282590*	4	8	7W	10	0.045	1.14	0.060	1.52	0.705	17.91	242	360	405	603
282600	3	6	7W	8	0.045	1.14	0.060	1.52	0.720	18.29	301	448	481	716
282610*	4	6	7W	8	0.045	1.14	0.060	1.52	0.820	20.83	384	571	600	893
282620	3	4	7W	8	0.045	1.14	0.060	1.52	0.825	20.96	448	667	667	992
282630*	4	4	7W	8	0.045	1.14	0.060	1.52	0.950	24.13	578	861	905	1347
282640	3	2	7W	6	0.045	1.14	0.080	2.03	1.000	25.40	716	1066	1024	1524
282650*	4	2	7W	6	0.045	1.14	0.080	2.03	1.120	28.45	919	1368	1295	1927
366070*	3	1	19W	6	0.055	1.40	0.080	2.03	1.120	28.45	872	1298	1199	1784
366080*	4	1	19W	6	0.055	1.40	0.080	2.03	1.235	31.37	1136	1691	1704	2536
282660*	3	1/0	19W	6	0.055	1.40	0.080	2.03	1.215	30.86	1081	1609	1463	2177
338860*	4	1/0	19W	6	0.055	1.40	0.080	2.03	1.330	33.78	1413	2103	1830	2723
282670*	3	2/0	19W	6	0.055	1.40	0.080	2.03	1.310	33.27	1341	1996	1810	2694
292410*	4	2/0	19W	6	0.055	1.40	0.080	2.03	1.480	37.59	1760	2619	2326	3462
366090*	3	3/0	19W	4	0.055	1.40	0.080	2.03	1.420	36.07	1717	2555	2437	3627
366100*	4	3/0	19W	4	0.055	1.40	0.080	2.03	1.570	39.88	2245	3341	3123	4648
282680*	3	4/0	19W	4	0.055	1.40	0.080	2.03	1.540	39.12	2132	3173	2659	3957
338880*	4	4/0	19W	4	0.055	1.40	0.110	2.79	1.765	44.83	2796	4161	3909	5817
338890*	3	250	37W	4	0.065	1.65	0.110	2.79	1.740	44.20	2494	3712	3196	4756
338900*	4	250	37W	4	0.065	1.65	0.110	2.79	1.935	49.15	3282	4884	4571	6803
282690*	3	350	37W	3	0.065	1.65	0.110	2.79	2.010	51.05	3477	5174	4423	6582
338910*	4	350	37W	3	0.065	1.65	0.110	2.79	2.180	55.37	4577	6811	6068	9030
282710*	3	500	37W	2	0.065	1.65	0.110	2.79	2.305	58.55	4938	7349	6097	9074
331150*	4	500	37W	2	0.065	1.65	0.110	2.79	2.555	64.90	6509	9647	7905	11764

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 2 AWG and larger defined by NEC.