

CHTC®

XLPE/XL-CPE, Control, Unshielded 600 V or 1000 V¹
UL Type TC—E-2 Color Code

Product Construction:

Conductor:

- 16 AWG thru 10 AWG fully annealed stranded tinned copper per ASTM B33
- Class B stranding per ASTM B8

Insulation:

- Flame-retardant Cross-linked Polyethylene (XLPE)
- Color-coded per ICEA Method 1, Table E-2 plus alpha-numeric printed numbers (does not include white or green)

Jacket:

- Lead-free Cross-linked Chlorinated Polyethylene (XL-CPE)

Applications:

- In free air, cable tray, raceways or direct burial
- In wet or dry locations
- 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 of 60 mils or less
- Meets cold bend test at -40°C
- Sunlight- and weather-resistant
- Excellent flame resistance
- Excellent physical, thermal and electrical properties
- Excellent moisture resistance
- Excellent resistance to abrasion and heat deformation
- Provides excellent oil and chemical resistance
- Excellent low temperature cold bend characteristics
- Oil Res I & II
- "Heavy Duty" rating per ICEA standards

Compliances:

Industry Compliances:

- UL 44 Type XHHW-2
- UL 1277 Type TC, UL File # E57179
- UL 1581
- ICEA S-73-532/NEMA WC57

Flame Test Compliances:

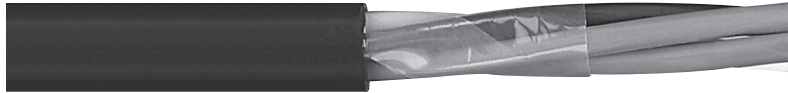
- UL 1581/UL 2556 VW-1
- UL 1685 Vertical Flame Test
- IEEE 383
- IEEE 1202
- CSA FT4

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	
				IN	mm	IN	mm	IN	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km

16 AWG CONDUCTORS

241420*	2	16	7W	0.030	0.76	0.045	1.14	0.340	8.64	17	25	61	91
312500*	3	16	7W	0.030	0.76	0.045	1.14	0.360	9.14	25	37	73	109
312510*	4	16	7W	0.030	0.76	0.045	1.14	0.390	9.91	33	49	91	135
312520*	5	16	7W	0.030	0.76	0.045	1.14	0.420	10.67	41	61	110	164
241430*	7	16	7W	0.030	0.76	0.045	1.14	0.460	11.68	58	86	141	210
241440*	9	16	7W	0.030	0.76	0.060	1.52	0.565	14.35	74	110	199	296

14 AWG CONDUCTORS

223650*	2 Flat	14	7W	0.030	0.76	0.045	1.14	.230 x .365	5.84 x 9.27	25	38	67	100
272270*	2	14	7W	0.030	0.76	0.045	1.14	0.370	9.40	26	39	75	112
223790*	3	14	7W	0.030	0.76	0.045	1.14	0.390	9.91	39	59	95	141
223780*	4	14	7W	0.030	0.76	0.045	1.14	0.425	10.80	53	78	118	176
223770*	5	14	7W	0.030	0.76	0.045	1.14	0.465	11.81	66	98	143	213
223750*	7	14	7W	0.030	0.76	0.045	1.14	0.505	12.83	92	137	179	266
223760*	9	14	7W	0.030	0.76	0.060	1.52	0.620	15.75	118	176	249	371
223640*	12	14	7W	0.030	0.76	0.060	1.52	0.700	17.78	158	235	317	472
223670*	19	14	7W	0.030	0.76	0.060	1.52	0.815	20.70	250	372	467	695
232850*	37	14	7W	0.030	0.76	0.080	2.03	1.130	28.70	490	730	899	1338

12 AWG CONDUCTORS

260730*	2 Flat	12	7W	0.030	0.76	0.045	1.14	.250 x .400	6.35 x 10.16	50	74	85	126
272260*	2	12	7W	0.030	0.76	0.045	1.14	0.410	10.41	51	76	98	146
223910*	3	12	7W	0.030	0.76	0.045	1.14	0.435	11.05	64	95	127	189
223930*	4	12	7W	0.030	0.76	0.045	1.14	0.475	12.07	85	126	160	238
223920*	5	12	7W	0.030	0.76	0.045	1.14	0.520	13.21	106	158	194	289
224080*	7	12	7W	0.030	0.76	0.060	1.52	0.595	15.11	168	251	264	393
224070*	9	12	7W	0.030	0.76	0.060	1.52	0.695	17.65	191	285	345	513
224090*	12	12	7W	0.030	0.76	0.060	1.52	0.760	19.30	247	367	401	597
265940*	19	12	7W	0.030	0.76	0.080	2.03	0.955	24.26	403	600	690	1027
347050*	37	12	7W	0.030	0.76	0.080	2.03	1.265	32.13	741	1103	1393	2073

10 AWG CONDUCTORS

361350*	2 Flat	10	7W	0.030	0.76	0.045	1.14	.270 x .445	6.86 x 11.30	66	98	117	174
355210*	2	10	7W	0.030	0.76	0.045	1.14	0.450	11.43	65	97	121	180
224100*	3	10	7W	0.030	0.76	0.045	1.14	0.485	12.32	100	150	176	262
224110*	4	10	7W	0.030	0.76	0.060	1.52	0.555	14.10	131	195	215	319
224120*	5	10	7W	0.030	0.76	0.060	1.52	0.615	15.62	167	249	291	433
224130*	7	10	7W	0.030	0.76	0.060	1.52	0.670	17.02	229	341	362	539
347060*	9	10	7W	0.030	0.76	0.060	1.52	0.765	19.43	302	449	456	679
347070*	12	10	7W	0.030	0.76	0.080	2.03	0.905	22.99	404	601	636	946

Dimensions and weights are nominal; subject to industry tolerances.

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

¹ 16 AWG conductors are only rated 600V; 10/12/14 AWG are rated 600V or 1000V