

# CHTC®

## XLPE/XL-CPE, Instrumentation, Shielded 300 V, UL Type PLTC, Overall Shielded Pairs/Triads



### Product Construction:

#### Conductor:

- 20 AWG thru 16 AWG tinned, annealed copper per ASTM B33
- Class B stranding per ASTM B8

#### Insulation:

- Flame-retardant Cross-linked Polyethylene (XLPE)
- Color-coded per ICEA Method 1: Pairs - black and white; Triads - black, white and red. One conductor in each pair or triad is printed alpha-numerically for easy identification

#### Shield:

##### Overall shielded pairs/triads

- Overall shield is Flexfoil® aluminum/polymer in contact with stranded tinned copper drain wire

#### Jacket:

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

### Applications:

- Typical applications include audio, intercom, control, energy management and alarm circuits
- In free air or raceways in accordance with NEC
- Permitted for use in Class I, Division 2 industrial hazardous locations per NEC
- In ducts, cable trays or conduit
- In accordance with UL Subject 13 as Power-Limited Circuit Cable
- In class 3 circuits in accordance with NEC

### Features:

- Rated at 90°C
- Ripcord applied to all cables with jacket thickness of 60 mils or less
- Oil Res I & II
- Sunlight- and weather-resistant
- Excellent electrical, thermal and physical properties
- Excellent moisture resistance
- Excellent flame resistance
- "Heavy duty" rating per ICEA standards
- Excellent low temperature cold bend characteristics
- Meets cold bend test at -40°C

### Compliances:

#### Industry Compliances:

- UL 13 Type PLTC, UL File # E36118
- UL 1581
- RoHS Compliant

#### Flame Test Compliances:

- UL 1581/UL 2556 VW-1
- IEEE 383
- IEEE 1202
- CSA FT4

#### Other Compliances:

- EPA 40 CFR, Part 261 for leachable lead content per TCLP
- OSHA Acceptable

### Packaging:

- Material cut to length and shipped on non-returnable wood reels

CATALOG NUMBER	NO. OF PAIRS/TRIADS	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

### OVERALL SHIELDED PAIRS/TRIADS

#### 20 AWG CONDUCTORS

337770*	1	20	7W	0.012	0.30	0.035	0.89	0.230	5.84	9	14	27	40
337780*	1 TRI	20	7W	0.012	0.30	0.035	0.89	0.240	6.10	13	19	33	49
337790*	2	20	7W	0.012	0.30	0.040	1.02	0.320	8.13	17	25	48	71
309660*	4	20	7W	0.012	0.30	0.040	1.02	0.370	9.40	31	47	73	109
309670*	8	20	7W	0.012	0.30	0.050	1.27	0.500	12.70	60	90	138	205
309680*	12	20	7W	0.012	0.30	0.050	1.27	0.575	14.61	89	133	186	277
337800*	16	20	7W	0.012	0.30	0.060	1.52	0.665	16.89	118	176	248	369
337810*	20	20	7W	0.012	0.30	0.060	1.52	0.740	18.80	148	220	300	446
309690*	24	20	7W	0.012	0.30	0.060	1.52	0.795	20.19	177	263	350	521
311640*	36	20	7W	0.012	0.30	0.070	1.78	1.005	25.53	264	392	525	781
309700*	50	20	7W	0.012	0.30	0.070	1.78	1.175	29.85	365	544	697	1037

### OVERALL SHIELDED PAIRS/TRIADS

#### 18 AWG CONDUCTORS

337820*	1	18	7W	0.015	0.38	0.035	0.89	0.245	6.22	13	19	32	48
337830*	1 TRI	18	7W	0.015	0.38	0.035	0.89	0.255	6.48	18	26	40	60
337840*	2	18	7W	0.015	0.38	0.040	1.02	0.350	8.89	23	34	58	86
337850*	4	18	7W	0.015	0.38	0.050	1.27	0.425	10.80	44	65	99	147
337860*	8	18	7W	0.015	0.38	0.050	1.27	0.545	13.84	86	127	173	257
337870*	12	18	7W	0.015	0.38	0.060	1.52	0.640	16.26	127	189	245	365
337880*	16	18	7W	0.015	0.38	0.060	1.52	0.730	18.54	169	251	318	473
337890*	20	18	7W	0.015	0.38	0.060	1.52	0.810	20.57	210	313	392	583
337900*	24	18	7W	0.015	0.38	0.070	1.78	0.895	22.73	252	375	450	670
337910*	36	18	7W	0.015	0.38	0.070	1.78	1.095	27.81	377	561	672	1000
337920*	50	18	7W	0.015	0.38	0.070	1.78	1.255	31.88	523	778	904	1345

### OVERALL SHIELDED PAIRS/TRIADS

#### 16 AWG CONDUCTORS

309520*	1	16	7W	0.015	0.38	0.035	0.89	0.270	6.86	18	28	41	61
337930*	1 TRI	16	7W	0.015	0.38	0.035	0.89	0.285	7.24	27	40	54	80
337940*	2	16	7W	0.015	0.38	0.050	1.27	0.430	10.92	36	53	85	126
337950*	4	16	7W	0.015	0.38	0.050	1.27	0.490	12.45	69	102	135	201
337960*	8	16	7W	0.015	0.38	0.060	1.52	0.650	16.51	135	201	246	366
337970*	12	16	7W	0.015	0.38	0.060	1.52	0.755	19.18	202	300	346	515
337980*	16	16	7W	0.015	0.38	0.060	1.52	0.845	21.46	268	399	444	661
337990*	20	16	7W	0.015	0.38	0.060	1.52	0.900	22.86	335	498	552	821
338000*	24	16	7W	0.015	0.38	0.070	1.78	1.020	25.91	401	597	655	975
338010*	36	16	7W	0.015	0.38	0.070	1.78	1.225	31.12	601	894	649	966
338020*	50	16	7W	0.015	0.38	0.080	2.03	1.415	35.94	834	1241	1308	1947

Dimensions and weights are nominal; subject to industry tolerances.

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

