

CHTC®

XLPE/XL-CPE, Instrumentation, Shielded 300 V, UL Type PLTC, Individual and Overall Shielded Pairs

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. One conductor in each pair is printed alpha-numerically for easy identification

Shield:

Individual and overall shielded pairs

- Individual pairs are 100% shielded with Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire
- 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	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

INDIVIDUAL AND OVERALL SHIELDED PAIRS 20 AWG CONDUCTORS

338030*	2	20	7W	0.012	0.30	0.040	1.02	0.340	8.64	21	31	54	80
309540*	4	20	7W	0.012	0.30	0.050	1.27	0.415	10.54	40	60	93	138
309550*	8	20	7W	0.012	0.30	0.050	1.27	0.525	13.34	78	116	157	234
309560*	12	20	7W	0.012	0.30	0.060	1.52	0.645	16.38	117	147	233	347
338040*	16	20	7W	0.012	0.30	0.060	1.52	0.715	18.16	155	231	294	438
338050*	20	20	7W	0.012	0.30	0.060	1.52	0.785	19.94	193	287	357	531
309570*	24	20	7W	0.012	0.30	0.070	1.78	0.875	22.23	231	344	422	628
309580*	36	20	7W	0.012	0.30	0.070	1.78	1.045	26.54	346	515	620	923
338060*	50	20	7W	0.012	0.30	0.070	1.78	1.215	30.86	479	713	828	1232

INDIVIDUAL AND OVERALL SHIELDED PAIRS 18 AWG CONDUCTORS

338070*	2	18	7W	0.015	0.38	0.050	1.27	0.415	10.54	28	41	76	113
338080*	4	18	7W	0.015	0.38	0.050	1.27	0.475	12.07	53	79	113	168
338090*	8	18	7W	0.015	0.38	0.060	1.52	0.605	15.37	104	155	203	302
338100*	12	18	7W	0.015	0.38	0.060	1.52	0.750	19.05	155	231	300	446
338110*	16	18	7W	0.015	0.38	0.060	1.52	0.830	21.08	206	307	383	570
338120*	20	18	7W	0.015	0.38	0.070	1.78	0.945	24.00	254	378	483	719
338130*	24	18	7W	0.015	0.38	0.070	1.78	1.045	26.54	308	459	571	850
338140*	36	18	7W	0.015	0.38	0.070	1.78	1.225	31.12	461	687	816	1214
338150*	50	18	7W	0.015	0.38	0.080	2.03	1.450	36.83	640	952	1119	1665

INDIVIDUAL AND OVERALL SHIELDED PAIRS 16 AWG CONDUCTORS

338160*	2	16	7W	0.015	0.38	0.050	1.27	0.440	11.18	40	60	92	137
338170*	4	16	7W	0.015	0.38	0.050	1.27	0.545	13.84	78	116	163	243
338180*	8	16	7W	0.015	0.38	0.060	1.52	0.965	24.51	153	228	287	427
338190*	12	16	7W	0.015	0.38	0.060	1.52	0.885	22.48	229	341	437	650
338200*	16	16	7W	0.015	0.38	0.070	1.78	0.980	24.89	304	453	553	823
338210*	20	16	7W	0.015	0.38	0.070	1.78	1.080	27.43	380	566	680	1012
338220*	24	16	7W	0.015	0.38	0.070	1.78	1.235	31.37	455	677	800	1191
338230*	36	16	7W	0.015	0.38	0.080	2.03	1.405	35.69	662	985	1108	1649
338240*	50	16	7W	0.015	0.38	0.080	2.03	1.640	41.66	945	1408	1523	2267

Dimensions and weights are nominal; subject to industry tolerances.

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