

**CHTC®**

**XLPE/XL-CPE, Instrumentation, Shielded  
600 V, UL Type TC, Individual and Overall Shielded Pairs/Triads**

**Product Construction:**

**Conductor:**

- 18 AWG and 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:**

**Individual and overall shielded pairs/triads**

- Individual pairs/triads 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:**

- In free air, 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 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 1277 Type TC, UL File # E57179
- UL 1581
- ICEA S-73-532/WC57
- RoHS Compliant

**Flame Test Compliances:**

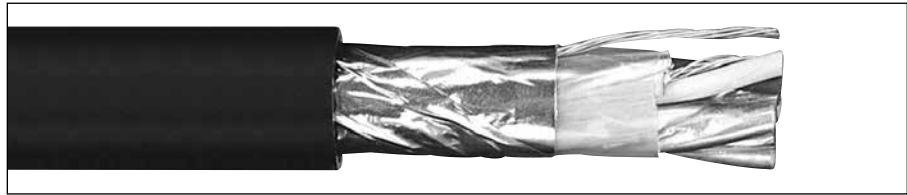
- UL 1581/UL 2556 VW-1
- UL 1685 Vertical Flame Test
- IEEE 383
- IEEE 1202
- CSA FT4
- ICEA T-29-520

**Other Compliances:**

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

**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

**INDIVIDUAL AND OVERALL SHIELDED PAIRS/TRIADS  
18 AWG CONDUCTORS**

<b>285150</b>	1	18	7W	0.030	0.76	0.045	1.52	0.315	8.15	13	19	49	73
<b>337620*</b>	1 TRI	18	7W	0.030	0.76	0.045	1.14	0.335	8.51	18	26	64	95
<b>337630*</b>	2	18	7W	0.030	0.76	0.045	1.14	0.510	12.95	28	42	92	137
<b>337640*</b>	4	18	7W	0.030	0.76	0.060	1.52	0.630	16.00	53	79	167	249
<b>337650*</b>	8	18	7W	0.030	0.76	0.080	2.03	0.855	21.72	104	155	326	485
<b>337660*</b>	12	18	7W	0.030	0.76	0.080	2.03	1.030	26.16	155	231	441	656
<b>337670*</b>	16	18	7W	0.030	0.76	0.080	2.03	1.140	28.96	206	307	554	824
<b>337680*</b>	20	18	7W	0.030	0.76	0.080	2.03	1.265	32.13	256	381	676	1006
<b>337690*</b>	24	18	7W	0.030	0.76	0.080	2.03	1.450	36.83	308	459	795	1183
<b>337700*</b>	36	18	7W	0.030	0.76	0.110	2.79	1.650	41.91	461	687	1118	1664
<b>337710*</b>	50	18	7W	0.030	0.76	0.110	2.79	2.085	52.96	637	948	1616	2405

**INDIVIDUAL AND OVERALL SHIELDED PAIRS/TRIADS  
16 AWG CONDUCTORS**

<b>240990</b>	1	16	7W	0.030	0.76	0.045	1.52	0.345	8.76	19	28	61	91
<b>241510</b>	1 TRI	16	7W	0.030	0.76	0.045	1.52	0.360	9.10	28	42	85	127
<b>241010</b>	2	16	7W	0.030	0.76	0.060	1.52	0.585	14.86	40	60	130	193
<b>232560</b>	4	16	7W	0.030	0.76	0.060	1.52	0.675	17.15	78	116	204	304
<b>241000*</b>	8	16	7W	0.030	0.76	0.080	2.03	0.915	23.24	153	228	394	586
<b>252370</b>	12	16	7W	0.030	0.76	0.080	2.03	1.110	28.19	229	341	548	816
<b>337720*</b>	16	16	7W	0.030	0.76	0.080	2.03	1.350	34.29	304	453	713	1061
<b>337730*</b>	20	16	7W	0.030	0.76	0.080	2.03	1.365	34.67	380	566	850	1265
<b>337740*</b>	24	16	7W	0.030	0.76	0.080	2.03	1.570	39.88	455	677	1001	1490
<b>337750*</b>	36	16	7W	0.030	0.76	0.110	2.79	1.980	50.29	682	1014	1548	2304
<b>337760*</b>	50	16	7W	0.030	0.76	0.110	2.79	2.165	54.99	946	1408	2020	3006

Dimensions and weights are nominal; subject to industry tolerances.

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