

**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/polyester in contact with stranded tinned copper drain wire

**Jacket:**

- Lead-free, Cross-Linked Chlorinated Polyethylene (XL-CPE)

**Print:**

- GENERAL CABLE® (PLANT OF MFG) CHTC® XX/SPS/STS XXAWG SHIELDED CU/XLP/XL-CPE SHIELDED (UL) TYPE TC 600 V 90°C WET OR DRY SUN RES OIL RES I & II DAY/MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

**Options:**

- 300V Type PLTC
- Bare copper conductor
- Class C stranding
- Overall shielded pairs/triads
- EHTC®—Ethylene Propylene Rubber (EPR) insulation
- Thermoplastic Low-Smoke, Zero-Halogen (LSZH) jacket
- Other constructions available upon request

**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-resistant jacket
- 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 -35°C

**Compliances:**

**Industry Compliances:**

- UL Type RFH-2, FFH-2 conductors
- UL 1277 Type TC, UL File # E57179
- UL 1581
- ICEA S-82-552
- ICEA S-73-532

**Flame Test Compliances:**

- UL 1581 VW-1
- UL 1277
- 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

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

285150	1	18	7/.0152	0.030	0.76	0.045	1.52	0.315	8.15	13	19	49	73
337620*	1 TRI	18	7/.0152	0.030	0.76	0.045	1.14	0.335	8.51	18	26	64	95
337630*	2	18	7/.0152	0.030	0.76	0.045	1.14	0.510	12.95	28	42	92	137
337640*	4	18	7/.0152	0.030	0.76	0.060	1.52	0.630	16.00	53	79	167	249
337650*	8	18	7/.0152	0.030	0.76	0.080	2.03	0.855	21.72	104	155	326	485
337660*	12	18	7/.0152	0.030	0.76	0.080	2.03	1.030	26.16	155	231	441	656
337670*	16	18	7/.0152	0.030	0.76	0.080	2.03	1.140	28.96	206	307	554	824
337680*	20	18	7/.0152	0.030	0.76	0.080	2.03	1.265	32.13	256	381	676	1006
337690*	24	18	7/.0152	0.030	0.76	0.080	2.03	1.450	36.83	308	459	795	1183
337700*	36	18	7/.0152	0.030	0.76	0.110	2.79	1.650	41.91	461	687	1118	1664
337710*	50	18	7/.0152	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**

240990	1	16	7/.0192	0.030	0.76	0.045	1.52	0.345	8.76	19	28	61	91
241510	1 TRI	16	7/.0192	0.030	0.76	0.045	1.52	0.360	9.10	28	42	85	127
241010	2	16	7/.0192	0.030	0.76	0.060	1.52	0.585	14.86	40	60	130	193
232560	4	16	7/.0192	0.030	0.76	0.060	1.52	0.675	17.15	78	116	204	304
241000*	8	16	7/.0192	0.030	0.76	0.080	2.03	0.915	23.24	153	228	394	586
252370	12	16	7/.0192	0.030	0.76	0.080	2.03	1.110	28.19	229	341	548	816
337720*	16	16	7/.0192	0.030	0.76	0.080	2.03	1.350	34.29	304	453	713	1061
337730*	20	16	7/.0192	0.030	0.76	0.080	2.03	1.365	34.67	380	566	850	1265
337740*	24	16	7/.0192	0.030	0.76	0.080	2.03	1.570	39.88	455	677	1001	1490
337750*	36	16	7/.0192	0.030	0.76	0.110	2.79	1.980	50.29	682	1014	1548	2304
337760*	50	16	7/.0192	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.

