# 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** | | | | | | | | | | | | | |
| **285150** | 1 | 18 | 7W | 0.030 | 0.76 | 0.045 | 1.52 | 0.315 | 8.15 | 13 | 19 | 49 | 73 |
| **337620*** | 1 TRI | 18 | 7W | 0.030 | 0.76 | 0.045 | 1.14 | 0.335 | 8.51 | 18 | 26 | 64 | 95 |
| **337630*** | 2 | 18 | 7W | 0.030 | 0.76 | 0.045 | 1.14 | 0.510 | 12.95 | 28 | 42 | 92 | 137 |
| **337640*** | 4 | 18 | 7W | 0.030 | 0.76 | 0.060 | 1.52 | 0.630 | 16.00 | 53 | 79 | 167 | 249 |
| **337650*** | 8 | 18 | 7W | 0.030 | 0.76 | 0.080 | 2.03 | 0.855 | 21.72 | 104 | 155 | 326 | 485 |
| **337660*** | 12 | 18 | 7W | 0.030 | 0.76 | 0.080 | 2.03 | 1.030 | 26.16 | 155 | 231 | 441 | 656 |
| **337670*** | 16 | 18 | 7W | 0.030 | 0.76 | 0.080 | 2.03 | 1.140 | 28.96 | 206 | 307 | 554 | 824 |
| **337680*** | 20 | 18 | 7W | 0.030 | 0.76 | 0.080 | 2.03 | 1.265 | 32.13 | 256 | 381 | 676 | 1006 |
| **337690*** | 24 | 18 | 7W | 0.030 | 0.76 | 0.080 | 2.03 | 1.450 | 36.83 | 308 | 459 | 795 | 1183 |
| **337700*** | 36 | 18 | 7W | 0.030 | 0.76 | 0.110 | 2.79 | 1.650 | 41.91 | 461 | 687 | 1118 | 1664 |
| **337710*** | 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** | | | | | | | | | | | | | |
| **240990** | 1 | 16 | 7W | 0.030 | 0.76 | 0.045 | 1.52 | 0.345 | 8.76 | 19 | 28 | 61 | 91 |
| **241510** | 1 TRI | 16 | 7W | 0.030 | 0.76 | 0.045 | 1.52 | 0.360 | 9.10 | 28 | 42 | 85 | 127 |
| **241010** | 2 | 16 | 7W | 0.030 | 0.76 | 0.060 | 1.52 | 0.585 | 14.86 | 40 | 60 | 130 | 193 |
| **232560** | 4 | 16 | 7W | 0.030 | 0.76 | 0.060 | 1.52 | 0.675 | 17.15 | 78 | 116 | 204 | 304 |
| **241000*** | 8 | 16 | 7W | 0.030 | 0.76 | 0.080 | 2.03 | 0.915 | 23.24 | 153 | 228 | 394 | 586 |
| **252370** | 12 | 16 | 7W | 0.030 | 0.76 | 0.080 | 2.03 | 1.110 | 28.19 | 229 | 341 | 548 | 816 |
| **337720*** | 16 | 16 | 7W | 0.030 | 0.76 | 0.080 | 2.03 | 1.350 | 34.29 | 304 | 453 | 713 | 1061 |
| **337730*** | 20 | 16 | 7W | 0.030 | 0.76 | 0.080 | 2.03 | 1.365 | 34.67 | 380 | 566 | 850 | 1265 |
| **337740*** | 24 | 16 | 7W | 0.030 | 0.76 | 0.080 | 2.03 | 1.570 | 39.88 | 455 | 677 | 1001 | 1490 |
| **337750*** | 36 | 16 | 7W | 0.030 | 0.76 | 0.110 | 2.79 | 1.980 | 50.29 | 682 | 1014 | 1548 | 2304 |
| **337760*** | 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.

General Cable

RoHS Compliant
Directive 2011/65/EU

UL LISTED