

# CVTC®

## XLPE/PVC, Instrumentation, Shielded 300 V, UL Type PLTC, Individual and Overall Shielded Pairs

### Product Construction:

#### Conductor:

- 18 AWG and 16 AWG bare, annealed copper per ASTM B3
- 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, flame-retardant, sunlight-resistant Polyvinyl Chloride (PVC)

### Applications:

- In free air and raceways in accordance with NEC
- Typical applications include audio, intercom, control, energy management and alarm circuits
- 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
- Permitted for use in Class I, Division 2 industrial hazardous locations per NEC

### Features:

- Rated at 90°C
- Ripcord applied to all cables with jacket thickness of 60 mils or less
- Abrasion- and chemical-resistant
- Excellent electrical properties
- Sunlight- and weather-resistant
- Meets cold bend test at -25°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

#### 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 18 AWG CONDUCTORS

343140*	2	18	7W	0.015	0.38	0.050	1.27	0.410	10.41	30	45	73	109
343150*	4	18	7W	0.015	0.38	0.050	1.27	0.475	12.07	55	82	117	174
343160*	8	18	7W	0.015	0.38	0.050	1.27	0.605	15.37	105	156	215	320
343170*	12	18	7W	0.015	0.38	0.060	1.52	0.750	19.05	156	232	308	458
343180*	16	18	7W	0.015	0.38	0.060	1.52	0.830	21.08	207	308	392	583
343190*	20	18	7W	0.015	0.38	0.070	1.78	0.955	24.26	252	375	494	735
343200*	24	18	7W	0.015	0.38	0.070	1.78	1.030	26.16	302	449	583	868
343210*	36	18	7W	0.015	0.38	0.070	1.78	1.210	30.73	452	673	830	1235
343220*	50	18	7W	0.015	0.38	0.080	2.03	1.425	36.20	637	948	1145	1704

### INDIVIDUAL AND OVERALL SHIELDED PAIRS 16 AWG CONDUCTORS

343240*	2	16	7W	0.015	0.38	0.050	1.27	0.455	11.56	42	63	96	143
343250*	4	16	7W	0.015	0.38	0.050	1.27	0.530	13.46	80	119	160	238
343260*	8	16	7W	0.015	0.38	0.060	1.52	0.710	18.03	155	231	293	436
343270*	12	16	7W	0.015	0.38	0.060	1.52	0.855	21.72	230	342	425	632
343280*	16	16	7W	0.015	0.38	0.070	1.78	0.955	24.26	306	455	563	838
343290*	20	16	7W	0.015	0.38	0.070	1.78	1.055	26.80	375	558	664	988
343300*	24	16	7W	0.015	0.38	0.070	1.78	1.160	29.46	456	679	780	1161
343310*	36	16	7W	0.015	0.38	0.080	2.03	1.380	35.05	674	1003	1137	1692
343320*	50	16	7W	0.015	0.38	0.080	2.03	1.580	40.13	945	1406	1518	2259

Dimensions and weights are nominal; subject to industry tolerances.

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