

# CVTC®

## XLPE/PVC, Instrumentation, Shielded 600 V, UL Type TC, Overall Shielded Pairs/Triads

### 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; Triads - black, white and red. One conductor in each pair or triad is printed alpha-numerically for easy identification

#### Shield:

##### Overall shielded pairs/triads

- 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, 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
- Abrasion- and chemical-resistant
- Excellent electrical properties
- Sunlight- and weather-resistant
- Meets cold bend test at -25°C

### Compliances:

#### Industry Compliances:

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

#### Flame Test Compliances:

- UL 1581/UL 2556 VW-1
- UL 1685 Vertical Flame Test
- IEEE 383
- IEEE 1202
- ICEA T-29-520 (210,000 BTU/hr)
- 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/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

366160*	1	18	7W	0.030	0.76	0.045	1.14	0.315	8.00	12	18	46	68
337270*	1 TRI	18	7W	0.030	0.76	0.045	1.14	0.340	8.64	18	26	58	86
337360*	2	18	7W	0.030	0.76	0.045	1.14	0.450	11.43	23	34	88	131
337280*	4	18	7W	0.030	0.76	0.045	1.14	0.560	14.22	44	65	144	214
337290*	8	18	7W	0.030	0.76	0.060	1.52	0.750	19.05	94	140	263	391
337300*	12	18	7W	0.030	0.76	0.080	2.03	0.850	21.59	141	210	358	533
337310*	16	18	7W	0.030	0.76	0.080	2.03	1.010	25.65	187	278	461	686
337320*	20	18	7W	0.030	0.76	0.080	2.03	1.085	27.56	233	347	600	893
337330*	24	18	7W	0.030	0.76	0.080	2.03	1.210	30.73	279	415	701	1043
337340*	36	18	7W	0.030	0.76	0.080	2.03	1.500	38.10	418	622	1005	1496
337350*	50	18	7W	0.030	0.76	0.080	2.03	2.570	65.28	580	863	1603	2386

### OVERALL SHIELDED PAIRS/TRIADS 16 AWG CONDUCTORS

319810*	1	16	7W	0.030	0.76	0.045	1.14	0.345	8.76	19	28	32	48
319870*	1 TRI	16	7W	0.030	0.76	0.045	1.14	0.360	9.14	27	40	72	107
337370*	2	16	7W	0.030	0.76	0.045	1.14	0.560	14.22	36	53	121	180
382260*	4	16	7W	0.030	0.76	0.060	1.52	0.650	16.51	69	102	186	277
337390*	8	16	7W	0.030	0.76	0.060	1.52	0.810	20.57	135	201	324	482
337400*	12	16	7W	0.030	0.76	0.080	2.03	1.000	25.40	202	300	486	723
337410*	16	16	7W	0.030	0.76	0.080	2.03	1.120	28.45	268	399	616	917
337420*	20	16	7W	0.030	0.76	0.080	2.03	1.170	29.72	335	498	734	1092
337430*	24	16	7W	0.030	0.76	0.080	2.03	1.440	36.58	401	597	894	1330
337440*	36	16	7W	0.030	0.76	0.080	2.03	1.650	41.91	601	894	1254	1866
337450*	50	16	7W	0.030	0.76	0.110	2.79	2.020	51.31	834	1241	1800	2679

Dimensions and weights are nominal; subject to industry tolerances.

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