

CVTC®

XLPE/PVC, Instrumentation, Shielded
600 V, UL Type TC, 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, 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	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

319820*	2	18	7W	0.030	0.76	0.045	1.14	0.515	13.08	28	41	95	141
319840*	4	18	7W	0.030	0.76	0.060	1.52	0.625	15.88	53	53	170	253
319850*	8	18	7W	0.030	0.76	0.060	1.52	0.805	20.45	104	155	292	435
337460*	12	18	7W	0.030	0.76	0.080	2.03	1.020	25.91	155	231	442	658
337470*	16	18	7W	0.030	0.76	0.080	2.03	1.130	28.70	206	307	554	824
337480*	20	18	7W	0.030	0.76	0.080	2.03	1.235	31.37	254	378	666	991
337490*	24	18	7W	0.030	0.76	0.080	2.03	1.465	37.21	308	459	802	1194
337500*	36	18	7W	0.030	0.76	0.080	2.03	1.630	41.40	461	687	1116	1661
337510*	50	18	7W	0.030	0.76	0.110	2.79	1.975	50.17	640	952	1598	2378

INDIVIDUAL AND OVERALL SHIELDED PAIRS 16 AWG CONDUCTORS

337520*	2	16	7W	0.030	0.76	0.060	1.52	0.595	15.11	40	60	135	201
337530*	4	16	7W	0.030	0.76	0.060	1.52	0.695	17.65	78	116	214	318
337540*	8	16	7W	0.030	0.76	0.060	1.52	0.900	22.86	153	228	399	594
337550*	12	16	7W	0.030	0.76	0.080	2.03	1.110	28.19	229	341	584	869
337560*	16	16	7W	0.030	0.76	0.080	2.03	1.260	32.00	304	453	712	1060
337570*	20	16	7W	0.030	0.76	0.080	2.03	1.315	33.40	380	566	845	1258
337580*	24	16	7W	0.030	0.76	0.080	2.03	1.510	38.35	455	677	1009	1502
337590*	36	16	7W	0.030	0.76	0.110	2.79	1.820	46.23	682	1014	1259	1874
337600*	50	16	7W	0.030	0.76	0.110	2.79	2.095	53.21	946	1408	2032	3024

Dimensions and weights are nominal; subject to industry tolerances.

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

