

**VNTC®**

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

**Product Construction:**

**Conductor:**

- 18 AWG thru 14 AWG bare, annealed copper per ASTM B3
- Class B stranding per ASTM B8

**Insulation:**

- Flame-retardant Polyvinyl Chloride (PVC) with Polyamide (nylon)
- 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 dry, 75°C wet
- Ripcord applied to all cables with jacket thickness of 60 mils or less
- Provides sunlight, cold bend and cold impact resistance
- Offer the smallest cable O.D. available for suitable applications
- Provides excellent oil and chemical resistance
- Provides a long service life
- Meets cold bend test at -25°C

**Compliances:**

**Industry Compliances:**

- UL 1277 Type TC, UL File # E57179
- UL 1581
- NEC Type TFN conductors
- ICEA S-73-532/NEMA WC57

**Flame Test Compliances:**

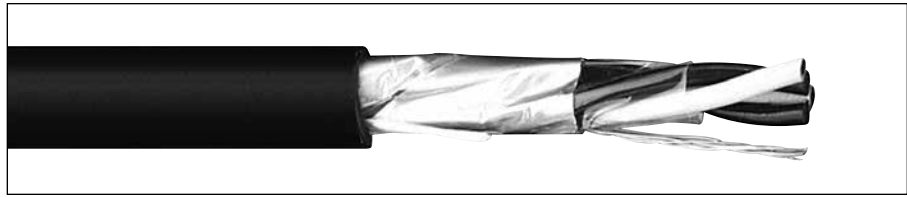
- UL 1685 Vertical Flame Test
- IEEE 383
- IEEE 1202
- CSA FT4

**Other Compliances:**

- EPA 40 CFR, Part 261 for leachable lead content per TCLP
- OSHA Acceptable
- RoHS Compliant

**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**

235020*	1	18	7W	0.020	0.51	0.045	1.14	0.280	7.11	12	19	41	61
239210*	1 TRI	18	7W	0.020	0.51	0.045	1.14	0.300	7.62	18	27	49	73
235910*	2	18	7W	0.020	0.51	0.045	1.14	0.440	11.18	23	34	72	107
319740*	3	18	7W	0.020	0.51	0.045	1.14	0.465	11.81	33	50	90	134
235980*	4	18	7W	0.020	0.51	0.045	1.14	0.505	12.83	44	65	110	164
336830*	5	18	7W	0.020	0.51	0.060	1.52	0.570	14.48	55	82	144	214
336840*	7	18	7W	0.020	0.51	0.060	1.52	0.585	14.86	75	112	177	263
230760*	12	18	7W	0.020	0.51	0.060	1.52	0.770	19.56	127	189	277	412
270970*	16	18	7W	0.020	0.51	0.080	2.03	0.825	20.96	168	250	355	528
336850*	20	18	7W	0.020	0.51	0.080	2.03	0.905	22.99	210	313	455	677
230750*	24	18	7W	0.020	0.51	0.080	2.03	1.020	25.91	252	375	544	810
230800*	36	18	7W	0.020	0.51	0.080	2.03	1.150	29.21	378	562	763	1135
336860*	50	18	7W	0.020	0.51	0.080	2.03	1.405	35.69	525	781	1036	1542

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

230830*	1	16	7W	0.020	0.51	0.045	1.14	0.300	7.62	20	29	52	77
230840*	1 TRI	16	7W	0.020	0.51	0.045	1.14	0.315	8.00	27	40	61	91
238410*	2	16	7W	0.020	0.51	0.045	1.14	0.470	11.94	37	54	93	138
239200*	3	16	7W	0.020	0.51	0.045	1.14	0.505	12.83	53	79	117	174
230790*	4	16	7W	0.020	0.51	0.060	1.52	0.575	14.61	69	103	160	238
336870*	5	16	7W	0.020	0.51	0.060	1.52	0.610	15.49	87	129	190	283
336880*	7	16	7W	0.020	0.51	0.060	1.52	0.630	16.00	117	174	239	356
244590*	12	16	7W	0.020	0.51	0.060	1.52	0.825	20.96	201	299	370	551
244610*	16	16	7W	0.020	0.51	0.080	2.03	0.970	24.64	267	397	513	763
336890*	20	16	7W	0.020	0.51	0.080	2.03	1.010	25.65	337	502	628	935
230780*	24	16	7W	0.020	0.51	0.080	2.03	1.135	28.83	398	592	740	1101
230820*	36	16	7W	0.020	0.51	0.080	2.03	1.375	34.93	595	886	1063	1582
230810*	50	16	7W	0.020	0.51	0.080	2.03	1.570	39.88	833	1240	1435	2136

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

237490*	1	14	7W	0.015	0.38	0.045	1.14	0.325	8.26	28	42	62	92
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Dimensions and weights are nominal; subject to industry tolerances.

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