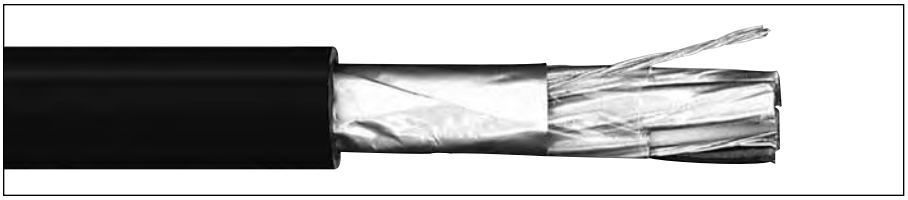
VNTC®

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



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													
235970*	2	18	7W	0.020	0.51	0.045	1.14	0.445	11.30	28	41	84	125
336900*	3	18	7W	0.020	0.51	0.045	1.14	0.480	12.19	46	68	106	158
235900*	4	18	7W	0.020	0.51	0.045	1.14	0.555	14.10	53	79	145	216
336910*	5	18	7W	0.020	0.51	0.060	1.52	0.580	14.73	74	110	169	252
336920*	7	18	7W	0.020	0.51	0.060	1.52	0.650	16.51	102	152	219	326
241020*	12	18	7W	0.020	0.51	0.060	1.52	0.845	21.46	193	287	390	506
336930*	16	18	7W	0.020	0.51	0.080	2.03	0.960	24.38	229	341	473	704
336940*	20	18	7W	0.020	0.51	0.080	2.03	1.050	26.67	283	421	594	884
241030*	24	18	7W	0.020	0.51	0.080	2.03	1.175	29.85	340	506	689	1025
243880*	36	18	7W	0.020	0.51	0.080	2.03	1.380	35.05	508	756	979	1457
256300*	50	18	7W	0.020	0.51	0.080	2.03	1.615	41.02	705	1049	1371	1960
INDIVIDUAL AND OVERALL SHIELDED PAIRS 16 AWG CONDUCTORS													
237180*	2	16	7W	0.020	0.51	0.045	1.14	0.495	12.57	44	65	105	156
235990*	3	16	7W	0.020	0.51	0.045	1.14	0.520	13.21	64	95	137	204
237160*	4	16	7W	0.020	0.51	0.045	1.14	0.600	15.24	84	125	188	280
336950*	5	16	7W	0.020	0.51	0.060	1.52	0.655	16.64	105	157	224	333
336960*	7	16	7W	0.020	0.51	0.060	1.52	0.710	18.03	145	216	290	432
235750*	8	16	7W	0.020	0.51	0.060	1.52	0.760	19.30	155	224	307	457
242870*	12	16	7W	0.020	0.51	0.060	1.52	0.940	23.88	244	363	498	741
237130*	16	16	7W	0.020	0.51	0.080	2.03	1.055	26.80	324	482	635	945
277820*	20	16	7W	0.020	0.51	0.080	2.03	1.175	29.85	407	605	768	1143
242860*	24	16	7W	0.020	0.51	0.080	2.03	1.350	34.29	486	724	903	1344
243890*	36	16	7W	0.020	0.51	0.080	2.03	1.480	37.59	732	1089	1290	1920
244600*	50	16	7W	0.020	0.51	0.080	2.03	1.810	45.97	1011	1504	1809	2692

Dimensions and weights are nominal; subject to industry tolerances.
* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

Product Construction:

Conductor:
- 18 AWG and 16 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. 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 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

UL® LISTED

RoHS Compliant Directive 2011/65/EU

General Cable