

APPLICATION:

General purpose cable for use in primary power and feeder circuits in a broad range of commercial and industrial applications. Approved for installation indoors or outdoors aerially, in conduits, ducts, cable trays, or direct burial in circuits not exceeding 600 volts. May be used in NEC Class I and II, Division 2 hazardous locations. UL approved for use in continuous operation at 90°C in wet and dry locations, 105°C for short circuit conditions.

CONDUCTORS:

Soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8

INSULATION:

Flame-retardant PVC per UL Standard 83 for Type THHN or THWN wire

INSULATION JACKET:

Flame-retardant PVC per UL Standard 83 for Type THHN or THWN wire

GROUNDING CONDUCTOR:

Soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8 sized in accordance with UL Standard 1277

JACKET:

Sunlight-resistant PVC per UL Standard 1277

COLOR CODE:

ICEA Method 1 (Table E-2)

FLAME TEST:

IEEE 1202/FT4 70,000 BTU/hour flame test

ADDITIONAL STANDARDS:

- UL Type TC per Article 336 of the NEC
- UL Type TC-ER Rated for Exposed Run
- Cold Temperature Rated at -40°C
- Cold Bend -25°C



DISTRIBUTOR WIRE & CABLE

VNTC 18 AWG-10 AWG

DWC Part No.	No. of Strands	Insulation Thickness		Jacket Thickness		Overall Diameter (approx.)		Copper Weight (lbs/1000ft)	Approx. Weight (lbs/1000ft)	Bending Radius (min)		Max. Pull Tension (lbs)
		mm	inch	mm	inch	mm	inch			mm	inch	
1803VNTC	26	0.38	0.015	1.14	0.045	7.30	0.287	14.92	53.43	43.8	1.72	86
1804VNTC	26	0.38	0.015	1.14	0.045	8.00	0.315	19.89	64.40	48	1.89	115
1805VNTC	26	0.38	0.015	1.14	0.045	8.60	0.339	24.93	69.88	51.6	2.03	143
1806VNTC	26	0.38	0.015	1.14	0.045	9.30	0.366	29.94	77.51	55.8	2.20	172
1807VNTC	26	0.38	0.015	1.14	0.045	9.35	0.368	34.94	88.10	56.1	2.21	201
1809VNTC	26	0.38	0.015	1.14	0.045	11.00	0.433	45.02	109.52	66	2.60	258
1812VNTC	26	0.38	0.015	1.52	0.060	12.00	0.472	60.07	137.84	72	2.83	344
1815VNTC	26	0.38	0.015	1.52	0.060	14.00	0.551	75.13	164.72	84	3.31	430
1819VNTC	26	0.38	0.015	1.52	0.060	14.50	0.571	95.29	218.03	87	3.43	544
1825VNTC	26	0.38	0.015	1.52	0.060	17.00	0.669	125.46	276.81	102	4.02	716
1837VNTC	26	0.38	0.015	1.52	0.060	20.00	0.787	185.87	381.70	120	4.72	1,060
1603VNTC	41	0.38	0.015	1.14	0.045	8.10	0.319	23.79	62.56	48.6	1.91	137
1604VNTC	41	0.38	0.015	1.14	0.045	8.60	0.339	31.78	76.60	51.6	2.03	182
1605VNTC	41	0.38	0.015	1.14	0.045	9.50	0.374	39.85	91.04	57	2.24	228
1606VNTC	41	0.38	0.015	1.14	0.045	10.30	0.406	47.84	105.54	61.8	2.43	273
1607VNTC	41	0.38	0.015	1.14	0.045	10.50	0.413	55.84	116.67	63	2.48	319
1609VNTC	41	0.38	0.015	1.14	0.045	12.50	0.492	71.90	145.92	75	2.95	410
1612VNTC	41	0.38	0.015	1.52	0.060	13.00	0.512	96.02	185.58	78	3.07	547
1615VNTC	41	0.38	0.015	1.52	0.060	15.50	0.610	112.05	211.01	93	3.66	683
1616VNTC	41	0.38	0.015	1.52	0.060	15.80	0.622	128.08	255.55	94.8	3.73	729
1619VNTC	41	0.38	0.015	1.52	0.060	15.50	0.610	152.27	293.50	93	3.66	866
1625VNTC	41	0.38	0.015	1.52	0.060	18.50	0.728	200.58	375.26	111	4.37	1,139
1637VNTC	41	0.38	0.015	2.03	0.080	23.00	0.906	297.08	524.10	138	5.43	137
1650VNTC	41	0.38	0.015	2.03	0.080	25.00	0.984	401.18	726.37	150	5.91	2,278
1403VNTC	7	0.38	0.015	1.14	0.045	9.00	0.354	37.16	82.79	54	2.13	217
1404VNTC	7	0.38	0.015	1.14	0.045	9.30	0.366	49.59	102.71	55.8	2.20	290
1405VNTC	7	0.38	0.015	1.14	0.045	10.00	0.394	62.22	123.20	60	2.36	362
1406VNTC	7	0.38	0.015	1.14	0.045	11.00	0.433	74.12	142.91	66	2.60	435
1407VNTC	7	0.38	0.015	1.14	0.045	11.50	0.453	87.22	160.33	69	2.72	507
1409VNTC	7	0.38	0.015	1.52	0.060	14.00	0.551	112.35	201.71	84	3.31	652
1410VNTC	7	0.38	0.015	1.52	0.060	14.50	0.571	127.00	244.60	87	3.43	724
1412VNTC	7	0.38	0.015	1.52	0.060	15.00	0.591	150.05	278.47	90	3.54	869
1415VNTC	7	0.38	0.015	1.52	0.060	16.50	0.650	189.16	335.80	99	3.90	1,087
1416VNTC	7	0.38	0.015	1.52	0.060	16.80	0.661	203.47	357.59	100.8	3.97	1,159

Questions? Contact Your Account Manager Today!

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VNTC 18 AWG-10 AWG

DWC Part No.	No. of Strands	Insulation Thickness		Jacket Thickness		Overall Diameter (approx.)		Copper Weight (lbs/1000ft)	Approx. Weight (lbs/1000ft)	Bending Radius (min)		Max. Pull Tension (lbs)
		mm	inch	mm	inch	mm	inch			mm	inch	
1419VNTC	7	0.38	0.015	1.52	0.060	18.50	0.728	241.84	413.41	111	4.37	1,377
1425VNTC	7	0.38	0.015	1.52	0.060	21.00	0.827	318.51	531.74	126	4.96	1,811
1437VNTC	7	0.38	0.015	2.03	0.080	24.50	0.965	471.86	790.89	147	5.79	2,681
1450VNTC	7	0.38	0.015	2.03	0.080	27.50	1.083	637.04	1,034.22	165	6.50	3,622
1203VNTC	7	0.38	0.015	1.14	0.045	9.50	0.374	59.27	112.95	57	2.24	346
1204VNTC	7	0.38	0.015	1.14	0.045	11.00	0.433	79.09	141.98	66	2.60	461
1205VNTC	7	0.38	0.015	1.14	0.045	11.50	0.453	99.18	171.71	69	2.72	576
1207VNTC	7	0.38	0.015	1.14	0.045	12.50	0.492	139.03	226.66	75	2.95	806
1209VNTC	7	0.38	0.015	1.52	0.060	15.50	0.610	179.08	286.65	93	3.66	1,037
1212VNTC	7	0.38	0.015	1.52	0.060	17.00	0.669	239.09	370.79	102	4.02	1,382
1215VNTC	7	0.38	0.015	1.52	0.060	18.50	0.728	302.92	456.44	111	4.37	1,728
1219VNTC	7	0.38	0.015	1.52	0.060	20.00	0.787	384.03	565.60	120	4.72	2,189
1225VNTC	7	0.38	0.015	2.03	0.080	24.50	0.965	505.79	734.39	147	5.79	2,880
1237VNTC	7	0.38	0.015	2.03	0.080	27.50	1.083	749.31	1,056.74	165	6.50	4,262
1003VNTC	7	0.51	0.020	1.14	0.045	11.50	0.453	95.02	167.88	69	2.72	549
1004VNTC	7	0.51	0.020	1.14	0.045	13.00	0.512	126.73	213.28	78	3.07	733
1005VNTC	7	0.51	0.020	1.52	0.060	14.50	0.571	158.99	259.84	87	3.43	916
1007VNTC	7	0.51	0.020	1.52	0.060	15.50	0.610	222.89	346.90	93	3.66	1,282
1009VNTC	7	0.51	0.020	1.52	0.060	19.00	0.748	288.81	442.13	114	4.49	1,648
1012VNTC	7	0.51	0.020	1.52	0.060	21.00	0.827	385.51	575.46	126	4.96	2,198
1015VNTC	7	0.51	0.020	1.52	0.060	24.00	0.945	482.34	706.10	144	5.67	2,747
1019VNTC	7	0.51	0.020	1.52	0.060	25.50	1.004	611.56	878.81	153	6.02	3,480

***Maximum Sidewall Pressure - 300lbs

Tolerance - 20.0mm or less of Overall Diameter: $\pm 10\%$ / 20.1 mm or more of Overall Diameter: $\pm 5\%$

Product details and specifications are subject to manufacturing variations and accepted industry tolerances. Please contact your DWC Account Manager with questions or to confirm specific product requirements.

Questions? Contact Your Account Manager Today!

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