

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

DWC Part No.	Conductor Size (AWG)	No. of Conductors	No. of Strands	Insulation Thickness		Jacket Thickness		Overall Diameter (approx.)		Approx. Weight (lbs/1000ft)	Bending Radius (min)		Max. Pull Tension (lbs)
				mm	inch	mm	inch	mm	inch		mm	inch	
1803VNTC	18	3	26	0.38	0.015	1.14	0.045	7.30	0.287	52	43.8	1.72	86
1804VNTC	18	4	26	0.38	0.015	1.14	0.045	8.00	0.315	62	48	1.89	115
1805VNTC	18	5	26	0.38	0.015	1.14	0.045	8.60	0.339	73	51.6	2.03	143
1806VNTC	18	6	26	0.38	0.015	1.14	0.045	9.30	0.366	83	55.8	2.20	172
1807VNTC	18	7	26	0.38	0.015	1.14	0.045	9.35	0.368	91	56.1	2.21	201
1809VNTC	18	9	26	0.38	0.015	1.14	0.045	11.00	0.433	112	66	2.60	258
1812VNTC	18	12	26	0.38	0.015	1.52	0.060	12.00	0.472	139	72	2.83	344
1837VNTC	18	37	26	0.38	0.015	1.52	0.060	20.00	0.787	376	120	4.72	1,060
1603VNTC	16	3	41	0.38	0.015	1.14	0.045	8.10	0.319	68	48.6	1.91	86
1604VNTC	16	4	41	0.38	0.015	1.14	0.045	8.60	0.339	79	51.6	2.03	182
1605VNTC	16	5	41	0.38	0.015	1.14	0.045	9.50	0.374	94	57	2.24	228
1606VNTC	16	6	41	0.38	0.015	1.14	0.045	10.30	0.406	109	61.8	2.43	273
1607VNTC	16	7	41	0.38	0.015	1.14	0.045	10.50	0.413	118	63	2.48	319
1609VNTC	16	9	41	0.38	0.015	1.14	0.045	12.50	0.492	150	75	2.95	410
1612VNTC	16	12	41	0.38	0.015	1.52	0.060	13.00	0.512	189	78	3.07	547
1403VNTC	14	3	7	0.38	0.015	1.14	0.045	9.00	0.354	96	54	2.13	217
1404VNTC	14	4	7	0.38	0.015	1.14	0.045	9.30	0.366	102	55.8	2.20	290
1405VNTC	14	5	7	0.38	0.015	1.14	0.045	10.00	0.394	128	60	2.36	362
1406VNTC	14	6	7	0.38	0.015	1.14	0.045	11.00	0.433	153	66	2.60	435
1407VNTC	14	7	7	0.38	0.015	1.14	0.045	11.50	0.453	179	69	2.72	507
1409VNTC	14	9	7	0.38	0.015	1.52	0.060	14.00	0.551	230	84	3.31	652
1412VNTC	14	12	7	0.38	0.015	1.52	0.060	15.00	0.591	307	90	3.54	869
1203VNTC	12	3	7	0.38	0.015	1.14	0.045	9.50	0.374	153	57	2.24	35
1204VNTC	12	4	7	0.38	0.015	1.14	0.045	11.00	0.433	164	66	2.60	46
1205VNTC	12	5	7	0.38	0.015	1.14	0.045	11.50	0.453	205	69	2.72	58
1207VNTC	12	7	7	0.38	0.015	1.14	0.045	12.50	0.492	224	75	2.95	81
1209VNTC	12	9	7	0.38	0.015	1.52	0.060	15.50	0.610	307	93	3.66	104
1212VNTC	12	12	7	0.38	0.015	1.52	0.060	17.00	0.669	394	102	4.02	138

***Maximum Sidewall Pressure - 300lbs

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.

DWC Part No.	Conductor Size (AWG)	No. of Conductors	No. of Strands	Insulation Thickness		Jacket Thickness		Overall Diameter (approx.)		Approx. Weight (lbs/1000ft)	Bending Radius (min)		Max. Pull Tension (lbs)
				mm	inch	mm	inch	mm	inch		mm	inch	
1003VNTC	10	3	7	0.51	0.020	1.14	0.045	11.50	0.453	168	69	2.72	549
1004VNTC	10	4	7	0.51	0.020	1.14	0.045	13.00	0.512	213	78	3.07	733
1005VNTC	10	5	7	0.51	0.020	1.52	0.060	14.50	0.571	277	87	3.43	916
1007VNTC	10	7	7	0.51	0.020	1.52	0.060	15.50	0.610	361	93	3.66	1,282
1009VNTC	10	9	7	0.51	0.020	1.52	0.060	19.00	0.748	463	114	4.49	1,648
1012VNTC	10	12	7	0.51	0.020	1.52	0.060	21.00	0.827	598	126	4.96	2,198
1015VNTC	10	15	7	0.51	0.020	1.52	0.060	24.00	0.945	763	144	5.67	2,747
1019VNTC	10	19	7	0.51	0.020	1.52	0.060	25.50	1.004	935	153	6.02	3,480

***Maximum Sidewall Pressure - 300lbs

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