

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 E2 18 AWG-10 AWG

DWC Part No.	Conductor Size (AWG)	No. of Conductors	No. of Strands	Insulation Thickness		Jacket Thickness		Overall Diameter (approx.)		Approx. Weight (lbs/1000ft)	Max. Pull Tension (lbs)
				mm	inch	mm	inch	mm	inch		
1803VNTC	18	3	26	0.38	0.015	1.14	0.045	7.30	0.287	52	37
1804VNTC	18	4	26	0.38	0.015	1.14	0.045	8.00	0.315	62	40
1805VNTC	18	5	26	0.38	0.015	1.14	0.045	8.60	0.339	73	50
1806VNTC	18	6	26	0.38	0.015	1.14	0.045	9.30	0.366	83	60
1807VNTC	18	7	26	0.38	0.015	1.14	0.045	9.35	0.368	91	70
1809VNTC	18	9	26	0.38	0.015	1.14	0.045	11.00	0.433	112	90
1812VNTC	18	12	26	0.38	0.015	1.52	0.060	12.00	0.472	139	120
1837VNTC	18	37	26	0.38	0.015	1.52	0.060	20.00	0.787	376	370
1603VNTC	16	3	41	0.38	0.015	1.14	0.045	8.10	0.319	68	61
1604VNTC	16	4	41	0.38	0.015	1.14	0.045	8.60	0.339	79	65
1605VNTC	16	5	41	0.38	0.015	1.14	0.045	9.50	0.374	94	81
1606VNTC	16	6	41	0.38	0.015	1.14	0.045	10.30	0.406	109	97
1607VNTC	16	7	41	0.38	0.015	1.14	0.045	10.50	0.413	118	113
1609VNTC	16	9	41	0.38	0.015	1.14	0.045	12.50	0.492	150	146
1612VNTC	16	12	41	0.38	0.015	1.52	0.060	13.00	0.512	189	195
1403VNTC	14	3	7	0.38	0.015	1.14	0.045	9.00	0.354	96	96
1404VNTC	14	4	7	0.38	0.015	1.14	0.045	9.30	0.366	102	102
1405VNTC	14	5	7	0.38	0.015	1.14	0.045	10.00	0.394	128	128
1406VNTC	14	6	7	0.38	0.015	1.14	0.045	11.00	0.433	153	153
1407VNTC	14	7	7	0.38	0.015	1.14	0.045	11.50	0.453	179	179
1409VNTC	14	9	7	0.38	0.015	1.52	0.060	14.00	0.551	230	230
1412VNTC	14	12	7	0.38	0.015	1.52	0.060	15.00	0.591	307	307
1203VNTC	12	3	7	0.38	0.015	1.14	0.045	9.50	0.374	153	153
1204VNTC	12	4	7	0.38	0.015	1.14	0.045	11.00	0.433	164	164
1205VNTC	12	5	7	0.38	0.015	1.14	0.045	11.50	0.453	205	205

***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.

Questions? Contact Your Account Manager Today!

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DWC Part No.	Conductor Size (AWG)	No. of Conductors	No. of Strands	Insulation Thickness		Jacket Thickness		Overall Diameter (approx.)		Approx. Weight (lbs/1000ft)	Max. Pull Tension (lbs)
				mm	inch	mm	inch	mm	inch		
1207VNTC	12	7	7	0.38	0.015	1.14	0.045	12.50	0.492	224	287
1209VNTC	12	9	7	0.38	0.015	1.52	0.060	15.50	0.610	307	369
1212VNTC	12	12	7	0.38	0.015	1.52	0.060	17.00	0.669	394	492
1003VNTC	10	3	7	0.51	0.020	1.14	0.045	11.50	0.453	168	244
1004VNTC	10	4	7	0.51	0.020	1.14	0.045	13.00	0.512	213	260
1005VNTC	10	5	7	0.51	0.020	1.52	0.060	14.50	0.571	277	325
1007VNTC	10	7	7	0.51	0.020	1.52	0.060	15.50	0.610	361	455
1009VNTC	10	9	7	0.51	0.020	1.52	0.060	19.00	0.748	463	585
1012VNTC	10	12	7	0.51	0.020	1.52	0.060	21.00	0.827	598	781
1015VNTC	10	15	7	0.51	0.020	1.52	0.060	24.00	0.945	763	976
1019VNTC	10	19	7	0.51	0.020	1.52	0.060	25.50	1.004	935	1236

VNTC with Ground E2

DWC Part No.	Conductor Size (AWG)	No. of Conductors	No. of Strands	Ground Size (AWG)	Insulation Thickness		Jacket Thickness		Overall Diameter (approx.)		Approx. Weight (lbs/1000ft)	Max. Pull Tension (lbs)
					mm	inch	mm	inch	mm	inch		
1203VNGTC	12	3	7	12	0.38	0.015	1.14	0.045	10.50	0.413	135	164
1003VNGTC	10	3	7	10	0.51	0.020	1.14	0.045	12.50	0.492	202	260

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