

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.)	
				mm	inch	mm	inch	mm	inch
1803VNTC	18	3	26	0.38	0.015	1.14	0.045	7.30	0.287
1804VNTC	18	4	26	0.38	0.015	1.14	0.045	8.00	0.315
1805VNTC	18	5	26	0.38	0.015	1.14	0.045	8.60	0.339
1806VNTC	18	6	26	0.38	0.015	1.14	0.045	9.30	0.366
1807VNTC	18	7	26	0.38	0.015	1.14	0.045	9.35	0.368
1809VNTC	18	9	26	0.38	0.015	1.14	0.045	11.00	0.433
1812VNTC	18	12	26	0.38	0.015	1.52	0.060	12.00	0.472
1837VNTC	18	37	26	0.38	0.015	1.52	0.060	20.00	0.787
1603VNTC	16	3	41	0.38	0.015	1.14	0.045	8.10	0.319
1604VNTC	16	4	41	0.38	0.015	1.14	0.045	8.60	0.339
1605VNTC	16	5	41	0.38	0.015	1.14	0.045	9.50	0.374
1606VNTC	16	6	41	0.38	0.015	1.14	0.045	10.30	0.406
1607VNTC	16	7	41	0.38	0.015	1.14	0.045	10.50	0.413
1609VNTC	16	9	41	0.38	0.015	1.14	0.045	12.50	0.492
1612VNTC	16	12	41	0.38	0.015	1.52	0.060	13.00	0.512
1615VNTC	16	15	41	0.38	0.015	1.52	0.060	15.50	0.610
1650VNTC	16	50	41	0.38	0.015	2.03	0.080	25.00	0.984
1403VNTC	14	3	7	0.38	0.015	1.14	0.045	9.00	0.354
1404VNTC	14	4	7	0.38	0.015	1.14	0.045	9.30	0.366
1405VNTC	14	5	7	0.38	0.015	1.14	0.045	10.00	0.394
1406VNTC	14	6	7	0.38	0.015	1.14	0.045	11.00	0.433
1407VNTC	14	7	7	0.38	0.015	1.14	0.045	11.50	0.453
1409VNTC	14	9	7	0.38	0.015	1.52	0.060	14.00	0.551
1412VNTC	14	12	7	0.38	0.015	1.52	0.060	15.00	0.591
1415VNTC	14	15	7	0.38	0.015	1.52	0.060	16.50	0.650
1450VNTC	14	50	7	0.38	0.015	2.03	0.080	27.50	1.083
1203VNTC	12	3	7	0.38	0.015	1.14	0.045	9.50	0.374
1204VNTC	12	4	7	0.38	0.015	1.14	0.045	11.00	0.433
1205VNTC	12	5	7	0.38	0.015	1.14	0.045	11.50	0.453

DWC Part No.	Conductor Size (AWG)	No. of Conductors	No. of Strands	Insulation Thickness		Jacket Thickness		Overall Diameter (approx.)	
				mm	inch	mm	inch	mm	inch
1207VNTC	12	7	7	0.38	0.015	1.14	0.045	12.50	0.492
1209VNTC	12	9	7	0.38	0.015	1.52	0.060	15.50	0.610
1212VNTC	12	12	7	0.38	0.015	1.52	0.060	17.00	0.669
1003VNTC	10	3	7	0.51	0.020	1.14	0.045	11.50	0.453
1004VNTC	10	4	7	0.51	0.020	1.14	0.045	13.00	0.512
1005VNTC	10	5	7	0.51	0.020	1.52	0.060	14.50	0.571
1007VNTC	10	7	7	0.51	0.020	1.52	0.060	15.50	0.610
1009VNTC	10	9	7	0.51	0.020	1.52	0.060	19.00	0.748
1012VNTC	10	12	7	0.51	0.020	1.52	0.060	21.00	0.827
1015VNTC	10	15	7	0.51	0.020	1.52	0.060	24.00	0.945
1019VNTC	10	19	7	0.51	0.020	1.52	0.060	25.50	1.004

VNTC with Ground E2

DWC Part No.	Conductor Size (AWG)	No. of Conductors	No. of Strands	Ground Size	Insulation Thickness		Jacket Thickness		Overall Diameter (approx.)	
					mm	inch	mm	inch	mm	inch
1203VNGTC	12	3	7	12	0.38	0.015	1.14	0.045	10.50	0.413
1003VNGTC	10	3	7	10	0.51	0.020	1.14	0.045	12.50	0.492

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.