

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 4

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

VNGTC 8 AWG-500 MCM

DWC Part No.	Conductor Size (AWG/MCM)	No. of Conductors	No. of Strands	Ground Size (AWG)	Insulation Thickness		Jacket Thickness		Overall Diameter (approx.)	
					mm	inch	mm	inch	mm	inch
0803VNGTC	8	3	7	10	0.76	0.030	1.52	0.060	16.50	0.650
0804VNGTC	8	4	7	10	0.76	0.030	1.52	0.060	18.00	0.709
0603VNGTC	6	3	7	8	0.76	0.030	1.52	0.060	19.00	0.748
0604VNGTC	6	4	7	8	0.76	0.030	1.52	0.060	20.50	0.807
0403VNGTC	4	3	7	8	1.02	0.040	2.03	0.080	24.00	0.945
0404VNGTC	4	4	7	8	1.02	0.040	2.03	0.080	26.50	1.043
0303VNGTC	3	3	7	8	1.02	0.040	2.03	0.080	25.50	1.004
0304VNGTC	3	4	7	8	1.02	0.040	2.03	0.080	28.00	1.102
0203VNGTC	2	3	19	6	1.02	0.040	2.03	0.080	27.50	1.083
0204VNGTC	2	4	19	6	1.02	0.040	2.03	0.080	30.00	1.181
0102VNGTC	1	2	19	6	1.27	0.050	2.03	0.080	28.50	1.122
0103VNGTC	1	3	19	6	1.27	0.050	2.03	0.080	31.50	1.240
0104VNGTC	1	4	19	6	1.27	0.050	2.03	0.080	34.50	1.358
1/002VNGTC	1/0	2	19	6	1.27	0.050	2.03	0.080	30.50	1.201
1/003VNGTC	1/0	3	19	6	1.27	0.050	2.03	0.080	34.00	1.339
1/004VNGTC	1/0	4	19	6	1.27	0.050	2.03	0.080	37.00	1.457
2/002VNGTC	2/0	2	19	6	1.27	0.050	2.03	0.080	33.00	1.299
2/003VNGTC	2/0	3	19	6	1.27	0.050	2.03	0.080	37.00	1.457
2/004VNGTC	2/0	4	19	6	1.27	0.050	2.03	0.080	40.50	1.594
3/002VNGTC	3/0	2	19	4	1.27	0.050	2.03	0.080	35.50	1.398
3/003VNGTC	3/0	3	19	4	1.27	0.050	2.03	0.080	40.00	1.575
3/004VNGTC	3/0	4	19	4	1.27	0.050	2.79	0.110	45.00	1.772
4/002VNGTC	4/0	2	19	4	1.27	0.050	2.03	0.080	39.00	1.535
4/003VNGTC	4/0	3	19	4	1.27	0.050	2.79	0.110	45.00	1.772
4/004VNGTC	4/0	4	19	4	1.27	0.050	2.79	0.110	49.50	1.949
25003VNGTC	250	3	37	4	1.52	0.060	2.79	0.110	49.00	1.929
25004VNGTC	250	4	37	4	1.52	0.060	2.79	0.110	53.50	2.106
30003VNGTC	300	3	37	4	1.52	0.060	2.79	0.110	48.00	1.890
30004VNGTC	300	4	37	3	1.52	0.060	2.79	0.110	53.00	2.087
35003VNGTC	350	3	37	3	1.52	0.060	2.79	0.110	51.50	2.028
35004VNGTC	350	4	37	3	1.52	0.060	2.79	0.110	57.00	2.244
50003VNGTC	500	3	37	2	1.52	0.060	2.79	0.110	59.00	2.323
50004VNGTC	500	4	37	2	1.52	0.060	2.79	0.110	65.00	2.559

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!

888-439-2947

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