



VNGTC 8 AWG – 750 MCM

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: Clear nylon 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

Flame Test: IEEE 383 (70,000 BTU/hr) Flame Test | ICEA (210,000 BTU/hr) flame Test

Color Code: ICEA Method 4 | [Click here](#)

Additional Standards: UL Type TC per Article 336 of the NEC | UL Type TC-ER Rated for Exposed Run

DWC Part #	AWG Size	# of Strands	# of Conductors	Ground Wire Size	Jacket Thickness In Mils	Insulation Thickness In Mils	O.D. Inch	Weight Lbs/MFT
0803VNGTC	8	7/19	3	10	.060	.030	.570	288
0804VNGTC	8	7/19	4	10	.060	.030	.660	385
0603VNGTC	6	7/19	3	8	.060	.030	.610	415
0604VNGTC	6	7/19	4	8	.060	.030	.670	549
0403VNGTC	4	7/19	3	8	.080	.040	.780	650
0404VNGTC	4	7/19	4	8	.080	.040	.950	806
0203VNGTC	2	7/19	3	6	.080	.040	.910	957
0204VNGTC	2	7/19	4	6	.080	.040	1.050	1195
0103VNGTC	1	7/19	3	6	.080	.040	1.210	1395
1/003VNGTC	1/0	19	3	6	.080	.050	1.280	1447
2/003VNGTC	2/0	19	3	6	.080	.050	1.350	1737
3/003VNGTC	3/0	19	3	4	.080	.050	1.410	2200
4/003VNGTC	4/0	19	3	4	.080	.050	1.580	2595
25003VNGTC	250	37	3	4	.110	.060	1.750	3123
35003VNGTC	350	37	3	3	.110	.060	2.150	4204
50003VNGTC	500	37	3	2	.110	.060	2.230	5792
75003VNGTC	750	37	3	3	.110	.060	2.820	9060

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

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