

## VNTC TRAY CABLE- 3 CONDUCTOR WITHOUT GROUND TYPE TC-ER , SUNLIGHT RESISTANT , DIRECT BURIAL THHN CONDUCTORS , PVC JACKET , 600VOLTS , UL 1277

### CONSTRUCTION:

**CONDUCTOR** CLASS B STRANDED BARE COPPER PER ASTM B-3.

**INSULATION** POLYVINYLCHLORIDE WITH NYLON JACKET TYPE THHN/THWN PER UL 83 (GASOLINE AND OIL RESISTANT)

**CONDUCTOR IDENTIFICATION** INSULATED CONDUCTORS COLOR CODED PER ICEA METHOD 4 (BLACK CONDUCTORS WITH PRINTED NUMBERS).

**ASSEMBLY** CONDUCTORS CABLED TOGETHER WITH CABLE TAPE.

**OVERALL JACKET** SUNLIGHT RESISTANT, FLAME RETARDANT, BLACK PVC PER UL 1277, WHICH PROTECTS AGAINST HEAT, FLAME, CHEMICALS, MOISTURE, AND MECHANICAL DAMAGE.

Charlotte Wire Part#	3 Cond'r Cable Size	Number of Strands	Insulation Thickness (in.)		Jacket Thickness (in.)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
			PVC	Nylon			
CW02401-NG	8	7	.030"	.005"	.060"	.62"	268
CW02402-NG	6	7	.030"	.005"	.060"	.69"	390
CW02403-NG	4	7	.040"	.006"	.080"	.88"	615
CW02404-NG	2	7	.040"	.006"	.080"	1.01"	905
CW02405-NG	1	19	.050"	.007"	.080"	1.15"	1178
CW02406-NG	1/0	19	.050"	.007"	.080"	1.22"	1410
CW02407-NG	2/0	19	.050"	.007"	.080"	1.32"	1720
CW02408-NG	3/0	19	.050"	.007"	.080"	1.43"	2080
CW02409-NG	4/0	19	.050"	.007"	.110"	1.55"	2540
CW02410-NG	250MCM	37	.060"	.008"	.110"	1.76"	3090
CW02411-NG	350MCM	37	.060"	.008"	.110"	1.97"	4140
CW02412-NG	500MCM	37	.060"	.008"	.110"	2.26"	5890
CW02416-NG	600MCM	61	.070"	.009"	.110"	2.55"	7095
CW02413-NG	750MCM	61	.070"	.009"	.110"	2.83"	8770

### APPLICATION:

Power circuits rated 600Volts, 90Degrees C in dry locations and 75Degrees C in wet locations. Per NEC Articles 336 and 392, approved for installation in  
 1) raceways and cable tray systems including ladders, troughs, channels, solid bottom trays, and other similar structures,  
 2) aerial locations where supported by a messenger wire, and  
 3) hazardous locations per Art.501 Class 1 Division 2.

### STANDARDS:

UL Standard 1277 for Type TC Cables.  
 Passes UL and IEEE383 70,000BTU Flame Test.  
 UL Standard 83 for THHN Conductors.  
 NEC Articles 336 and 392 for Tray Cable uses and constructions.  
 TC-ER rated cables comply with crush and impact requirements of MC cable.