



“Taking Care of Business”

toll free: 800-929-9473

VNTC COMPOSITE POWER AND CONTROL 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 A STRANDED COPPER GROUND WIRE IN ONE OF THE INTERSTICES, SUITABLE FILLERS FOR ROUNDNESS WHERE NEEDED, AND 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#	Power Conductors			Control Conductors		Jacket	Overall	Approx.
	Cable Size	No. of Cond'rs	Ground Size	Cable Size	No. of Cond'rs	Thickness (in.)	Diameter (in.)	Net Wt. (Lbs/Mft)
CW02460	12	3	1 - #12	14	4	.045"	.47"	205
CW02461	10	3	1 - #10	14	4	0.60"	.58"	280
CW02462	8	3	1 - #10	14	4	0.60"	.68"	370
CW02463	6	3	1 - #8	14	4	0.60"	.75"	475
CW02464	4	3	1 - #8	14	4	0.80"	.95"	730
CW02465	2	3	1 - #6	14	4	0.80"	1.04"	1040
CW02466	10	3	1 - #10	12	4	0.60"	.60"	310
CW02467	8	3	1 - #10	12	4	0.60"	.72"	410
CW02468	6	3	1 - #8	12	4	0.60"	.78"	515
CW02469	4	3	1 - #8	12	4	0.80"	.98"	765
CW02470	2	3	1 - #6	12	4	0.80"	1.05"	1070

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.