Charlotte™ Wire & Cable Company Inc.

"Taking Care of Business"

toll free: 800-929-9473

VNTC TRAY CABLE - #14AWG NONSHIELDED

TYPE TC-ER SUNLIGHT RESISTANT, DIRECT BURIAL
THHN CONDUCTORS, PVC JACKET, 600VOLTS, UL 1277

CONSTRUCTION:

CONDUCTOR SOFT DRAWN STRANDED BARE COPPER PER ASTM B-3.

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

CONDUCTOR IDENTIFICATION INSULATED CONDUCTORS ARE COLOR CODED PER ICEA METHOD 1 TABLE E-2*.

ASSEMBLY CONDUCTORS ARE CABLED TOGETHER WITH A SUITABLE TAPE SEPARATOR AS NEEDED.

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

Charlotte Wire Part#	Size AWG	Number of Conductors	Insulation Thickness (in.)	Nylon Thickness (in.)	Jacket Thickness (in.)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW02200**	14	2	.015"	.004"	.045"	.21X.33"	58
CW02201	14	3	.015"	.004"	.045"	.35"	78
CW02203	14	4	.015"	.004"	.045"	.38"	100
CW02204	14	5	.015"	.004"	.045"	.41"	117
CW02205	14	6	.015"	.004"	.045"	.44"	140
CW02206	14	7	.015"	.004"	.045"	.44"	155
CW02207	14	9	.015"	.004"	.045"	.52"	195
CW02208	14	10	.015"	.004"	.060"	.58"	230
CW02209	14	12	.015"	.004"	.060"	.60"	268
CW02210	14	16	.015"	.004"	.060"	.66"	340
CW02211	14	19	.015"	.004"	.060"	.70"	400
CW02212	14	20	.015"	.004"	.060"	.73"	420
CW02213	14	25	.015"	.004"	.060"	.81"	518
CW02214	14	30	.015"	.004"	.080"	.91"	643
CW02215	14	37	.015"	.004"	.080"	.98"	775
CW02216	14	50	.015"	.004"	.080"	1.11"	1021

*To specify ICEA Method 1 Table E-1, add suffix "M1" to Charlotte Wire part number.
To specify ICEA Method 4 (black with printed numbers), add suffix "M4" to Charlotte Wire part number.
**2/c is flat construction and TC only. TC-ER rating applies to 3 conductors or more.

APPLICATION:

Control, Instrumentation, Signal or Lighting circuits rated 600Volts or less where circuit protection from ambient electrical interference is needed. May be used as sunlight resistant, directly buried, and wet or dry 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) lighting, control, and signal circuits,
3) aerial locations where supported by a messenger wire,
4) hazardous locations per Art.501 Class 1 Division 2, and
5) Class 1 circuits as permitted in NEC Article 725.

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.