Charlotte™ Wire & Cable Company Inc.

"Taking Care of Business"

toll free: 800-929-9473

VNTC TRAY CABLE -#16AWG NONSHIELDED
TYPE TC-ER SUNLIGHT RESISTANT, DIRECT BURIAL
TFN CONDUCTORS, PVC JACKET, 600VOLTS, UL 1277

CONSTRUCTION:

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

INSULATION POLYVINYLCHLORIDE WITH NYLON JACKET TYPE TFN PER UL 62 (GASOLINE AND OIL RESISTANT).

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

ASSEMBLY CONDUCTORS ARE CABLED TOGETHER WITH 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)
CW02100*	16	2	.015"	.004"	.045"	*.21"x.31"	45
CW02101	16	3	.015"	.004"	.045"	.32"	60
CW02102	16	4	.015"	.004"	.045"	.34"	75
CW02103	16	5	.015"	.004"	.045"	.37"	94
CW02104	16	6	.015"	.004"	.045"	.41"	106
CW02105	16	7	.015"	.004"	.045"	.41"	115
CW02106	16	8	.015"	.004"	.045"	.43"	130
CW02107	16	9	.015"	.004"	.045"	.46"	146
CW02108	16	10	.015"	.004"	.045"	.48"	162
CW02109	16	12	.015"	.004"	.045"	.51"	193
CW02110	16	15	.015"	.004"	.060"	.59"	238
CW02111	16	16	.015"	.004"	.060"	.61"	252
CW02112	16	19	.015"	.004"	.060"	.63"	290
CW02113	16	20	.015"	.004"	.060"	.65"	305
CW02114	16	25	.015"	.004"	.060"	.73"	370
CW02115	16	30	.015"	.004"	.060"	.78"	448
CW02116	16	37	.015"	.004"	.080"	.88"	573
CW02117	16	50	.015"	.004"	.080"	.99"	712

*2/c is flat construction and TC only. TC-ER rating applies to 3 conductors or more.

APPLICATION:

Control, Signal, or Lighting circuits rated 600Volts. 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 62 for TFN Conductors.
NEC Articles 336 and 392 for Tray Cable uses and constructions.
TC-ER rated cables comply with crush and impact requirements of MC cables.