

VNTC TRAY CABLE - #18AWG 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)
CW02001*	18	2	.015"	.004"	.045"	*.19X.29"	35
CW02002	18	3	.015"	.004"	.045"	.29"	47
CW02003	18	4	.015"	.004"	.045"	.31"	55
CW02004	18	5	.015"	.004"	.045"	.34"	66
CW02005	18	6	.015"	.004"	.045"	.36"	76
CW02006	18	7	.015"	.004"	.045"	.36"	84
CW02007	18	8	.015"	.004"	.045"	.39"	95
CW02008	18	9	.015"	.004"	.045"	.42"	110
CW02009	18	10	.015"	.004"	.045"	.45"	120
CW02010	18	12	.015"	.004"	.045"	.46"	136
CW02011	18	15	.015"	.004"	.045"	.51"	175
CW02012	18	19	.015"	.004"	.060"	.58"	220
CW02013	18	25	.015"	.004"	.060"	.65"	280
CW02014	18	30	.015"	.004"	.060"	.71"	310
CW02015	18	37	.015"	.004"	.060"	.76"	380

*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 cable.