

**VNTC TRAY CABLE COLOR CODE BLACK-WHITE-GREEN
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/THWN PER UL 83 (GASOLINE AND OIL RESISTANT) ON SIZES 14-10AWG. 16AWG ITEM IS TYPE TFN PER UL 62.

CONDUCTOR IDENTIFICATION COLOR CODE OF BLACK - WHITE - GREEN.

ASSEMBLY CONDUCTORS ARE CABLED TOGETHER WITH SUITABLE TAPE SEPARATOR AS NEEDED

OVERALL JACKET OVERALL JACKET: SUNLIGHT RESISTANT, FLAME RETARDANT BLACK PVC PER UL1277, 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) |
|----------------------|----------|----------------------|----------------------------|-----------------------|------------------------|------------------------|---------------------------|
| CW02101BWG | 16 | 3 | .015" | .004" | .045" | .32" | 58 |
| CW02201BWG | 14 | 3 | .015" | .004" | .045" | .35" | 78 |
| CW02301BWG | 12 | 3 | .015" | .004" | .045" | .38" | 108 |
| CW02327BWG | 10 | 3 | .020" | .004" | .045" | .46" | 157 |

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,
- 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.

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.