

# TRAY CABLE

## #14 AWG - #2 AWG VNTC TRAY CABLE TYPE TC / TC-ER-JP- 600V THHN/THWN-2 INSULATION- WITH GROUND- SHIELDED- PVC JACKET

### APPLICATIONS

Primarily used for power, control, signal, communication, and lighting circuits in commercial and industrial environments. Suitable for installations in cable trays, supported by messenger wire in open air, raceways, channels, conduits and ducts. Approved for direct burial applications and outdoors in cable trays where sunlight resistant is required. Also may be installed in wet or dry locations. Applications not exceeding 600 volts.

### CONDUCTORS:

Concentric stranded soft drawn annealed bare copper per ASTM B3 and B8 compressed in class B stranding.

### INSULATION:

High dielectric strength, heat and moisture-resistant, colored Polyvinyl-chloride (PVC) with a Nylon jacket, Gasoline and Oil Resistant II

### ASSEMBLY:

The insulated conductors are cabled together with a binder tape. Nylon rip-cord is supplied for easy stripping.

### GROUND:

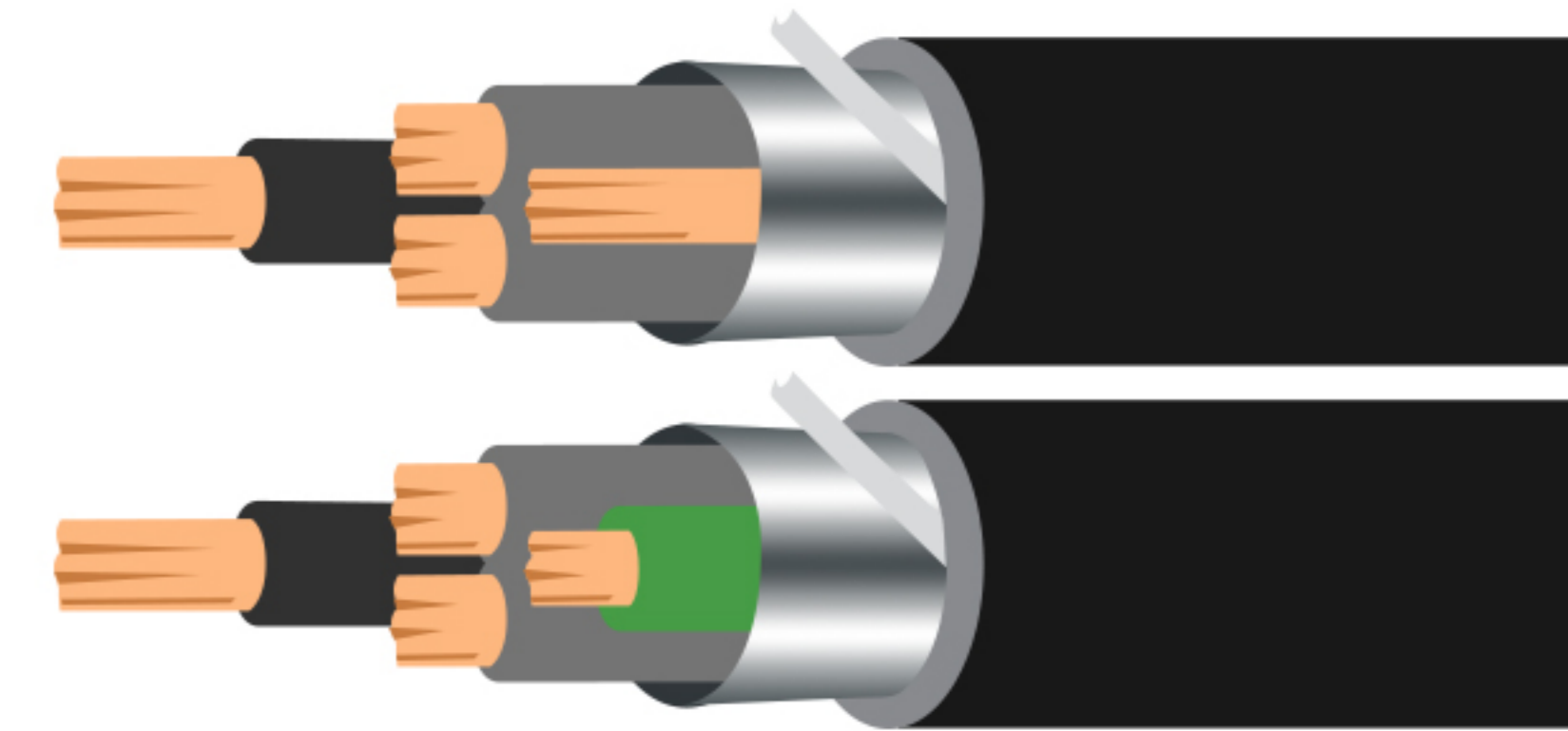
Bare copper conductor or insulated green PVC insulation, jacketed in nylon.

### SHIELD:

Aluminum - Mylar shield with #22AWG tinned copper drain wire.

### COLOR CODE:

ICEA Method 1, Table E-2



### JACKET:

Flame retardant, sunlight-resistant, Black PVC jacket extruded over the assembly, rated 90°C, WET/DRY

### STANDARDS:

- UL 1277, UL 83
- UL listed as Type TC or Exposed Run TC-ER-JP, Sunlight Resistant, Direct Burial
- UL 1685 Vertical-Tray Fire Propagation and Smoke Release test
- Flame Rated FT4 IEEE 1202 (70,000 BTU)
- ICEA S-95-658/ NEMA WC-70
- ASTM B3, ASTM B8
- NEC Article 336, Article 501, Article 725 for class 1 circuits

### OPTIONS:

- Other available color codes: ICEA Method 1 Table E-1 or ICEA Method 4 or custom colors and print legend
- Tinned conductors
- Solid conductors
- Composite Constructions
- Overall mylar wrapping
- Jacket available in 12 colors
- Custom lengths

ARRA 2009 Section 1605 " Buy American" Compliant, BABA Compliant

| Cond # | Color  | Tracer | Cond # | Color  | Tracer | Cond # | Color  | Tracer |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1      | Black  | --     | 13     | Blue   | Red    | 25     | Yellow | Orange |
| 2      | Red    | --     | 14     | Orange | Red    | 26     | Brown  | Orange |
| 3      | Blue   | --     | 15     | Yellow | Red    | 27     | Black  | Yellow |
| 4      | Orange | --     | 16     | Brown  | Red    | 28     | Red    | Yellow |
| 5      | Yellow | --     | 17     | Black  | Blue   | 29     | Blue   | Yellow |
| 6      | Brown  | --     | 18     | Red    | Blue   | 30     | Orange | Yellow |
| 7      | Red    | Black  | 19     | Orange | Blue   | 31     | Brown  | Yellow |
| 8      | Blue   | Black  | 20     | Yellow | Blue   | 32     | Black  | Brown  |
| 9      | Orange | Black  | 21     | Brown  | Blue   | 33     | Red    | Brown  |
| 10     | Yellow | Black  | 22     | Black  | Orange | 34     | Blue   | Brown  |
| 11     | Brown  | Black  | 23     | Red    | Orange | 35     | Orange | Brown  |
| 12     | Black  | Red    | 24     | Blue   | Orange | 36     | Yellow | Brown  |



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## #14 AWG- #2 AWG VNTC TRAY CABLE SHIELDED WITH GROUND

| AWG | Number of Conductors | Ground Wire AWG | Jacket Thickness (mils) | Overall Diameter (in) | Approx Net Weight (lbs./1000') |
|-----|----------------------|-----------------|-------------------------|-----------------------|--------------------------------|
| 14  | 3                    | 14              | 45                      | 0.38                  | 100                            |
| 12  | 2                    | 12              | 45                      | 0.41                  | 147                            |
| 12  | 3                    | 12              | 60                      | 0.45                  | 138                            |
| 10  | 2                    | 10              | 60                      | 0.47                  | 169                            |
| 10  | 3                    | 10              | 60                      | 0.48                  | 205                            |
| 8   | 2                    | 10              | 60                      | 0.51                  | 227                            |
| 8   | 3                    | 10              | 60                      | 0.64                  | 328                            |
| 8   | 4                    | 10              | 80                      | 0.70                  | 373                            |
| 6   | 2                    | 8               | 60                      | 0.69                  | 360                            |
| 6   | 3                    | 8               | 80                      | 0.72                  | 427                            |
| 6   | 4                    | 8               | 80                      | 0.79                  | 556                            |
| 4   | 2                    | 8               | 80                      | 0.77                  | 495                            |
| 4   | 3                    | 8               | 80                      | 0.89                  | 653                            |
| 4   | 4                    | 8               | 80                      | 0.97                  | 845                            |
| 3   | 2                    | 6               | 80                      | 0.93                  | 785                            |
| 3   | 3                    | 6               | 80                      | 0.96                  | 815                            |
| 2   | 2                    | 6               | 80                      | 0.94                  | 760                            |
| 2   | 3                    | 6               | 80                      | 0.102                 | 968                            |

