

Tray Cable

4C w/Ground, Type TC-ER, PVC/Nylon, PVC, 600V

PRODUCT CONSTRUCTION

Conductor: 8 AWG through 500 kcmil bare, annealed copper per ASTM B3. Class B stranding per ASTM B8.

Insulation: Flame-retardant Polyvinyl Chloride (PVC) with clear Polyamide (nylon). Color-coded per ICEA Method 4; individual conductors colored black with conductor number surface printed in contrasting ink.

Jacket: Lead-free, flame-retardant, sunlight-resistant Polyvinyl Chloride (PVC).



APPLICATIONS

In free air, raceways or direct burial. In wet or dry locations. For use in Class 1, Division 2 industrial hazardous locations per NEC. Permitted for Exposed Run (ER) use in accordance with NEC for three or more conductors.

FEATURES

Rated at 90°C dry, 75° wet. Provides outstanding sunlight, cold bend and cold impact resistance. Provides good oil and chemical resistance. Meets cold bend text at -25°C.

COMPLIANCES

Industry: NEC Type THHN/THWN conductors. UL 1277 Type TC-ER, UL 1581. ICEA S-95-658/NEMA WC70.

Flame Test: UL 1685 Vertical Flame Test. IEEE 383. IEEE 1202. CSA FT4.

Other: EPA 40 CFR, Part 261, for leachable lead content per TCLP. OSHA acceptable. RoHS compliant.

| COPPER WIRE AND CABLE PART # | SIZE (AWG OR KCMIL) | NO. OF STRANDS | THICKNESS IN MILS | | | NOMINAL DIAMETER (INCHES) | GROUNDING CONDUCTOR SIZE' (AWG) | APPROX. NET WT. (LBS./1000 FT.) | COPPER WEIGHT (LBS./1000 FT.) | AMPACITY* | |
|------------------------------|---------------------|----------------|-------------------|--------------|--------------------|---------------------------|---------------------------------|---------------------------------|-------------------------------|-----------|----------|
| | | | PVC INSULATION | NYLON JACKET | OVERALL PVC JACKET | | | | | 90°C DRY | 75°C WET |
| CWC 8-04VNGTC | 8 | 7 | 30 | 5 | 60 | .66 | 10 | 373 | 241 | 55 | 50 |
| CWC 6-04VNGTC | 6 | 7 | 30 | 5 | 60 | .76 | 8 | 533 | 383 | 75 | 65 |
| CWC 4-04VNGTC | 4 | 7 | 40 | 6 | 80 | .97 | 8 | 824 | 578 | 95 | 85 |
| CWC 2-04VNGTC | 2 | 7 | 40 | 6 | 80 | 1.10 | 6 | 1227 | 919 | 130 | 115 |
| CWC 1/0-04VNGTC | 1/0 | 19 | 50 | 7 | 80 | 1.36 | 6 | 1830 | 1413 | 170 | 150 |
| CWC 2/0-04VNGTC | 2/0 | 19 | 50 | 7 | 80 | 1.46 | 6 | 2252 | 1760 | 195 | 175 |
| CWC 4/0-04VNGTC | 4/0 | 19 | 50 | 7 | 80 | 1.77 | 4 | 3502 | 2796 | 260 | 230 |
| CWC 250-04VNGTC | 250 | 37 | 60 | 8 | 110 | 1.95 | 4 | 4107 | 3281 | 290 | 255 |
| CWC 350-04VNGTC | 350 | 37 | 60 | 8 | 110 | 2.19 | 3 | 5585 | 4586 | 350 | 310 |
| CWC 500-04VNGTC | 500 | 37 | 60 | 8 | 110 | 2.51 | 2 | 7694 | 6509 | 430 | 380 |

*AMPACITY in accordance with the NEC for cables in uncovered cable tray without maintained spacing and for cables in raceway or directly buried; 90 °C conductor temperature for dry locations, 75 °C conductor temperature for wet locations, 30 °C ambient temperature.

1NOTE: Grounding conductor per UL Standard 1277 for Type TC Tray Cable.