

# TRAY CABLE



- ▶ **4C w/Ground**
- ▶ **PVC/Nylon**
- ▶ **PVC**
- ▶ **Type TC-ER**
- ▶ **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.

## Four Conductors With Grounding Conductor

USAWC Part #	Size (AWG or kcmil)	No. of Strands	Thickness in Mils			Nominal Diameter (Inches)	Grounding Conductor Size <sup>1</sup> (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
USA8-04VNGTC	8	7	30	5	60	.66	10	373	241	55	50
USA6-04VNGTC	6	7	30	5	60	.76	8	533	383	75	65
USA4-04VNGTC	4	7	40	6	80	.97	8	824	578	95	85
USA2-04VNGTC	2	7	40	6	80	1.10	6	1227	919	130	115
USA1/0-04VNGTC	1/0	19	50	7	80	1.36	6	1830	1413	170	150
USA2/0-04VNGTC	2/0	19	50	7	80	1.46	6	2252	1760	195	175
USA4/0-04VNGTC	4/0	19	50	7	80	1.77	4	3502	2796	260	230
USA250-04VNGTC	250	37	60	8	110	1.95	4	4107	3281	290	255
USA350-04VNGTC	350	37	60	8	110	2.19	3	5585	4586	350	310
USA500-04VNGTC	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.

<sup>1</sup>NOTE: Grounding conductor per UL Standard 1277 for Type TC Tray Cable.