

TRAY CABLE



- ▶ **3C w/Ground**
- ▶ **PVC/Nylon**
- ▶ **PVC**
- ▶ **Type TC-ER**
- ▶ **600V**

PRODUCT CONSTRUCTION

Conductor: 8 AWG through 1000 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.

Three Conductors With Grounding Conductor

USAWC 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
USA8-03VNGTC	8	7	30	5	60	.62	10	315	189	55	50
USA6-03VNGTC	6	7	30	5	60	.70	8	445	300	75	65
USA4-03VNGTC	4	7	40	6	80	.88	8	675	446	95	85
USA2-03VNGTC	2	7	40	6	80	1.01	6	995	710	130	115
USA1-03VNGTC	1	19	50	7	80	1.14	6	1200	855	150	130
USA1/0-03VNGTC	1/0	19	50	7	80	1.23	6	1480	1080	170	150
USA2/0-03VNGTC	2/0	19	50	7	80	1.32	6	1770	1340	195	175
USA3/0-03VNGTC	3/0	19	50	7	80	1.43	4	2180	1683	225	200
USA4/0-03VNGTC	4/0	19	50	7	80	1.56	4	2690	2130	260	230
USA250-03VNGTC	250	37	60	8	110	1.76	4	3225	2494	290	255
USA350-03VNGTC	350	37	60	8	110	1.98	3	4370	3474	350	310
USA500-03VNGTC	500	37	60	8	110	2.26	2	5960	4934	430	380
USA750-03VNGTC	750	61	70	9	110	2.71	1	9050	7206	535	475
USA1000-03VNGTC	1000	61	70	9	140	3.10	1/0	11720	9584	615	545

*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.