

TRAY CABLE



- ▶ 3C w/Ground
- ▶ FR-EPR
- ▶ CPE
- ▶ Type TC-ER
- ▶ 600V

PRODUCT CONSTRUCTION

Conductor: 8 AWG through 1000 kcmil tinned, annealed copper per ASTM B33. Class B stranding per ASTM B8.

Insulation: Flame-retardant Ethylene Propylene Rubber (FR-EPR) Type II. Color-coded per ICEA Method 4; individual conductors colored black with conductor number surface printed in contrasting ink.

Jacket: Lead-free, flame-retardant thermoplastic Chlorinated Polyethylene (CPE).

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 Division 2 industrial hazardous locations per NEC. Permitted for Exposed Run (ER)

FEATURES

Rated at 90°C wet or dry. Excellent physical, thermal and electrical properties. Excellent resistance to moisture and flame. Sunlight- and weather-resistant. Meets cold bend test at -40°C.

COMPLIANCES

Industry: UL 44 Type XHHW-2. UL 1277 Type TC-ER. UL 1581. ICEA S-73-532/NEMA WC57.

Flame Test: UL 1581/UL 2556 VW-1. UL 1685 Vertical Flame Test. IEEE 383. IEEE 1202. CSA FT4. ICEA T-29-520.

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

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*	
			Insulation	Jacket					90°C	
USA14-03EPGCPETC	14	7	30	45	.39	14	118	55	25	
USA12-03EPGCPETC	12	7	30	45	.44	12	160	87	30	
USA10-03EPGCPETC	10	7	30	60	.49	10	237	136	40	
USA8-03EPGCPETC	8	7	45	60	.66	10	330	190	55	
USA6-03EPGCPETC	6	7	45	60	.74	8	460	297	75	
USA4-03EPGCPETC	4	7	45	80	.88	8	685	442	95	
USA2-03EPGCPETC	2	7	45	80	1.00	6	1015	703	130	
USA1-03EPGCPETC	1	19	55	80	1.13	6	1270	872	150	
USA1/0-03EPGCPETC	1/0	19	55	80	1.22	6	1500	1069	170	
USA2/0-03EPGCPETC	2/0	19	55	80	1.31	6	1810	1340	195	
USA3/0-03EPGCPETC	3/0	19	55	80	1.42	4	2250	1717	225	
USA4/0-03EPGCPETC	4/0	19	55	80	1.55	4	2685	2130	260	
USA250-03EPGCPETC	250	37	65	110	1.76	4	3170	2494	290	
USA350-03EPGCPETC	350	37	65	110	1.98	3	4320	3474	350	
USA500-03EPGCPETC	500	37	65	110	2.26	2	6020	4934	430	
USA750-03EPGCPETC	750	61	80	110	2.71	1	8980	7278	535	
USA1000-03EPGCPETC	1000	61	80	140	3.10	1/0	11700	9584	615	

*AMPACITY in accordance with the NEC for cables installed in uncovered cable tray without maintained spacing and for cables in raceway or directly buried; at the conductor temperature indicated, 30°C ambient temperature.

NOTES: (1) Grounding conductor per UL Standard 1277 for Type TC Tray Cable. (2) Cables with Open Wiring listing available upon request