

TRAY CABLE



- ▶ **4C w/Ground**
- ▶ **FR-EPR**
- ▶ **CPE**
- ▶ **Type TC-ER**
- ▶ **600V**

PRODUCT CONSTRUCTION

Conductor: 8 AWG through 750 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.

Four 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	75°C
USA8-04EPGCPETC	8	7	45	60	.72	10	393	242	55	50
USA6-04EPGCPETC	6	7	45	60	.79	8	561	384	75	65
USA4-04EPGCPETC	4	7	45	80	.95	8	822	578	95	85
USA2-04EPGCPETC	2	7	45	80	1.09	6	1235	919	130	115
USA1-04EPGCPETC	1	19	55	80	1.24	6	1521	1136	150	130
USA1/0-04EPGCPETC	1/0	19	55	80	1.33	6	1820	1413	170	150
USA2/0-04EPGCPETC	2/0	19	55	80	1.44	6	2208	1760	195	175
USA3/0-04EPGCPETC	3/0	19	55	80	1.57	4	2788	2245	225	200
USA4/0-04EPGCPETC	4/0	19	55	80	1.79	4	3495	2796	260	230
USA250-04EPGCPETC	250	37	65	110	1.92	4	4019	3282	290	255
USA350-04EPGCPETC	350	37	65	110	2.17	3	5436	4577	350	310
USA500-04EPGCPETC	500	37	65	110	2.48	2	7607	6509	430	380
USA750-04EPGCPETC	750	61	80	110	3.12	1	11805	9712	535	475

*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.

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