

TRAY CABLE



- ▶ 3C w/Ground
- ▶ FR-XLP
- ▶ 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 Cross-linked Polyethylene (XLPE). Color-coded per ICEA Method 4; individual conductors colored black with conductor number surface printed in contrasting ink.

Jacket: Lead-free 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 Article 501 and Class 1 circuits per NEC. Permitted for Exposed Run (ER) use in accordance with NEC for 2 AWG and larger.

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 -35°C. Meets crush and impact requirements of Type MC Cable for 2AWG and larger.

COMPLIANCES

Industry: UL 44 Type XHHW-2. UL 1277 Type TC-ER for 2 AWG and larger. UL 1581. ICEA S-95-658/NEMA WC70.

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	75°C
USA8-03XLPGPCPETC	8	7	45	60	.66	10	335	190	55	50
USA6-03XLPGPCPETC	6	7	45	60	.74	8	475	301	75	65
USA4-03XLPGPCPETC	4	7	45	80	.88	8	700	448	95	85
USA2-03XLPGPCPETC	2	7	45	80	1.00	6	1020	716	130	115
USA1-03XLPGPCPETC	1	19	55	80	1.13	6	1260	872	150	130
USA1/0-03XLPGPCPETC	1/0	19	55	80	1.22	6	1520	1081	170	150
USA2/0-03XLPGPCPETC	2/0	19	55	80	1.31	6	1825	1341	195	175
USA3/0-03XLPGPCPETC	3/0	19	55	80	1.42	4	2210	1717	225	200
USA4/0-03XLPGPCPETC	4/0	19	55	80	1.55	4	2690	2132	260	230
USA250-03XLPGPCPETC	250	37	65	110	1.76	4	3265	2494	290	255
USA350-03XLPGPCPETC	350	37	65	110	1.98	3	4465	3474	350	310
USA500-03XLPGPCPETC	500	37	65	110	2.26	2	6100	4938	430	380
USA750-03XLPGPCPETC	750	61	80	110	2.71	1	9060	7206	535	475
USA1000-03XLPGPCPETC	1000	61	80	140	3.10	1/0	11770	9590	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.

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