



PVC/Nylon/PVC, Low-Voltage Power, Unshielded 600 V UL Type TC-ER¹ — Method 4 Color Code



Product Construction:

Conductor:

- 14 AWG thru 500 kcmil bare, annealed copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:

- Flame-retardant Polyvinyl Chloride (PVC) with Polyimide (nylon)
- Color-coded per ICEA Method 4; individual conductors colored black with conductor number surface printed in contrasting ink

Ground:

- Uninsulated bare annealed copper per ASTM B3

Jacket:

- Lead-free, flame-retardant, sunlight-resistant Polyvinyl Chloride (PVC)

Applications:

- In free air, cable tray, raceways or direct burial
- In wet or dry locations
- Permitted for use in Class I, Division 2 industrial hazardous locations per NEC
- Permitted for Exposed Run (ER) use in accordance with NEC for 3 or more conductors

Features:

- Rated at 90°C wet or dry
- Ripcord applied to all cables with jacket of 60 mils or less
- Meets cold bend test at -25°C
- Type ER versions meets crush and impact requirements of Type MC cables.
- Sunlight- and weather-resistant
- Excellent flame resistance
- Excellent physical, thermal and electrical properties

Features (cont'd):

- Excellent moisture resistance
- Good resistance to abrasion and heat deformation
- Provides good oil and chemical resistance

Compliances:

Industry Compliances:

- NEC Type THHN/THWN conductors
- UL 1277 Type TC-ER, UL File # E57179
- UL 1581
- ICEA S-95-658/NEMA WC70

Flame Test Compliances:

- UL 1685 Vertical Flame Test
- IEEE 383
- IEEE 1202
- CSA FT4

Other Compliances:

- EPA 40 CFR, Part 261 for leachable lead content per TCLP
- OSHA Acceptable
- RoHS Compliant

Packaging:

- Material cut to length and shipped on non-returnable wood reels

CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG/ kcmil)	COND. STRAND	GROUND WIRE SIZE (AWG)	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
					IN	mm	IN	mm	IN	mm	LBS/ 1000 FT	kg/km	LBS/ 1000 FT	kg/km
14 AWG - 500 kcmil CONDUCTORS														
383890*	3	14	7W	14	0.019	0.48	0.045	1.14	0.335	8.51	52	77	88	130
234250	3	12	7W	12	0.019	0.48	0.045	1.14	0.375	9.53	82	122	124	184
234260	3	10	7W	10	0.024	0.61	0.045	1.14	0.445	11.30	131	195	185	276
386700**	3	10	7W	10	0.024	0.61	0.045	1.14	0.445	11.30	135	201	209	311
236370	3	8	7W	10	0.035	0.89	0.060	1.52	0.590	14.99	189	281	288	429
236380	4	8	7W	10	0.035	0.89	0.060	1.52	0.645	16.38	241	358	359	534
226410	3	6	7W	8	0.035	0.89	0.060	1.52	0.665	16.89	300	446	410	610
231980	4	6	7W	8	0.035	0.89	0.060	1.52	0.730	18.54	382	569	513	763
236400	3	4	7W	8	0.046	1.17	0.060	1.52	0.825	20.96	447	665	617	918
236410*	4	4	7W	8	0.046	1.17	0.080	2.03	0.955	24.26	578	861	822	1223
236420	3	2	7W	6	0.046	1.17	0.080	2.03	1.000	25.40	710	1056	950	1414
236430*	4	2	7W	6	0.046	1.17	0.080	2.03	1.100	27.94	919	1367	1206	1795
236440	3	1/0	19W	6	0.057	1.45	0.080	2.03	1.190	30.23	1080	1607	1386	2062
219580*	4	1/0	19W	6	0.057	1.45	0.080	2.03	1.315	33.40	1413	2102	1781	2651
243760	3	2/0	19W	6	0.057	1.45	0.080	2.03	1.295	32.89	1340	1994	1690	2514
219610*	4	2/0	19W	6	0.057	1.45	0.080	2.03	1.430	36.32	1759	2618	2179	3242
221560	3	4/0	19W	4	0.057	1.45	0.080	2.03	1.505	38.23	2130	3169	2534	3770
329240*	4	4/0	19W	4	0.057	1.45	0.110	2.79	1.730	43.94	2796	4160	3390	5044
222490	3	250	37W	4	0.068	1.73	0.110	2.79	1.730	43.94	2494	3711	3062	4556
297050*	4	250	37W	4	0.068	1.73	0.110	2.79	1.910	48.51	3281	4883	3973	5912
226430	3	350	37W	3	0.068	1.73	0.110	2.79	1.945	49.40	3471	5164	4125	6139
297060*	4	350	37W	3	0.068	1.73	0.110	2.79	2.155	54.74	4572	6803	5387	8015
219630	3	500	37W	2	0.068	1.73	0.110	2.79	2.215	56.26	4928	7332	5621	8363
222510*	4	500	37W	2	0.068	1.73	0.110	2.79	2.455	62.36	6500	9673	7311	10879

Dimensions and weights are nominal; subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

** E-2 Color Code.

¹ Approved as TYPE TC-ER for Exposed Run applications as defined by NEC.

