

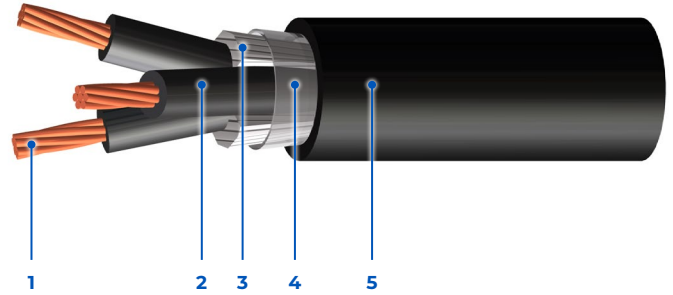
UL Type TC Tray Power, Multi-Conductor, 2000 V

Tray Power cables are suitable for use in ventilated, non-ventilated and ladder type cable trays, direct burial, raceways and for exposed or concealed wiring in wet, damp or dry locations in -40°C (-40°F) environments. Applicable for use in Utilities, Industrial and Commercial applications.

Standards:



TC-ER



- 1 – Strand Bare (ASTM B8) Annealed Copper Conductors
- 2 – FR XLPE (RHW-2 Rated) Insulated Conductors
- 3 – Polypropylene Fillers

- 4 – Polyester Separator Tape
- 5 – FR PVC Outer Protective Jacket

Product Construction

Insulation:

- FR XLPE (RHW-2 rated) rated: 90°C wet/dry

Jacket:

- FR PVC outer black jacket rated: 90°C to -40°C
- Thermoset CPE (optional)
- Thermoplastic CPE (optional)
- Thermoplastic LSZH (optional)

Available in:

- Custom insulation/jacket colors
- Composite constructions

Certification/Compliances

- UL 1277, Tray Cable (TC -ER)
- UL 44, Thermoset Insulated Wires and Cables
- UL 1685/FT4, Vertical Tray Flame Test rated (optional)
- IEEE 1202/383 (70,000 BTU/hr), Vertical Flame Test rated (optional)
- ICEA T-30-520 (70,000 BTU/hr), Vertical Flame test rated
- XLPE (RHW-2 rated), 90°C wet/dry
- UV sunlight resistant "SUN RES" (all colors)
- Direct burial rated
- -40°C cold bend rated
- Rated for use in hazardous locations:
 - Class I Zone 2 (Div 2)
 - Class II Zone 22 (Div 2)

2000 V

Voltage

UL Type TC-ER

Power

Color Coding

- Black conductors (standard)
- Method K1 or K2 (optional)
- Method 4 (optional)

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PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		(AWG/kcmil)	(in/mm)	(lbs/1000ft) (kg/km)	(30°C ambient)	(lb/kg)	(in/mm)
2K010U140200300	2	14	0.492 / 12.5	111 / 165	25	66 / 30	4.4 / 112
2K010U120200300	2	12	0.528 / 13.4	136 / 202	30	104 / 47	4.8 / 121
2K010U100200300	2	10	0.608 / 15.4	191 / 284	40	166 / 75	5.5 / 139
2K010U080200300	2	8	0.706 / 17.9	261 / 388	55	265 / 120	6.4 / 161
2K010U060200300	2	6	0.784 / 19.9	346 / 516	75	419 / 190	7.1 / 179
2K010U040200300	2	4	0.918 / 23.3	513 / 764	95	668 / 303	8.3 / 210
2K010U030200300	2	3	0.972 / 24.7	608 / 904	115	842 / 382	8.7 / 222
2K010U020200300	2	2	1.034 / 26.3	718 / 1069	130	1062 / 482	9.3 / 236
2K010U010240300	2	1	1.192 / 30.3	915 / 1362	145	1339 / 607	10.7 / 272
2K010U1/0240300	2	1/0	1.272 / 32.3	1100 / 1637	170	1690 / 766	11.4 / 291
2K010U2/0240300	2	2/0	1.358 / 34.5	1321 / 1966	195	2130 / 966	12.2 / 310
2K010U3/0240300	2	3/0	1.460 / 37.1	1594 / 2372	225	2671 / 1212	13.1 / 334
2K010U4/0240300	2	4/0	1.572 / 39.9	1932 / 2876	260	3386 / 1536	14.1 / 359
2K010U250260300	2	250	1.784 / 45.3	2366 / 3520	290	4000 / 1814	16.1 / 408
2K010U300260300	2	300	1.890 / 48.0	2754 / 4099	320	4800 / 2177	17 / 432
2K010U350260300	2	350	1.990 / 50.6	3138 / 4670	350	5600 / 2540	17.9 / 455
2K010U500260300	2	500	2.246 / 57.1	4259 / 6338	430	8000 / 3629	20.2 / 513
2K010U140300300	3	14	0.521 / 13.2	137 / 204	25	99 / 45	4.7 / 119
2K010U120300300	3	12	0.590 / 15.0	189 / 282	30	157 / 71	5.3 / 135
2K010U100300300	3	10	0.643 / 16.3	244 / 363	40	249 / 113	5.8 / 147
2K010U080300300	3	8	0.749 / 19.0	339 / 505	55	397 / 180	6.7 / 171
2K010U060300300	3	6	0.832 / 21.1	458 / 682	75	629 / 285	7.5 / 190
2K010U040300300	3	4	0.973 / 24.7	680 / 1012	95	1002 / 454	8.8 / 223
2K010U030300300	3	3	1.031 / 26.2	811 / 1207	115	1263 / 573	9.3 / 236
2K010U020300300	3	2	1.098 / 27.9	972 / 1446	130	1593 / 723	9.9 / 251
2K010U010340300	3	1	1.268 / 32.2	1235 / 1838	145	2009 / 911	11.4 / 290
2K010U1/0340300	3	1/0	1.354 / 34.4	1491 / 2219	170	2534 / 1150	12.2 / 310
2K010U2/0340300	3	2/0	1.446 / 36.7	1803 / 2684	195	3194 / 1449	13 / 331
2K010U3/0340300	3	3/0	1.556 / 39.5	2191 / 3261	225	4007 / 1818	14 / 356
2K010U4/0340300	3	4/0	1.676 / 42.6	2677 / 3984	260	5078 / 2304	15.1 / 383
2K010U250360300	3	250	1.900 / 48.3	3248 / 4833	290	6000 / 2722	17.1 / 434
2K010U300360300	3	300	2.014 / 51.2	3793 / 5645	320	7200 / 3266	18.1 / 460
2K010U350360300	3	350	2.121 / 53.9	4338 / 6456	350	8400 / 3810	19.1 / 485
2K010U500360300	3	500	2.396 / 60.9	5944 / 8846	430	12000 / 5443	21.6 / 548

*Ampacity value based on National Electrical Code, Version 2020, Table 310.16. Values are corrected according to Table 310.15(C)(1) for number of Conductors. Per NEC 310.15(C)(1), the ampacity of 4/C cable shall be reduced by a factor of 0.8 when the neutral is considered a current-carrying conductor.

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PART NUMBER	NUMBER OF CONDUCTORS	CONDUCTOR SIZE	NOMINAL DIAMETER OVERALL CABLE	CABLE WEIGHT	AMPACITY	MAX PULLING TENSION (PULLING EYE)	MIN BEND RADIUS (PULL)
		(AWG/kcmil)	(in/mm)	(lbs/1000ft) (kg/km)	(30°C ambient)	(lb/kg)	(in/mm)
2K010U750360300	3	750	2.906 / 73.8	8860 / 13185	535	18000 / 8165	26.2 / 664
2K010U140400300	4	14	0.601 / 15.3	188 / 280	20	132 / 60	5.4 / 137
2K010U120400300	4	12	0.645 / 16.4	235 / 349	24	209 / 95	5.8 / 147
2K010U100400300	4	10	0.705 / 17.9	306 / 456	32	332 / 151	6.3 / 161
2K010U080400300	4	8	0.823 / 20.9	427 / 636	44	529 / 240	7.4 / 188
2K010U060400300	4	6	0.956 / 24.3	617 / 917	60	839 / 380	8.6 / 219
2K010U040400300	4	4	1.069 / 27.2	869 / 1293	76	1336 / 606	9.6 / 244
2K010U030400300	4	3	1.134 / 28.8	1032 / 1535	92	1684 / 764	10.2 / 259
2K010U020400300	4	2	1.209 / 30.7	1246 / 1854	104	2124 / 964	10.9 / 276
2K010U010440300	4	1	1.399 / 35.5	1592 / 2369	116	2678 / 1215	12.6 / 320
2K010U1/0440300	4	1/0	1.496 / 38.0	1925 / 2864	136	3379 / 1533	13.5 / 342
2K010U2/0440300	4	2/0	1.600 / 40.6	2340 / 3483	156	4259 / 1932	14.4 / 366
2K010U3/0440300	4	3/0	1.782 / 45.3	2947 / 4385	180	5343 / 2423	16 / 407
2K010U4/0440300	4	4/0	1.917 / 48.7	3597 / 5352	208	6771 / 3071	17.3 / 438
2K010U250460300	4	250	2.100 / 53.4	4207 / 6261	232	8000 / 3629	18.9 / 480
2K010U300460300	4	300	2.228 / 56.6	4933 / 7342	256	9600 / 4355	20.1 / 509
2K010U350460300	4	350	2.349 / 59.7	5649 / 8407	280	11200 / 5080	21.1 / 537
2K010U500460300	4	500	2.657 / 67.5	7759 / 11547	344	16000 / 7258	23.9 / 607

*Ampacity value based on National Electrical Code, Version 2020, Table 310.16. Values are corrected according to Table 310.15(C)(1) for number of Conductors. Per NEC 310.15(C)(1), the ampacity of 4/C cable shall be reduced by a factor of 0.8 when the neutral is considered a current-carrying conductor.