

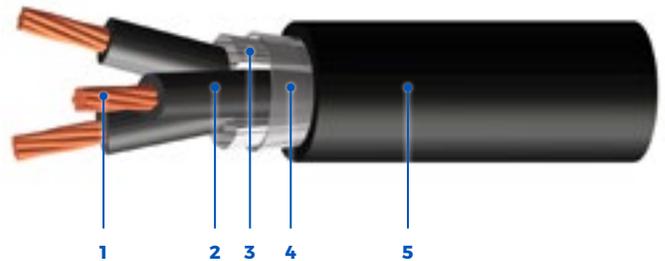
UL Type TC Tray Control FR-EPR/CPE, Multi-Conductor, 600 V

For use where flame retardance, oil and moisture/chemical resistance are critical. FR EPR cables can be installed in cable tray, free air, raceways or in direct burial applications

Standards:



TC-ER



1 - Bare Copper Conductors
(Tin-coated Available)

2 - FR Ethylene
Propylene Rubber (EPR)
Insulated Conductors

3 - Polypropylene Fillers

4 - Polyester Separator Tape

5 - Thermoplastic CPE
Protective Jacket

Product Construction

Insulation:

- FR EPR (XHHW-2 rated)
rated: 90°C wet/dry

Jacket:

- Thermoplastic CPE black
outer jacket (standard)
rated: 90°C
- Thermoset CPE (optional)

Available in:

- Custom insulation/
jacket colors
- Composite constructions
- TC-ER (optional)

Certification/Compliances

- UL 1277, Tray Cable (TC-ER)
- UL 44, Thermoset
Insulated Wires
and Cables
- UL 1685/FT4, Vertical
Tray Flame Test rated
- IEEE 1202/383 (70,000
BTU/hr), Vertical Flame
Test rated
- ICEA T-30-520 (70,000
BTU/hr), Vertical Flame
Test rated
- EPR (XHHW-2 rated),
90°C wet/dry
- UV sunlight resistant
"SUN RES" (all colors)
- Oil Res I & II rated
- Direct burial rated
- 40°C cold bend rated
- Rated for use in
hazardous locations:
 - Class I Zone 2 (Div 2)
 - Class II Zone 20, 21 (Div 1)
 - Class II Zone 22 (Div 2)

600 V

Voltage
(Optional: 2000 V)

Color Coding

- Method K1 & K2 (standard)
- Method 4 (optional)

UL Type TC-ER

Control

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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)
2M010U140200400	2	14	0.372 / 9.5	75 / 111	25	66 / 30	3.3 / 85
2M010U140300400	3	14	0.392 / 10.0	94 / 140	25	99 / 45	3.5 / 90
2M010U140400400	4	14	0.426 / 10.8	117 / 174	20	132 / 60	3.8 / 97
2M010U140500400	5	14	0.465 / 11.8	138 / 205	20	165 / 75	4.2 / 106
2M010U140600400	6	14	0.505 / 12.8	162 / 241	20	197 / 90	4.5 / 115
2M010U140700400	7	14	0.505 / 12.8	177 / 264	17.5	230 / 104	4.5 / 115
2M010U140800400	8	14	0.575 / 14.6	218 / 325	17.5	263 / 119	5.2 / 131
2M010U141000400	10	14	0.668 / 17.0	270 / 402	12.5	329 / 149	6 / 153
2M010U141200400	12	14	0.688 / 17.5	309 / 460	12.5	395 / 179	6.2 / 157
2M010U141400400	14	14	0.722 / 18.4	352 / 524	12.5	461 / 209	6.5 / 165
2M010U141500400	15	14	0.741 / 18.8	373 / 556	12.5	494 / 224	6.7 / 169
2M010U142000400	20	14	0.841 / 21.4	483 / 719	12.5	658 / 298	7.6 / 192
2M010U142500400	25	14	0.974 / 24.7	628 / 935	11.25	823 / 373	8.8 / 223
2M010U143000400	30	14	1.028 / 26.1	726 / 1081	11.25	987 / 448	9.3 / 235
2M010U144000400	40	14	1.147 / 29.1	933 / 1389	10	1316 / 597	10.3 / 262
2M010U145000400	50	14	1.272 / 32.3	1145 / 1704	8.75	1645 / 746	11.4 / 291
2M010U120200400	2	12	0.408 / 10.4	98 / 146	30	104 / 47	3.7 / 93
2M010U120300400	3	12	0.431 / 10.9	127 / 189	30	157 / 71	3.9 / 98
2M010U120400400	4	12	0.470 / 11.9	157 / 234	24	209 / 95	4.2 / 107
2M010U120500400	5	12	0.514 / 13.1	192 / 285	24	261 / 118	4.6 / 117
2M010U120600400	6	12	0.589 / 15.0	243 / 362	24	313 / 142	5.3 / 135
2M010U120700400	7	12	0.589 / 15.0	267 / 398	21	365 / 166	5.3 / 135
2M010U120800400	8	12	0.634 / 16.1	297 / 442	21	418 / 189	5.7 / 145
2M010U121000400	10	12	0.740 / 18.8	369 / 549	15	522 / 237	6.7 / 169
2M010U121200400	12	12	0.763 / 19.4	426 / 634	15	626 / 284	6.9 / 174
2M010U121400400	14	12	0.802 / 20.4	485 / 722	15	731 / 331	7.2 / 183
2M010U121500400	15	12	0.823 / 20.9	516 / 767	15	783 / 355	7.4 / 188
2M010U122000400	20	12	0.976 / 24.8	709 / 1054	15	1044 / 474	8.8 / 223
2M010U122500400	25	12	1.082 / 27.5	867 / 1290	13.5	1305 / 592	9.7 / 247
2M010U123000400	30	12	1.144 / 29.1	1008 / 1501	13.5	1566 / 710	10.3 / 261
2M010U124000400	40	12	1.278 / 32.5	1305 / 1942	12	2088 / 947	11.5 / 292
2M010U125000400	50	12	1.420 / 36.1	1608 / 2394	10.5	2610 / 1184	12.8 / 325
2M010U100200400	2	10	0.458 / 11.6	132 / 197	40	166 / 75	4.1 / 105

*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.

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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)
2M010U100300400	3	10	0.484 / 12.3	175 / 260	40	249 / 113	4.4 / 111
2M010U100400400	4	10	0.530 / 13.5	222 / 331	32	332 / 151	4.8 / 121
2M010U100500400	5	10	0.611 / 15.5	284 / 422	32	415 / 188	5.5 / 140
2M010U100600400	6	10	0.664 / 16.9	336 / 500	32	498 / 226	6 / 152
2M010U100700400	7	10	0.664 / 16.9	373 / 555	28	581 / 264	6 / 152
2M010U100800400	8	10	0.717 / 18.2	418 / 622	28	664 / 301	6.5 / 164
2M010U101000400	10	10	0.840 / 21.3	521 / 775	20	830 / 376	7.6 / 192
2M010U101200400	12	10	0.906 / 23.0	639 / 951	20	996 / 452	8.2 / 207
2M010U101400400	14	10	0.952 / 24.2	731 / 1088	20	1162 / 527	8.6 / 218
2M010U101500400	15	10	0.977 / 24.8	776 / 1155	20	1245 / 565	8.8 / 223
2M010U102000400	20	10	1.109 / 28.2	1009 / 1502	20	1660 / 753	10 / 253
2M010U102500400	25	10	1.232 / 31.3	1237 / 1841	18	2075 / 941	11.1 / 282
2M010U103000400	30	10	1.304 / 33.1	1450 / 2158	18	2490 / 1129	11.7 / 298
2M010U104000400	40	10	1.461 / 37.1	1885 / 2805	16	3320 / 1506	13.1 / 334
2M010U105000400	50	10	1.626 / 41.3	2330 / 3468	14	4150 / 1882	14.6 / 372

*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.