

TYPE TC-ER CONTROL CABLE M-1/E-2

DESCRIPTION:

Alan Wire Type TC-ER-JP Control Cable is intended for use in accordance with Article 336 of ANSI/NFPA 70 National Electrical Code. It is suitable for use in wire ways, trays, channels, conduit and ducts. It is UL Listed for direct burial in wet or dry locations, sunlight resistant and available as Exposed run (ER) for use between cable trays and utilization equipment, and Joist Pull (JP) applications in accordance with NEC 336.10 (7).

STANDARDS AND SPECIFICATIONS:

- 18 AWG thru 10 AWG soft annealed, bare copper per ASTM B3 & ASTM-B787
- UL 83
- Flame retardant insulation
- PVC Rated for use at 90° C dry
- PVC Rated for use at 75° C wet
- Gasoline & Oil Resistant II
- Color coded per method ICEA Method M-1
- E-2 insulated conductors are twisted together
- ARRA 2009 Section 1605 "Buy American" Compliant

Size (AWG)	Conductor		Jacket Thickness PVC (Inches)	Nominal O.D. (Inches)	Approx Net WT./MFT
	Number of Conductors	Individual Conductor Stranding			
18	2 Flat*	16	0.045	.189 x .287	35
18	3	16	0.045	0.29	47
18	4	16	0.045	0.31	56
18	5	16	0.045	0.34	66
18	7	16	0.045	0.36	84
16	2 Flat*	16	0.045	.205 x .311	43
16	3	26	0.045	0.32	61
16	4	26	0.045	0.34	74
16	5	26	0.045	0.37	98
16	7	26	0.045	0.41	109
14	2 Flat*	19	0.045	.211 x .320	55
14	3	19	0.045	0.33	72
14	4	19	0.045	0.36	94
14	5	19	0.045	0.40	116
14	7	19	0.045	0.43	147
12	2 Flat*	19	0.045	.225 x .360	74
12	3	19	0.045	0.37	102
12	3 BWG**	19	0.045	0.37	102
12	4	19	0.045	0.41	131
12	5	19	0.045	0.44	162
12	7	19	0.045	0.49	231
10	2 Flat*	19	0.045	.261 x .425	109
10	3	19	0.045	0.45	154
10	3 BWG**	19	0.045	0.45	154
10	4	19	0.060	0.49	197
10	5	19	0.060	0.57	260
10	7	19	0.045	0.66	362
12	3 w/ground	19	0.045	0.39	131
10	3 w/ground	19	0.045	0.45	191

*ER rating only applies to 3 or more insulated conductors. Not applicable to conductor items.

**Conductors are Black, White, and Green.



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