

APPLICATIONS

ALL-TEMP INDUSTRITE® Control Cable is designed and manufactured for use in continuous flexing, twisting, and other abusive physical applications where flame, abrasion, chemicals, moisture, impact, tearing, and temperature extremes are considerations. Applications include portable control, spring and motor driven reels, festoon systems, power tracks, cable tenders, cranes and hoists.

ALL-TEMP INDUSTRITE® Control Cables are suitable for use indoors and outdoors, and are suitable for installations in water including aerator ponds.

FEATURES

1. CONDUCTORS

Extra-flexible stranding (Class K), soft-drawn tinned copper; per ASTM B-33, ASTM B-174, and UL-62 for high flexibility, extended flex-life, reduced copper fatigue and conductor breakage, easy solderability and resistance to corrosion.

2. SEPARATOR

Paper separator for easy stripping.

3. INSULATION

Thermoset (EPDM) insulation per UL-62 and ICEA S-68-516, providing excellent physical and electrical properties, colored and printed for easy conductor identification and suitable for use in extreme flexing applications.

4. CABLING

Conductors are cabled (maximum of two layers) with non-wicking, non-hygroscopic fillers with an overall binder of rubberized fabric tape for increased mechanical strength/impact resistance and exceptional performance in severe flexing applications.

5. JACKET

Available in stock with black, oil and flame-resistant, reinforced thermoset jacket per UL-62 and ICEA S-68-516, suitable for use indoors and outdoors in abusive flexing applications where oil, chemicals, and extreme temperatures are considerations.

RATINGS

Rated for continuous operation at 105° C to -40° C
UL Listed (E2517) Type SOW, 90° C dry, water resistant 60° C
CSA certified (LL36970) Type SOW FT1
UL Reeling and Festooning

CONSTRUCTION OPTIONS

Consult factory for ALL-TEMP INDUSTRITE® Cables designed and manufactured in a variety of alternative constructions for specific applications.

Options include:

- overall shields and armor
- composite conductors
- fiber optic components
- -55° C constructions
- MSHA approval

Note: The use of basket-weave grips, a minimum of 12" in length, is recommended to prolong cable life in all working applications.





ALL-TEMP INDUSTRITE® CONTROL

type SOW control cable / 105° C TO -40° C
16, 14, 12 & 10 AWG / thermoset jacket / 600 volts

Part Number	Conductor Number	Conductor Size	Stranding	Nominal Insulation Thickness in (mm)	Nominal Jacket Thickness in (mm)	Nominal Cable O.D. in (mm)	Ampacity ¹	Minimum Bend Diameter in (mm)	Approximate Cable Weight Lbs/Mft (Kg/Km)
A13420	3	16 AWG	26/30	.030 (.76)	.060 (1.5)	.415 (10.5)	20	3 (76.2)	94 (140)
A13421	4	16 AWG	26/30	.030 (.76)	.060 (1.5)	.445 (11.3)	15	4 (101.6)	114 (170)
A13422	6	16 AWG	26/30	.030 (.76)	.060 (1.5)	.560 (14.2)	15	4 (101.6)	180 (268)
A13423	8	16 AWG	26/30	.030 (.76)	.060 (1.5)	.665 (16.9)	13	5 (127.0)	250 (372)
A13425	10	16 AWG	26/30	.030 (.76)	.095 (2.4)	.710 (18.0)	13	6 (152.4)	270 (402)
A13426	12	16 AWG	26/30	.030 (.76)	.110 (2.8)	.760 (19.3)	13	6 (152.4)	318 (473)
A13428	16	16 AWG	26/30	.030 (.76)	.110 (2.8)	.830 (21.1)	13	7 (177.8)	400 (595)
A13429	20	16 AWG	26/30	.030 (.76)	.125 (3.2)	.930 (23.6)	13	7 (177.8)	500 (744)
A13430	24	16 AWG	26/30	.030 (.76)	.140 (3.6)	1.050 (26.7)	12	8 (203.2)	637 (948)
A13431	30	16 AWG	26/30	.030 (.76)	.155 (3.9)	1.200 (30.5)	12	10 (254.0)	810 (1205)
024908	36	16 AWG	26/30	.030 (.76)	.170 (4.3)	1.365 (34.7)	12	11 (279.4)	1073 (1597)
A13407	3	14 AWG	41/30	.045 (1.1)	.080 (2.0)	.565 (14.4)	29	5 (127.0)	169 (251)
A13408	4	14 AWG	41/30	.045 (1.1)	.080 (2.0)	.610 (15.5)	22	5 (127.0)	210 (313)
A13409*	6	14 AWG	41/30	.045 (1.14)	.110 (2.8)	.775 (19.7)	22	6 (152.4)	320 (476)
A13410	8	14 AWG	41/30	.045 (1.14)	.125 (3.2)	.910 (23.1)	20	7 (177.8)	446 (664)
A13411*	10	14 AWG	41/30	.045 (1.14)	.125 (3.2)	.980 (24.9)	20	8 (203.2)	482 (717)
A13412	12	14 AWG	41/30	.045 (1.14)	.140 (3.6)	1.040 (26.4)	20	8 (203.2)	568 (845)
A13414	16	14 AWG	41/30	.045 (1.14)	.140 (3.6)	1.130 (28.7)	20	9 (228.6)	683 (1016)
A13415	20	14 AWG	41/30	.045 (1.14)	.155 (3.9)	1.270 (32.3)	20	10 (254.0)	883 (1314)
A13416	24	14 AWG	41/30	.045 (1.14)	.170 (4.3)	1.420 (36.1)	18	11 (279.4)	1106 (1646)
A13393	3	12 AWG	65/30	.045 (1.14)	.095 (2.4)	.640 (16.3)	33	5 (127.0)	230 (342)
A13394	4	12 AWG	65/30	.045 (1.14)	.095 (2.4)	.690 (17.5)	28	6 (152.4)	270 (402)
A13395*	6	12 AWG	65/30	.045 (1.14)	.110 (2.8)	.835 (21.2)	28	7 (177.8)	398 (592)
A13397	8	12 AWG	65/30	.045 (1.14)	.125 (3.2)	.985 (25.0)	23	8 (203.2)	557 (829)
A13398*	10	12 AWG	65/30	.045 (1.14)	.140 (3.6)	1.090 (27.7)	23	9 (228.6)	637 (948)
A13399	12	12 AWG	65/30	.045 (1.14)	.140 (3.6)	1.120 (28.4)	23	9 (228.6)	716 (1065)
A13401	16	12 AWG	65/30	.045 (1.14)	.155 (3.9)	1.260 (32.0)	23	10 (254.0)	922 (1372)
A13402	20	12 AWG	65/30	.045 (1.14)	.170 (4.3)	1.405 (35.7)	23	11 (279.4)	1162 (1729)
A13403	24	12 AWG	65/30	.045 (1.14)	.170 (4.3)	1.540 (39.1)	20	12 (304.8)	1409 (2097)
A13385	3	10 AWG	105/30	.045 (1.14)	.095 (2.4)	.695 (17.5)	44	6 (152.4)	284 (423)
A13386	4	10 AWG	105/30	.045 (1.14)	.095 (2.4)	.750 (19.1)	35	6 (152.4)	348 (518)
A13387	6	10 AWG	105/30	.045 (1.14)	.125 (3.2)	.940 (23.9)	35	8 (203.2)	528 (786)
A13388*	8	10 AWG	105/30	.045 (1.14)	.140 (3.6)	1.110 (28.2)	32	9 (228.6)	745 (1109)

*Nonstock item. Consult factory for availability.

¹Ampacity based on single cable in free air 30°C ambient, 105°C conductor temperature. Values for 10 conductors and higher include 50% load diversity.

TWISTED SHIELDED PAIRS

Part Number	Number of Pairs	Conductor Size	Stranding	Nominal Insulation Thickness in (mm)	Nominal Jacket Thickness in (mm)	Nominal Cable O.D. in (mm)	Ampacity ¹	Minimum Bend Diameter in (mm)	Approximate Cable Weight Lbs/Mft (Kg/Km)
024906	3	16 AWG	26/30	.030 (.76)	.110 (2.8)	.850 (21.6)	15	10 (254.0)	340 (506)
024907	6	16 AWG	26/30	.030 (.76)	.155 (3.9)	1.180 (30.0)	13	14 (355.6)	675 (1004)

¹Ampacity based on single cable in free air 30°C ambient, 105°C conductor temperature.

ALL-TEMP INDUSTRITE® COLOR CODE

Conductor Number	Base Color	Conductor Printing	Conductor Number	Base Color	Conductor Printing	Conductor Number	Base Color	Conductor Printing	Conductor Number	Base Color	Conductor Printing
1	Black	1-Black	10	Orange	10-Orange-Black	19	Lt. Blue	19-Blue-Red	28	Black	28-Black-Red-Green
2	White	2-White	11	Lt. Blue	11-Blue-Black	20	Red	20-Red-Green	29	White	29-White-Red-Green
3	Green	3-Green	12	Black	12-Black-White	21	Orange	21-Orange-Green	30	Red	30-Red-Black-Green
4	Red	4-Red	13	Red	13-Red-White	22	Black	22-Black-White-Red	31	Green	31-Green-Black-Orange
5	Orange	5-Orange	14	Green	14-Green-White	23	White	23-White-Black-Red	32	Orange	32-Orange-Black-Green
6	Lt. Blue	6-Blue	15	Lt. Blue	15-Blue-White	24	Red	24-Red-Black-White	33	Lt. Blue	33-Blue-White-Orange
7	White	7-White-Black	16	Black	16-Black-Red	25	Green	25-Green-Black-White	34	Black	34-Black-White-Orange
8	Red	8-Red-Black	17	White	17-White-Red	26	Orange	26-Orange-Black-White	35	White	35-White-Red-Orange
9	Green	9-Green-Black	18	Orange	18-Orange-Red	27	Lt. Blue	27-Blue-Black-White	36	Orange	36-Orange-White-Blue

The data herein is approximate and subject to normal manufacturing tolerances. These specifications are subject to change without notice.