

ALL-TEMP(K) INDUSTRITE® Control

Type SOW Control Cable / -40° C to 90° C / 16 - 10 AWG / Thermoset Jacket / 600V



Applications



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

Specifications and Ratings

- Rated for continuous operation at -40°C to 90°C
- UL Listed (E2517) Type SOW, 90° C dry, water resistant 60° C
- CSA Certified (LL231593) Type SOW FT1
- UL Festooning
- RoHS Compliant



Construction Options

Consult factory for ALL-TEMP(K) 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
- Cold Temperature Thermoset Jacket Compound for -50°C Rating
- MSHA Approval
- Green/Yellow Conductor

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

Design Parameters

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.

SEPARATOR: Separator tape for easy stripping.

INSULATION: Thermoset (EPDM) insulation per UL-62 and ANSI/NEMA WC 70 ICEA S-95-658, providing excellent physical and electrical properties, black with white numbers printed for easy conductor identification and suitable for use in extreme flexing applications.

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.

JACKET: Available in stock with black, oil and flame-resistant, reinforced thermoset jacket per UL-62 and ANSI/NEMA WC 70 ICEA S-95-658, suitable for use indoors and outdoors in abusive flexing applications where oil, chemicals, and extreme temperatures are considerations.

Available Jacket Colors:



Prysmian Group

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Sales and Distribution:

22 Joseph E. Warner Blvd. | North Dighton, MA 02764 | +1-508-822-5444



A brand of the



ALL-TEMP(K) INDUSTRITE® Control

Festoon and reeling control cable / -40°C to 90°C / 16 - 10 AWG / thermoset jacket / 600V

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)
K13420C	3	16 AWG	26/30	.030 (.76)	.060 (1.5)	.415 (10.5)	20	3 (76.2)	94 (140)
K13421C	4	16 AWG	26/30	.030 (.76)	.060 (1.5)	.445 (11.3)	15	4 (101.6)	114 (170)
K13422C	6	16 AWG	26/30	.030 (.76)	.060 (1.5)	.560 (14.2)	15	4 (101.6)	180 (268)
K13423C	8	16 AWG	26/30	.030 (.76)	.060 (1.5)	.665 (16.9)	13	5 (127.0)	250 (372)
K13425C	10	16 AWG	26/30	.030 (.76)	.095 (2.4)	.710 (18.0)	13	6 (152.4)	270 (402)
K13426C	12	16 AWG	26/30	.030 (.76)	.110 (2.8)	.760 (19.3)	13	6 (152.4)	318 (473)
K13428C	16	16 AWG	26/30	.030 (.76)	.110 (2.8)	.830 (21.1)	13	7 (177.8)	400 (595)
K13429C	20	16 AWG	26/30	.030 (.76)	.125 (3.2)	.930 (23.6)	13	7 (177.8)	500 (744)
K13430C	24	16 AWG	26/30	.030 (.76)	.140 (3.6)	1.050 (26.7)	12	8 (203.2)	637 (948)
K13431C	30	16 AWG	26/30	.030 (.76)	.155 (3.9)	1.200 (30.5)	12	10 (254.0)	810 (1205)
K24908C	36	16 AWG	26/30	.030 (.76)	.170 (4.3)	1.365 (34.7)	12	11 (279.4)	1073 (1597)
K13407C	3	14 AWG	41/30	.045 (1.1)	.080 (2.0)	.565 (14.4)	29	5 (127.0)	169 (251)
K13408C	4	14 AWG	41/30	.045 (1.1)	.080 (2.0)	.610 (15.5)	22	5 (127.0)	210 (313)
K13409C	6	14 AWG	41/30	.045 (1.14)	.110 (2.8)	.775 (19.7)	22	6 (152.4)	320 (476)
K13410C	8	14 AWG	41/30	.045 (1.14)	.125 (3.2)	.910 (23.1)	20	7 (177.8)	446 (664)
K13411C	10	14 AWG	41/30	.045 (1.14)	.125 (3.2)	.980 (24.9)	20	8 (203.2)	482 (717)
K13412C	12	14 AWG	41/30	.045 (1.14)	.140 (3.6)	1.040 (26.4)	20	8 (203.2)	568 (845)
K13414C	16	14 AWG	41/30	.045 (1.14)	.140 (3.6)	1.130 (28.7)	20	9 (228.6)	683 (1016)
K13415C	20	14 AWG	41/30	.045 (1.14)	.155 (3.9)	1.270 (32.3)	20	10 (254.0)	883 (1314)
K13416C	24	14 AWG	41/30	.045 (1.14)	.170 (4.3)	1.420 (36.1)	18	11 (279.4)	1106 (1646)
K13393C	3	12 AWG	65/30	.045 (1.14)	.095 (2.4)	.640 (16.3)	33	5 (127.0)	230 (342)
K13394C	4	12 AWG	65/30	.045 (1.14)	.095 (2.4)	.690 (17.5)	28	6 (152.4)	270 (402)
K13395C	6	12 AWG	65/30	.045 (1.14)	.110 (2.8)	.835 (21.2)	28	7 (177.8)	398 (592)
K13397C	8	12 AWG	65/30	.045 (1.14)	.125 (3.2)	.985 (25.0)	23	8 (203.2)	557 (829)
K13398C	10	12 AWG	65/30	.045 (1.14)	.140 (3.6)	1.090 (27.7)	23	9 (228.6)	637 (948)
K13399C	12	12 AWG	65/30	.045 (1.14)	.140 (3.6)	1.120 (28.4)	23	9 (228.6)	716 (1065)
K13401C	16	12 AWG	65/30	.045 (1.14)	.155 (3.9)	1.260 (32.0)	23	10 (254.0)	922 (1372)
K13402C	20	12 AWG	65/30	.045 (1.14)	.170 (4.3)	1.405 (35.7)	23	11 (279.4)	1162 (1729)
K13403C	24	12 AWG	65/30	.045 (1.14)	.170 (4.3)	1.540 (39.1)	20	12 (304.8)	1409 (2097)
K13385C	3	10 AWG	105/30	.045 (1.14)	.095 (2.4)	.695 (17.5)	44	6 (152.4)	284 (423)
K13386C	4	10 AWG	105/30	.045 (1.14)	.095 (2.4)	.750 (19.1)	35	6 (152.4)	348 (518)
K13387C	6	10 AWG	105/30	.045 (1.14)	.125 (3.2)	.940 (23.9)	35	8 (203.2)	528 (786)
K13388C	8	10 AWG	105/30	.045 (1.14)	.140 (3.6)	1.110 (28.2)	32	9 (228.6)	745 (1109)
Twisted Shielded Pairs*									
K24906C	3	16 AWG	26/30	.030 (.76)	.110 (2.8)	.850 (21.6)	15	10 (254.0)	340 (506)
K24907C	6	16 AWG	26/30	.030 (.76)	.155 (3.9)	1.180 (30.0)	13	14 (355.6)	675 (1004)

*Twisted pair cables are not UL or CSA listed. ¹Ampacity based on single cable in free air 30°C ambient, 90°C conductor temperature. Values for 10 conductors and higher include 50% load diversity. The data herein is approximate and subject to normal manufacturing tolerances.

ALL-TEMP(K) INDUSTRITE® Conductor Identification

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

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