

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 -55° C in dry locations.

UL Listed (E2517) Type SOW, 90° C dry, water resistant 60° C

CSA certified (LL36970) Type SOW FT1

MSHA approved

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

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

festoon and reeling control cable / 105° C to -55° 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.