

# All-Temp (K) Flat Industrite® Power & Control Cable

Festooning Cable / -40° C to 90° C / 16 to 4/0 AWG / Neoprene Jacket  
600V



## APPLICATIONS:

ALL-TEMP(K) Flat Neoprene Festooning Cable is primarily designed for use with festoon systems for the conveyance of electrical power and control to cranes, hoists, or any other equipment which travels with a lateral traversing motion.

ALL-TEMP(K) Flat cables can also be used where space is at a premium, since it can be stacked; or where extreme flexing is a requirement, recommended bend radius of three to five times cable diameter.

ALL-TEMP(K) Flat cables are suitable for either indoor or outdoor applications operating at -40°C to 90°C.

- Festoon Application

## SPECIFICATIONS & RATINGS:

- UL Listed
- CSA certified, 600 volts, -40°C to 90°C.

## CONSTRUCTION OPTIONS:

Consult the factory for ALL-TEMP(K) Flat cables designed and manufactured in a variety of alternative constructions for specific applications.

### Options Include:

- Cold Temperature Thermoset Jacket Compound for -50C rating
- Coaxial
- Fiber Optic
- Twisted Shielded Pairs
- Composite Conductors
- Green/Yellow Stripe Neutral

## DESIGN PARAMETERS:

### Conductors:

Flexible stranding, soft-drawn tinned copper per ASTM B-33, B-172 & B-174, UL-62 high flexibility, extended flex-life, reduces copper fatigue and conductor breakage, easy to solder and resists corrosion.

### Separator:

Separator tape for easy stripping.

### Insulation:

Black thermoset (EPDM) insulation. Excellent physical and electrical properties, insulation has printed color code for easy conductor identification, suitable for use in extreme flexing applications.

### Cabling:

Flat parallel conductor, rip cord, enhanced stability in outdoor applications against crosswinds, cable integrity, reduced conductor stress/increased flex-life and easy jacket stripping.

### Jacket:

Available in stock with black, oil and flameresistant thermoset (neoprene) jacket. Immediate delivery, suitable for use indoors and outdoors in abusive flexing applications where oil, chemicals and extreme temperatures are considerations.

## AVAILABLE JACKET COLORS:



Black

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| Part Number <sup>1</sup> | Planoflex Reference | Conductor Number |     |       | Conductor Size | Stranding | Nominal Insulation Thickness in (mm) | Nominal Cable O.D. <sup>2</sup> in (mm) | Ampacity <sup>3</sup> | Approximate Cable Weight Lbs/Mft (Kg/Km) |
|--------------------------|---------------------|------------------|-----|-------|----------------|-----------|--------------------------------------|-----------------------------------------|-----------------------|------------------------------------------|
|                          |                     | Total            | BLK | GN/YL |                |           |                                      |                                         |                       |                                          |

## ALL-TEMP(K) Flat Control Cables (600V)

|           |                       |    |    |   |        |     |            |                            |    |            |
|-----------|-----------------------|----|----|---|--------|-----|------------|----------------------------|----|------------|
| K22308C   | 5DG5715<br>(20003480) | 8  | 7  | 1 | 16 AWG | 26  | .030 (0.8) | .240 x 1.130 (6.1 x 28.7)  | 14 | 235 (350)  |
| K22309C   | 5DG5718<br>(20003483) | 12 | 11 | 1 | 16 AWG | 26  | .030 (0.8) | .241 x 1.662 (6.1 x 42.2)  | 14 | 340 (506)  |
| K34711C   | 5DG572<br>(20003485)  | 24 | 23 | 1 | 16 AWG | 26  | .030 (0.8) | .470 x 2.222 (11.9 x 56.4) | 14 | 751 (1118) |
| K22310C   | 5DG5721<br>(20003487) | 4  | 3  | 1 | 14 AWG | 41  | .045 (1.1) | .288 x 0.792 (7.3 x 20.1)  | 18 | 185 (275)  |
| K21821C   | 5DG5725<br>(20003492) | 8  | 7  | 1 | 14 AWG | 41  | .045 (1.1) | .288 x 1.509 (7.3 x 38.3)  | 16 | 356 (530)  |
| K21831C   | 5DG5728<br>(20003494) | 12 | 11 | 1 | 14 AWG | 41  | .045 (1.1) | .288 x 2.226 (7.3 x 56.5)  | 16 | 526 (783)  |
| K21832C   | 5DG5731<br>(20003498) | 4  | 3  | 1 | 12 AWG | 65  | .045 (1.1) | .310 x 0.880 (7.9 x 22.4)  | 23 | 240 (357)  |
| K21822C   |                       | 8  | 7  | 1 | 12 AWG | 65  | .045 (1.1) | .320 x 1.695 (8.1 x 43.1)  | 20 | 463 (689)  |
| K21822C-O | 5DG5554<br>(20003469) | 8  | 8  | 0 | 12 AWG | 65  | .045 (1.1) | .320 x 1.695 (8.1 x 43.1)  | 20 | 463 (689)  |
| K25972C   |                       | 12 | 11 | 1 | 12 AWG | 65  | .045 (1.1) | .320 x 2.500 (8.1 x 63.5)  | 20 | 707 (1052) |
| K25972C-O | 5DG5657<br>(20003471) | 12 | 12 | 0 | 12 AWG | 65  | .045 (1.1) | .320 x 2.500 (8.1 x 63.5)  | 20 | 707 (1052) |
| K21823C   | 5DG5741<br>(20003503) | 4  | 3  | 1 | 10 AWG | 105 | .045 (1.1) | .335 x 0.980 (8.5 x 24.9)  | 29 | 314 (467)  |

## ALL-TEMP(K) Flat Power Cables (600V)

|           |                       |   |   |   |         |     |            |                            |     |             |
|-----------|-----------------------|---|---|---|---------|-----|------------|----------------------------|-----|-------------|
| K21824C   | 5DG5765<br>(20003509) | 4 | 3 | 1 | 8 AWG   | 133 | .060 (1.5) | .451 x 1.354 (11.5 x 34.4) | 41  | 565 (841)   |
| K21825C   | 5DG5766<br>(20003511) | 4 | 3 | 1 | 6 AWG   | 133 | .060 (1.5) | .485 x 1.490 (12.3 x 37.8) | 55  | 732 (1089)  |
| K21826C   | 5DG5767<br>(20003513) | 4 | 3 | 1 | 4 AWG   | 259 | .060 (1.5) | .545 x 1.730 (13.8 x 43.9) | 71  | 974 (1449)  |
| K21827C   | 5DG5768<br>(20003515) | 4 | 3 | 1 | 2 AWG   | 259 | .060 (1.5) | .600 x 1.982 (15.4 x 50.3) | 95  | 1442 (2146) |
| K22311C   |                       | 4 | 3 | 1 | 1/0 AWG | 266 | .080 (2.0) | .778 x 2.542 (19.8 x 64.6) | 132 | 2259 (3362) |
| K22311C-O | 5DG5510<br>(20003468) | 4 | 4 | 0 | 1/0 AWG | 266 | .080 (2.0) | .778 x 2.542 (19.8 x 64.6) | 132 | 2259 (3362) |
| K21828C   | 5DG5771<br>(20003519) | 4 | 3 | 1 | 2/0 AWG | 323 | .080 (2.0) | .824 x 2.726 (20.9 x 69.2) | 149 | 2702 (4021) |
| K21829C   |                       | 4 | 3 | 1 | 3/0 AWG | 418 | .080 (2.0) | .850 x 2.910 (21.6 x 73.9) | 167 | 3255 (4844) |
| K21830C   |                       | 4 | 3 | 1 | 4/0 AWG | 532 | .080 (2.0) | .980 x 3.435 (24.9 x 87.2) | 188 | 4215 (6273) |

<sup>1</sup> For cables with black conductors only use "-0"

<sup>2</sup> Nominal OD (h x w) Tolerance +/- 5%.

<sup>3</sup> Ampacity based on single cable in free air 40° C ambient, 90° C conductor temperature. Consult factory for availability.

The data herein is approximate and subject to change.

## ALL-TEMP(K) FLAT – Control Conductor Identification

| Print Color Code | Print Color Code |
|------------------|------------------|
| 1 - One          | 7 - Seven        |
| 2 - Two          | 8 - Eight        |
| 3 - Three        | 9 - Nine         |
| 4 - Four         | 10 - Ten         |
| 5 - Five         | 11 - Eleven      |
| 6 - Six          | 12 - Twelve      |

## ALL-TEMP(K) FLAT – Power Conductor Codes

| Print Color Code |
|------------------|
| 1 - One          |
| 2 - Two          |
| 3 - Three        |
| 4 - Green/Yellow |



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