

ALL-TEMP(K) Flat Industrite – Power & Control

Festooning Cable / -40° C TO 90° C / 16 to 4/0 AWG / Neoprene jacket / 600V / Control & Power



Applications



Festoon Application

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.

Specifications and 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 flame-resistant 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:



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Part Number ¹	Planoflex Reference	Conductor Number			Conductor Size	Stranding	Nominal Insulation Thickness in (mm)	Nominal Cable O.D. ² in (mm)	Ampacity ³	Approximate Cable Weight Lbs/Mft (Kg/Km)
		Total	BLK	GN/YL						
ALL-TEMP(K) Flat Control Cables (600V)										
K22308C	5DG5715 (20003480)	8	7	1	16 AWG	26	.030 (0.8)	.240 x 1.130 (6.1 x 28.7)	14	235 (350)
K22309C	5DG5718 (20003483)	12	11	1	16 AWG	26	.030 (0.8)	.241 x 1.662 (6.1 x 42.2)	14	340 (506)
K34711C	5DG572 (20003485)	24	23	1	16 AWG	26	.030 (0.8)	.470 x 2.222 (11.9 x 56.4)	14	751 (1118)
K22310C	5DG5721 (20003487)	4	3	1	14 AWG	41	.045 (1.1)	.288 x 0.792 (7.3 x 20.1)	18	185 (275)
K21821C	5DG5725 (20003492)	8	7	1	14 AWG	41	.045 (1.1)	.288 x 1.509 (7.3 x 38.3)	16	356 (530)
K21831C	5DG5728 (20003494)	12	11	1	14 AWG	41	.045 (1.1)	.288 x 2.226 (7.3 x 56.5)	16	526 (783)
K21832C	5DG5731 (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-0	5DG5554 (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-0	5DG5657 (20003471)	12	12	0	12 AWG	65	.045 (1.1)	.320 x 2.500 (8.1 x 63.5)	20	707 (1052)
K21823C	5DG5741 (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 (20003509)	4	3	1	8 AWG	133	.060 (1.5)	.451 x 1.354 (11.5 x 34.4)	41	565 (841)
K21825C	5DG5766 (20003511)	4	3	1	6 AWG	133	.060 (1.5)	.485 x 1.490 (12.3 x 37.8)	55	732 (1089)
K21826C	5DG5767 (20003513)	4	3	1	4 AWG	259	.060 (1.5)	.545 x 1.730 (13.8 x 43.9)	71	974 (1449)
K21827C	5DG5768 (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-0	5DG5510 (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 (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)

¹ For cables with black conductors only use "-0"

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

³ 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