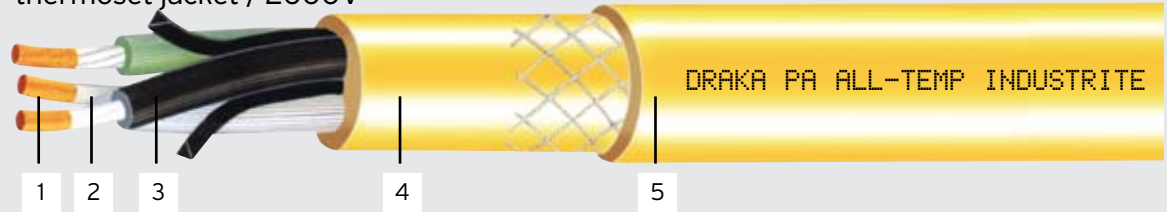




Draka

ALL-TEMP INDUSTRITE® Power

type W festoon and reeling power cable / 105° C to -55° C / 8 AWG - 1000 KCMIL
thermoset jacket / 2000V



Applications

ALL-TEMP INDUSTRITE® Power 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 power, spring and motor driven reels, festoon systems, power tracks, cable tenders, cranes and hoists.

ALL-TEMP INDUSTRITE® cables are suitable for use indoors and outdoors on magnet cranes, barges, milling machines, mining equipment, and oil rigs, and are suitable for installations in water including aerator ponds.

Features

1. CONDUCTORS

Extra-flexible rope stranding (Class K), soft-drawn uncoated copper per ASTM B-3, ASTM B-172, and UL-62 offers high flexibility, extended flex-life and reduced copper fatigue/conductor breakage.

2. SEPARATOR

Paper separator for easy stripping.

3. INSULATION

Thermoset (EPDM) insulation per UL-62 and ICEA S-68-516 with excellent physical and electrical properties, easy conductor identification, stability during extreme flexing/twisting. Insulation is color-coded and ribbed on multiconductor cables.

4. CABLING

Conductors are cabled with non-wicking, non-hygroscopic fillers, without a separator which allows

pressure-extruded jacket to fill interstices and prohibits conductor displacement during flexing operations.



5. JACKET

Available in stock with black, oil and flame-resistant, double-layer, 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 (E130231) Type W 2000 volts 90° C wet or dry

Certified CSA (LL36970) Type W, 2000 volt, FT1

All sizes are 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.

Single conductor versions available from 8 AWG to 1000 KCMIL.

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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)
2	8 AWG	168/30	.060 (1.5)	.110 (2.8)	.810 (20.6)	83	7 (177.8)	343 (511)
3	8 AWG	168/30	.060 (1.5)	.135 (3.4)	.910 (23.1)	73	7 (177.8)	471 (701)
4	8 AWG	168/30	.060 (1.5)	.135 (3.4)	.990 (25.1)	57	8 (203.2)	637 (948)
6	8 AWG	168/30	.060 (1.5)	.155 (3.9)	1.180 (30.0)	57	9 (228.6)	948 (1411)
2	6 AWG	266/30	.060 (1.5)	.125 (3.2)	.930 (23.6)	110	7 (177.8)	498 (741)
3	6 AWG	266/30	.060 (1.5)	.140 (3.6)	1.010 (25.7)	97	8 (203.2)	607 (904)
4	6 AWG	266/30	.060 (1.5)	.140 (3.6)	1.100 (27.9)	77	9 (228.6)	862 (1283)
6	6 AWG	266/30	.060 (1.5)	.155 (3.9)	1.310 (33.3)	77	11 (279.4)	1144 (1703)
2	4 AWG	420/30	.060 (1.5)	.155 (3.9)	1.080 (27.4)	145	9 (228.6)	681 (1014)
3	4 AWG	420/30	.060 (1.5)	.170 (4.3)	1.170 (29.7)	127	9 (228.6)	875 (1303)
4	4 AWG	420/30	.060 (1.5)	.170 (4.3)	1.270 (32.3)	100	10 (254.0)	1135 (1690)
6	4 AWG	420/30	.060 (1.5)	.190 (4.8)	1.520 (38.6)	100	12 (304.8)	1629 (2425)
2	2 AWG	665/30	.060 (1.5)	.190 (4.8)	1.270 (32.3)	194	10 (254.0)	1040 (1548)
3	2 AWG	665/30	.060 (1.5)	.190 (4.8)	1.340 (34.0)	169	11 (279.4)	1280 (1906)
4	2 AWG	665/30	.060 (1.5)	.200 (5.1)	1.480 (37.6)	135	12 (304.8)	1636 (2436)
2	1 AWG	836/30	.080 (2.0)	.170 (4.3)	1.440 (36.6)	226	12 (304.8)	1325 (2973)
3	1 AWG	836/30	.080 (2.0)	.170 (4.3)	1.510 (38.4)	197	12 (304.8)	1680 (2501)
4	1 AWG	836/30	.080 (2.0)	.180 (4.6)	1.680 (42.7)	158	13 (330.2)	2135 (3179)
3	1/0 AWG	1045/30	.080 (2.0)	.170 (4.3)	1.710 (43.4)	228	13 (330.2)	1841 (2741)
4	1/0 AWG	1045/30	.080 (2.0)	.170 (4.3)	1.790 (45.5)	183	14 (333.6)	2446 (3642)
3	2/0 AWG	1330/30	.080 (2.0)	.200 (5.1)	1.750 (44.5)	264	14 (355.6)	2232 (3323)
4	2/0 AWG	1330/30	.080 (2.0)	.200 (5.1)	1.980 (49.0)	211	15 (381.0)	3268 (4865)
3	3/0 AWG	1672/30	.080 (2.0)	.240 (6.1)	1.890 (48.0)	306	15 (381.0)	2852 (4246)
4	3/0 AWG	1672/30	.080 (2.0)	.240 (6.1)	2.070 (52.6)	244	17 (431.8)	3611 (5376)
3	4/0 AWG	2107/30	.080 (2.0)	.170 (4.3)	2.040 (51.8)	352	16 (406.4)	3458 (5148)
4	4/0 AWG	2107/30	.080 (2.0)	.170 (4.3)	2.260 (57.4)	282	18 (457.2)	4546 (6768)

Single conductor cables (TYPE W 2000V)

1	8 AWG	168/30	.060 (1.5)	.075 (5.3)	.448 (11.4)	80	4 (101.6)	133 (198)
1	6 AWG	266/30	.060 (1.5)	.095 (2.4)	.520 (13.2)	110	4 (101.6)	190 (283)
1	4 AWG	420/30	.060 (1.5)	.095 (2.4)	.570 (14.5)	145	5 (127.0)	253 (376)
1	2 AWG	665/30	.060 (1.5)	.095 (2.4)	.635 (16.1)	200	5 (127.0)	350 (521)
1	1 AWG	836/30	.080 (2.0)	.095 (2.4)	.735 (18.7)	223	6 (152.4)	449 (668)
1	1/0 AWG	1045/30	.080 (2.0)	.095 (2.4)	.780 (19.8)	265	6 (152.4)	535 (796)
1	2/0 AWG	1330/30	.080 (2.0)	.095 (2.4)	.820 (20.8)	310	7 (177.8)	638 (949)
1	3/0 AWG	1672/30	.080 (2.0)	.095 (2.4)	.850 (21.6)	365	7 (177.8)	759 (1129)
1	4/0 AWG	2107/30	.080 (2.0)	.095 (2.4)	.980 (24.9)	420	8 (203.2)	940 (1399)
1	250 kcmil	2499/30	.095 (2.4)	.095 (2.4)	1.065 (27.1)	460	9 (228.6)	1113 (1656)
1	300 kcmil	2989/30	.095 (2.4)	.095 (2.4)	1.150 (29.2)	525	9 (228.6)	1300 (1985)
1	350 kcmil	3458/30	.095 (2.4)	.095 (2.4)	1.210 (30.7)	600	10 (254.0)	1483 (2207)
1	400 kcmil	3990/30	.095 (2.4)	.095 (2.4)	1.260 (32.0)	645	10 (254.0)	1669 (2484)
1	500 kcmil	5054/30	.095 (2.4)	.095 (2.4)	1.375 (34.9)	730	11 (279.4)	2059 (3064)
1	600 kcmil	5985/30	.110 (2.8)	.095 (2.4)	1.540 (39.1)	810	12 (304.8)	2453 (3650)
1	750 kcmil	7581/30	.110 (2.8)	.095 (2.4)	1.690 (42.9)	918	14 (355.6)	3024 (4500)
1	1000 kcmil	10101/30	.110 (2.8)	.095 (2.4)	1.830 (46.5)	1095	15 (381.0)	3888 (5786)

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

ALL-TEMP INDUSTRITE® color code: 1) Black 2) White 3) Red 4) Green 5) Orange 6) Blue

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

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