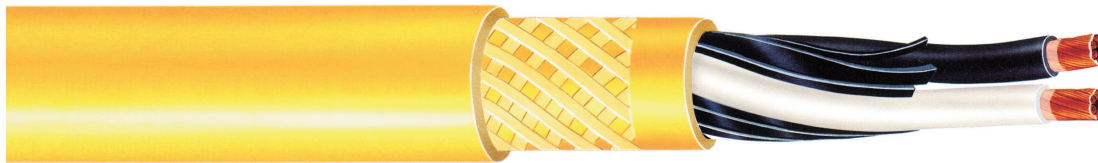


ALL-TEMP INDUSTRITE® Magnet

Type W magnet crane cable / 105° C TO -50° C / 8 to 2/0 AWG / thermoset jacket / 2000V



Applications

ALL-TEMP INDUSTRITE® Magnet Crane Cable is designed and manufactured to withstand the abusive environment predominant in magnet crane areas of operation. ALL-TEMP INDUSTRITE resists cut through, puncture, tearing, abrasion and impact better than standard Type W because of the rugged design and material selection.

ALL-TEMP INDUSTRITE Magnet Crane Cables are ideal for use in scrap yards, foundries, and other installations where there is a severe risk of metal cut through.

Specifications and Ratings

- Rated for continuous operation at 105° C to -50° C
- UL listed (E130231) Type W 2000 volts 90° C wet or dry, sunlight resistant
- Certified CSA (LL231593) Type W, 2000 volt, -50° C FT1.



Construction Options

Consult factory for ALL-TEMP INDUSTRITE® Magnet Crane Cables designed and manufactured in a variety of alternative constructions for specific applications.

Options include:

- Overall shields and armor
- Composite conductors

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

SEPARATOR: Paper separator for easy stripping.

INSULATION: Color coded Thermoset (EPDM) insulation per UL-62 and ANSI/NEMA WC58 ICEA S-75-381 for excellent physical and electrical properties, easy conductor identification. The insulation will not melt or deform during emergency overload or short circuit conditions.

CABLING: Conductors are cabled with non-wicking, hygroscopic fillers for increased impact resistance and exceptional performance in severe flexing applications.

JACKET: A double layer aramid fiber reinforced thermoset jacket per UL-62 and ANSI/NEMA WC58 ICEA S-75-381 prohibits conductor displacement during flexing operations and provides good visibility for safety and maintains flexibility at temperatures ranging from -40° C to 105° C. Kevlar reinforcing improves the cable's strength, cut through, and abrasion resistance characteristics.



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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)
032645	2	8 AWG	168/30	.060 (1.5)	.125 (3.2)	.880 (22.4)	81	7.0 (177.8)	455 (677)
032646	4	8 AWG	168/30	.060 (1.5)	.140 (3.6)	1.040 (26.4)	56	8.0 (203.2)	612 (911)
032647	2	6 AWG	259/30	.060 (1.5)	.125 (3.2)	.945 (24.0)	107	8.0 (203.2)	574 (854)
032648	4	6 AWG	259/30	.060 (1.5)	.140 (3.6)	1.110 (28.2)	75	9.0 (228.6)	834 (1241)
032649	2	4 AWG	420/30	.060 (1.5)	.140 (3.6)	1.075 (27.3)	142	9.0 (228.6)	749 (1115)
032650	4	4 AWG	430/30	.060 (1.5)	.175 (4.4)	1.300 (33.0)	98	10.0 (254.0)	1190 (1771)
032651	2	2 AWG	665/30	.060 (1.5)	.155 (3.9)	1.235 (31.4)	189	10.0 (254.0)	1042 (1551)
032552	4	2 AWG	665/30	.060 (1.5)	.190 (4.8)	1.480 (37.6)	132	12.0 (304.8)	1679 (2499)
032653	2	1 AWG	836/30	.080 (2.0)	.170 (4.3)	1.460 (37.1)	221	12.0 (304.8)	1585 (2359)
032654	2	1/0 AWG	1045/30	.080 (2.0)	.170 (4.3)	1.608 (40.6)	256	13.0 (330.2)	1868 (2780)
032655	2	2/0 AWG	1330/30	.080 (2.0)	.170 (4.3)	1.630 (41.4)	296	13.0 (330.2)	1926 (2866)

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

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