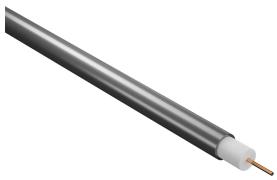
MI Series Alloy 825 XMI-A HAx Heating Cable



nVent RAYCHEM XMI-A mineral insulated (MI) series resistance trace heating cables provide freeze protection and process temperature maintenance on pipes/vessels up to 1022 °F/550 °C and intermittent exposure to 1200 °F/650 °C. Available with 300 V and 600 V rating, approved for applications up to 61 W/ft (200 W/m) and hazardous areas. The Alloy 825 sheath provides extreme resistance to a broad range of corrosive environments.

FEATURES

- Reliable during long life: 10 year product warranty available, robust and rugged construction, proven in harsh climates extends life expectancy
- Reduced total installed cost
- Dual conductor versions particularly suited to small pipes and instrument tubing
- Reduced power supply costs: lower start up currents compared with other technologies
- Simple controls: current monitoring on series resistance provides instant visibility on critical circuits
- Fast track / expedite service for configured heating units for eligible designs
- Excellent corrosion resistance to a wide range of organic acids, alkalis and chloride stress-corrosion cracking

SPECIFICATIONS

Max Continuous Exposure Temperature, Power Off:	650 °C
Min Installation Temperature:	-60 °C
Sheath Material:	Alloy 825
Area Classification:	Non-Hazardous; Hazardous
Insulation Material:	Magnesium Oxide
Ground Path Type:	Sheath
Conductor Material:	Various Alloys and Copper

Table 1/1

Catalog Number	Item Name	Supply Voltage	Max Power Output	Conductor Quantity	Nominal Resistance @ 20°C	Outer Diameter

61SC6640	HAC1N2	0 – 600 V	200 W/m	1	2 Ω/km	8.1 mm
61SC5102	HAC1N3.3	0 – 600 V	200 W/m	1	3.3 Ω/km	6.4 mm
62SC5128	HAC2N4.3	0 – 600 V	270 W/m	2	4.3 Ω/km	13.8 mm
61SC5162	HAC1N5.3	0 – 600 V	200 W/m	1	5.3 Ω/km	6.8 mm
62SC5204	HAC2N6.6	0 – 600 V	270 W/m	2	6.6 Ω/km	12.6 mm
61SC5258	HAC1N8.5	0 – 600 V	200 W/m	1	8.5 Ω/km	5.5 mm
62SC5324	HAC2N10.5	0 – 600 V	270 W/m	2	10.5 Ω/km	10.2 mm
61SC5409	HAC1N13.5	0 – 600 V	200 W/m	1	13.5 Ω/km	4.9 mm
62SC5516	HAC2N17	0 – 600 V	270 W/m	2	17 Ω/km	9.2 mm
61SC5651	HAC1N21.3	0 – 600 V	200 W/m	1	21.3 Ω/km	4.7 mm
62SC5818	HAC2N27	0 – 600 V	270 W/m	2	27 Ω/km	8.4 mm
61SP4113	HAP1N37	0 – 600 V	200 W/m	1	37 Ω/km	4.7 mm
62SC4130	HAC2N43	0 – 600 V	270 W/m	2	43 Ω/km	7.7 mm
61SP4145	HAP1N48	0 – 600 V	200 W/m	1	48 Ω/km	4.3 mm
61SP4183	HAP1N60	0 – 600 V	200 W/m	1	60 Ω/km	4.3 mm
62SC4200	HAC2N66	0 – 600 V	270 W/m	2	66 Ω/km	7.2 mm
61SP4231	HAP1N76	0 – 600 V	200 W/m	1	76 Ω/km	4.4 mm
62SP4281	HAP2N92	0 – 600 V	270 W/m	2	92 Ω/km	7.4 mm
61SP4290	HAP1N95	0 – 600 V	200 W/m	1	95 Ω/km	4.5 mm

32SC4324	HAC2M105	0 – 300 V	200 W/m	2	105 Ω/km	4.7 mm
32SA2400	HAA2M13.2K	0 – 300 V	200 W/m	2	13200 Ω/km	3.7 mm
61SP4366	HAP1N120	0 – 600 V	200 W/m	1	120 Ω/km	4.4 mm
32SA2275	HAA2M9000	0 – 300 V	200 W/m	2	9000 Ω/km	3.9 mm
32SF1110	HAF2M36K	0 – 300 V	200 W/m	2	36000 Ω/km	4 mm
32SB2114	HAB2M3750	0 – 300 V	200 W/m	2	3750 Ω/km	4.4 mm
32SB3700	HAB2M2300	0 – 300 V	200 W/m	2	2300 Ω/km	4.3 mm
32SB3914	HAB2M3000	0 – 300 V	200 W/m	2	3000 Ω/km	4.1 mm
61SB3150	HAB1N500	0 – 600 V	200 W/m	1	500 Ω/km	4.3 mm
61SB3200	HAB1N660	0 – 600 V	200 W/m	1	660 Ω/km	4.6 mm
62SB3700	HAB2N2300	0 – 600 V	270 W/m	2	2300 Ω/km	6.7 mm
62SB3914	HAB2N3000	0 – 600 V	270 W/m	2	3000 Ω/km	5.9 mm
62SP4402	HAP2N130	0 – 600 V	270 W/m	2	130 Ω/km	7 mm
32SF2750	HAF2M24.5K	0 – 300 V	200 W/m	2	24500 Ω/km	4 mm
32SA2600	HAA2M19.7K	0 – 300 V	200 W/m	2	19700 Ω/km	4.1 mm
32SF2900	HAF2M29.5K	0 – 300 V	200 W/m	2	29500 Ω/km	4.1 mm
61SA2130	HAA1N4300	0 – 600 V	200 W/m	1	4300 Ω/km	4.1 mm
61SA2100	HAA1N3300	0 – 600 V	200 W/m	1	3300 Ω/km	4.1 mm
61SA3700	HAA1N2300	0 – 600 V	200 W/m	1	2300 Ω/km	4.1 mm

32SQ3200	HAQ2M660	0 – 300 V	200 W/m	2	660 Ω/km	4.1 mm
61SA2160	HAA1N5250	0 – 600 V	200 W/m	1	5250 Ω/km	4.1 mm
32SP4458	HAP2M150	0 – 300 V	200 W/m	2	150 Ω/km	4.8 mm
61SP4467		0 – 600 V	200 W/m	1	155 Ω/km	4.3 mm
61SA3850	HAA1N2800	0 – 600 V	200 W/m	1	2800 Ω/km	4.3 mm
61SQ4732	HAQ1N240	0 – 600 V	200 W/m	1	240 Ω/km	4.3 mm
61ST3280	HAT1N920	0 – 600 V	200 W/m	1	920 Ω/km	4.3 mm
32SA2170	HAA2M5600	0 – 300 V	200 W/m	2	5600 Ω/km	4.2 mm
32SA2200	HAA2M6600	0 – 300 V	200 W/m	2	6600 Ω/km	4.3 mm
32SF1180	HAF2M59K	0 – 300 V	200 W/m	2	59000 Ω/km	4.4 mm
32SQ3150	HAQ2M495	0 – 300 V	200 W/m	2	495 Ω/km	4.3 mm
61SA3500	HAA1N1640	0 – 600 V	200 W/m	1	1640 Ω/km	4.3 mm
32SA2318	HAA2M10.4K	0 – 300 V	200 W/m	2	10400 Ω/km	4.4 mm
61SA2200	HAA1N6565	0 – 600 V	200 W/m	1	6565 Ω/km	4.3 mm
61SQ3118	HAQ1N390	0 – 600 V	200 W/m	1	390 Ω/km	4.4 mm
61SQ4581	HAQ1N190	0 – 600 V	200 W/m	1	190 Ω/km	4.4 mm
32SP4734	HAP2M240	0 – 300 V	200 W/m	2	240 Ω/km	4.4 mm
32SQ3472	HAQ2M1560	0 – 300 V	200 W/m	2	1560 Ω/km	4.5 mm
32SQ3293	HAQ2M965	0 – 300 V	200 W/m	2	965 Ω/km	4.5 mm

32SP4583	HAP2M190	0 – 300 V	200 W/m	2	190 Ω/km	4.5 mm
32SQ3374	HAQ2M1240	0 – 300 V	200 W/m	2	1240 Ω/km	4.6 mm
62SP4561	HAP2N185	0 – 600 V	270 W/m	2	185 Ω/km	6.7 mm
32SQ3100	HAQ2M330	0 – 300 V	200 W/m	2	330 Ω/km	4.7 mm
62SF1110	HAF2N36K	0 – 600 V	270 W/m	2	36000 Ω/km	4.9 mm
62SF2900	HAF2N29.5K	0 – 600 V	270 W/m	2	29500 Ω/km	4.9 mm
62SF2750	HAF2N24.5K	0 – 600 V	270 W/m	2	24500 Ω/km	5.2 mm
62SQ3374	HAQ2N1240	0 – 600 V	270 W/m	2	1240 Ω/km	5.5 mm
62ST2115	HAT2N3750	0 – 600 V	270 W/m	2	3750 Ω/km	5.5 mm
62SQ3505	HAQ2N1670	0 – 600 V	270 W/m	2	1670 Ω/km	5.5 mm
62SP4775	HAP2N255	0 – 600 V	270 W/m	2	255 Ω/km	6.4 mm
62SQ3286	HAQ2N940	0 – 600 V	270 W/m	2	940 Ω/km	5.6 mm
62SA2275	HAA2N9000	0 – 600 V	270 W/m	2	9000 Ω/km	5.7 mm
62SF2600	HAF2N19.7K	0 – 600 V	270 W/m	2	19700 Ω/km	5.8 mm
62SQ3150	HAQ2N495	0 – 600 V	270 W/m	2	495 Ω/km	5.8 mm
62SQ3200	HAQ2N660	0 – 600 V	270 W/m	2	660 Ω/km	5.8 mm
62SA2170	HAA2N5600	0 – 600 V	270 W/m	2	5600 Ω/km	6.1 mm
62SA2414	HAA2N13.6K	0 – 600 V	270 W/m	2	13600 Ω/km	6.1 mm
62SF2200	HAF2N6600	0 – 600 V	270 W/m	2	6600 Ω/km	6.2 mm

62SQ3100	HAQ2N330	0 – 600 V	270 W/m	2	330 Ω/km	6.5 mm
62ST3505	HAT2N1670	0 – 600 V	270 W/m	2	1760 Ω/km	5.5 mm

WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

North America
Tel +1.800.545.6258
Fax +1.800.527.5703
thermal.info@nvent.com

Europe, Middle East, Africa
Tel +32.16.213.511
Fax +32.16.213.604
thermal.info@nvent.com

Asia Pacific
Tel +86.21.2412.1688
Fax +86.21.5426.3167
cn.thermal.info@nvent.com

Latin America
Tel +1.713.868.4800
Fax +1.713.868.2333
thermal.info@nvent.com