

## 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 & BENEFITS

---

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

---

**Supply Voltage** 0 – 300 V

**Max Power Output** 200 W/m

**Max Continuous Exposure Temperature, Power Off** 700 °C

**Insulation Material** Magnesium Oxide

**Sheath Material** Alloy 825

**Ground Path Type** Sheath

**Area Classification** Non-Hazardous; Hazardous

**Min Installation Temperature** -60 °C

**Conductor Material** Various Alloys and Copper

**Conductor Quantity** 2

Table 1/1			
Catalog Number	Item Name	Nominal Resistance @ 20°C	Outer Diameter
32SA2318	HAA2M10.4K	10400 Ω/km	4.4 mm
32SC4324	HAC2M105	105 Ω/km	4.7 mm
32SQ3374	HAQ2M1240	1240 Ω/km	4.6 mm
32SA2400	HAA2M13.2K	13200 Ω/km	3.7 mm
32SP4458	HAP2M150	150 Ω/km	4.8 mm
32SQ3472	HAQ2M1560	1560 Ω/km	4.5 mm
32SP4583	HAP2M190	190 Ω/km	4.5 mm
32SA2600	HAA2M19.7K	19700 Ω/km	4.1 mm
32SB3700	HAB2M2300	2300 Ω/km	4.3 mm
32SP4734	HAP2M240	240 Ω/km	4.4 mm
32SF2750	HAF2M24.5K	24500 Ω/km	4 mm
32SF2900	HAF2M29.5K	29500 Ω/km	4.1 mm
32SB3914	HAB2M3000	3000 Ω/km	4.1 mm
32SQ3100	HAQ2M330	330 Ω/km	4.7 mm
32SF1110	HAF2M36K	36000 Ω/km	4 mm
32SB2114	HAB2M3750	3750 Ω/km	4.4 mm
32SQ3150	HAQ2M495	495 Ω/km	4.3 mm
32SA2170	HAA2M5600	5600 Ω/km	4.2 mm
32SF1180	HAF2M59K	59000 Ω/km	4.4 mm
32SQ3200	HAQ2M660	660 Ω/km	4.1 mm
32SA2200	HAA2M6600	6600 Ω/km	4.3 mm
32SA2275	HAA2M9000	9000 Ω/km	3.9 mm
32SQ3293	HAQ2M965	965 Ω/km	4.5 mm

**Supply Voltage** 0 – 600 V

**Max Power Output** 270 W/m

**Max Continuous Exposure Temperature, Power Off** 700 °C

**Insulation Material** Magnesium Oxide

**Sheath Material** Alloy 825

**Ground Path Type** Sheath

**Area Classification** Non-Hazardous; Hazardous

**Min Installation Temperature** -60 °C

**Conductor Material** Various Alloys and Copper

**Conductor Quantity** 2

Table 1/1			
Catalog Number	Item Name	Nominal Resistance @ 20°C	Outer Diameter
62SC5324	HAC2N10.5	10.5 Ω/km	10.2 mm
62SQ3374	HAQ2N1240	1240 Ω/km	5.5 mm
62SP4402	HAP2N130	130 Ω/km	7 mm
62SA2414	HAA2N13.6K	13600 Ω/km	6.1 mm
62SQ3505	HAQ2N1670	1670 Ω/km	5.5 mm
62ST3505	HAT2N1670	1760 Ω/km	5.5 mm
62SC5516	HAC2N17	17 Ω/km	9.2 mm
62SP4561	HAP2N185	185 Ω/km	6.7 mm
62SF2600	HAF2N19.7K	19700 Ω/km	5.8 mm
62SB3700	HAB2N2300	2300 Ω/km	6.7 mm
62SF2750	HAF2N24.5K	24500 Ω/km	5.2 mm
62SP4775	HAP2N255	255 Ω/km	6.4 mm
62SC5818	HAC2N27	27 Ω/km	8.4 mm
62SF2900	HAF2N29.5K	29500 Ω/km	4.9 mm
62SB3914	HAB2N3000	3000 Ω/km	5.9 mm
62SQ3100	HAQ2N330	330 Ω/km	6.5 mm
62SF1110	HAF2N36K	36000 Ω/km	4.9 mm
62ST2115	HAT2N3750	3750 Ω/km	5.5 mm
62SC5128	HAC2N4.3	4.3 Ω/km	13.8 mm
62SC4130	HAC2N43	43 Ω/km	7.7 mm
62SQ3150	HAQ2N495	495 Ω/km	5.8 mm
62SA2170	HAA2N5600	5600 Ω/km	6.1 mm
62SC5204	HAC2N6.6	6.6 Ω/km	12.6 mm

Catalog Number	Item Name	Nominal Resistance @ 20°C	Outer Diameter
62SC4200	HAC2N66	66 Ω/km	7.2 mm
62SQ3200	HAQ2N660	660 Ω/km	5.8 mm
62SF2200	HAF2N6600	6600 Ω/km	6.2 mm
62SA2275	HAA2N9000	9000 Ω/km	5.7 mm
62SP4281	HAP2N92	92 Ω/km	7.4 mm
62SQ3286	HAQ2N940	940 Ω/km	5.6 mm

**Supply Voltage** 0 – 600 V

**Max Power Output** 200 W/m

**Max Continuous Exposure Temperature, Power Off** 700 °C

**Insulation Material** Magnesium Oxide

**Sheath Material** Alloy 825

**Ground Path Type** Sheath

**Area Classification** Non-Hazardous; Hazardous

**Min Installation Temperature** -60 °C

**Conductor Material** Various Alloys and Copper

**Conductor Quantity** 1

Table 1/1			
Catalog Number	Item Name	Nominal Resistance @ 20°C	Outer Diameter
61SP4366	HAP1N120	120 Ω/km	4.4 mm
61SC5409	HAC1N13.5	13.5 Ω/km	4.9 mm
61SP4467		155 Ω/km	4.3 mm
61SA3500	HAA1N1640	1640 Ω/km	4.3 mm
61SQ4581	HAQ1N190	190 Ω/km	4.4 mm
61SC6640	HAC1N2	2 Ω/km	8.1 mm
61SC5651	HAC1N21.3	21.3 Ω/km	4.7 mm
61SA3700	HAA1N2300	2300 Ω/km	4.1 mm
61SQ4732	HAQ1N240	240 Ω/km	4.3 mm
61SA3850	HAA1N2800	2800 Ω/km	4.3 mm
61SC5102	HAC1N3.3	3.3 Ω/km	6.4 mm
61SA2100	HAA1N3300	3300 Ω/km	4.1 mm
61SP4113	HAP1N37	37 Ω/km	4.7 mm
61SQ3118	HAQ1N390	390 Ω/km	4.4 mm
61SA2130	HAA1N4300	4300 Ω/km	4.1 mm

Catalog Number	Item Name	Nominal Resistance @ 20°C	Outer Diameter
61SP4145	HAP1N48	48 Ω/km	4.3 mm
61SC5162	HAC1N5.3	5.3 Ω/km	6.8 mm
61SB3150	HAB1N500	500 Ω/km	4.3 mm
61SA2160	HAA1N5250	5250 Ω/km	4.1 mm
61SP4183	HAP1N60	60 Ω/km	4.3 mm
61SA2200	HAA1N6565	6565 Ω/km	4.3 mm
61SB3200	HAB1N660	600 Ω/km	4.6 mm
61SP4231	HAP1N76	76 Ω/km	4.4 mm
61SC5258	HAC1N8.5	8.5 Ω/km	5.5 mm
61ST3280	HAT1N920	920 Ω/km	4.3 mm
61SP4290	HAP1N95	95 Ω/km	4.5 mm

#### North America

Tel +1.800.545.6258  
 Fax +1.800.527.5703  
[thermal.info@nvent.com](mailto:thermal.info@nvent.com)

#### Europe, Middle East, Africa

Tel +32.16.213.511  
 Fax +32.16.213.604  
[thermal.info@nvent.com](mailto:thermal.info@nvent.com)

#### Asia Pacific

Tel +86.21.2412.1688  
 Fax +86.21.5426.3167  
[cn.thermal.info@nvent.com](mailto:cn.thermal.info@nvent.com)

#### Latin America

Tel +1.713.868.4800  
 Fax +1.713.868.2333  
[thermal.info@nvent.com](mailto:thermal.info@nvent.com)



Our powerful portfolio of brands:  
**nVent.com CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER**

© 2021 nVent. All nVent marks and logos are owned or licensed by nVent Services GmbH or its affiliates. All other trademarks are the property of their respective owners.  
 nVent reserves the right to change specifications without notice.