

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 Power Output:	61 W/ft
Max Continuous Exposure Temperature, Power Off:	1200 °F
Min Installation Temperature:	-76 °F
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	Conductor Quantity	Nominal Resistance @ 68°F	Outer Diameter
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61SC6640	600V/1C/825 STH/.000640 OHM/FT HTG CBL	0 – 600 V	1	0.00064 Ω/ft	0.319 in
61SC5102	600V/1C/825 SHEATH/.00102 OHM/FT HTG CBL	0 – 600 V	1	0.00102 Ω/ft	0.253 in
62SC5128	600V/2C/825 SHEATH/.00128 OHM/FT HTG CBL	0 – 600 V	2	0.00128 Ω/ft	0.543 in
61SC5162	600V/1C/825 SHEATH/.00162 OHM/FT HTG CBL	0 – 600 V	1	0.00162 Ω/ft	0.268 in
62SC5204	600V/2C/825 SHEATH/.00204 OHM/FT HTG CBL	0 – 600 V	2	0.00204 Ω/ft	0.496 in
61SC5258	600V/1C/825 SHEATH/.00258 OHM/FT HTG CBL	0 – 600 V	1	0.00258 Ω/ft	0.215 in
62SC5324	600V/2C/825 SHEATH/.00324 OHM/FT HTG CBL	0 – 600 V	2	0.00324 Ω/ft	0.402 in
61SC5409	600V/1C/825 SHEATH/.00409 OHM/FT HTG CBL	0 – 600 V	1	0.00409 Ω/ft	0.191 in
62SC5516	600V/2C/825 SHEATH/.00516 OHM/FT HTG CBL	0 – 600 V	2	0.00516 Ω/ft	0.364 in
61SC5651	600V/1C/825 SHEATH/.00651 OHM/FT HTG CBL	0 – 600 V	1	0.00651 Ω/ft	0.187 in
62SC5818	600V/2C/825 SHEATH/.00818 OHM/FT HTG CBL	0 – 600 V	2	0.00818 Ω/ft	0.331 in
61SP4113	600V/1C/825 SHEATH/.0113 OHM/FT HTG CBL	0 – 600 V	1	0.0113 Ω/ft	0.186 in
62SC4130	600V/2C/825 SHEATH/.0130 OHM/FT HTG CBL	0 – 600 V	2	0.013 Ω/ft	0.304 in
61SP4145	600V/1C/825 SHEATH/.0145 OHM/FT HTG CBL	0 – 600 V	1	0.0145 Ω/ft	0.17 in
61SP4183	600V/1C/825 SHEATH/.0183 OHM/FT HTG CBL	0 – 600 V	1	0.0183 Ω/ft	0.17 in

62SC4200	600V/2C/825 SHEATH/.0200 OHM/FT HTG CBL	0 – 600 V	2	0.02 Ω/ft	0.285 in
61SP4231	600V/1C/825 SHEATH/.0231 OHM/FT HTG CBL	0 – 600 V	1	0.0231 Ω/ft	0.174 in
62SP4281	600V/2C/825 SHEATH/.0281 OHM/FT HTG CBL	0 – 600 V	2	0.0281 Ω/ft	0.292 in
61SP4290	600V/1C/825 SHEATH/.0290 OHM/FT HTG CBL	0 – 600 V	1	0.029 Ω/ft	0.177 in
32SC4324	300V/2C/825 SHEATH/.0324 OHM/FT HTG CBL	0 – 300 V	2	0.0324 Ω/ft	0.184 in
32SA2400	300V/2C/825 SHEATH/4.00 OHM/FT HTG CBL	0 – 300 V	2	4 Ω/ft	0.146 in
61SP4366	600V/1C/825 SHEATH/.0366 OHM/FT HTG CBL	0 – 600 V	1	0.0366 Ω/ft	0.173 in
32SA2275	300V/2C/825 SHEATH/2.75 OHM/FT HTG CBL	0 – 300 V	2	2.75 Ω/ft	0.153 in
32SF1110	300V/2C/825 SHEATH/11.0 OHM/FT HTG CBL	0 – 300 V	2	11 Ω/ft	0.156 in
32SB2114	300V/2C/825 SHEATH/1.14 OHM/FT HTG CBL	0 – 300 V	2	1.14 Ω/ft	0.174 in
32SB3700	300V/2C/825 SHEATH/.700 OHM/FT HTG CBL	0 – 300 V	2	0.7 Ω/ft	0.17 in
32SB3914	300V/2C/825 SHEATH/.914 OHM/FT HTG CBL	0 – 300 V	2	0.914 Ω/ft	0.162 in
61SB3150	600V/1C/825 SHEATH/.150 OHM/FT HTG CBL	0 – 600 V	1	0.15 Ω/ft	0.17 in
61SB3200	600V/1C/825 SHEATH/.200 OHM/FT HTG CBL	0 – 600 V	1	0.2 Ω/ft	0.18 in
62SB3700	600V/2C/825 SHEATH/.700 OHM/FT HTG CBL	0 – 600 V	2	0.7 Ω/ft	0.265 in

62SB3914	600V/2C/825 SHEATH/.914 OHM/FT HTG CBL	0 – 600 V	2	0.914 Ω/ft	0.232 in
62SP4402	600V/2C/825 SHEATH/.0402 OHM/FT HTG CBL	0 – 600 V	2	0.0402 Ω/ft	0.277 in
32SF2750	300V/2C/825 SHEATH/7.50 OHM/FT HTG CBL	0 – 300 V	2	7.5 Ω/ft	0.157 in
32SA2600	300V/2C/825 SHEATH/6.00 OHM/FT HTG CBL	0 – 300 V	2	6 Ω/ft	0.16 in
32SF2900	300V/2C/825 SHEATH/9.00 OHM/FT HTG CBL	0 – 300 V	2	9 Ω/ft	0.16 in
61SA2130	600V/1C/825 SHEATH/1.30 OHM/FT HTG CBL	0 – 600 V	1	1.3 Ω/ft	0.16 in
61SA2100	600V/1C/825 SHEATH/1.00 OHM/FT HTG CBL	0 – 600 V	1	1 Ω/ft	0.16 in
61SA3700	600V/1C/825 SHEATH/.700 OHM/FT HTG CBL	0 – 600 V	1	0.7 Ω/ft	0.16 in
32SQ3200	300V/2C/825 SHEATH/.200 OHM/FT HTG CBL	0 – 300 V	2	0.2 Ω/ft	0.161 in
61SA2160	600V/1C/825 SHEATH/1.60 OHM/FT HTG CBL	0 – 600 V	1	1.6 Ω/ft	0.163 in
32SP4458	300V/2C/825 SHEATH/.0458 OHM/FT HTG CBL	0 – 300 V	2	0.0458 Ω/ft	0.188 in
61SP4467	600V/1C/825 SHEATH/.0467 OHM/FT HTG CBL	0 – 600 V	1	0.0467 Ω/ft	0.17 in
61SA3850	600V/1C/825 SHEATH/.850 OHM/FT HTG CBL	0 – 600 V	1	0.85 Ω/ft	0.17 in
61SQ4732	600V/1C/825 SHEATH/.0732 OHM/FT HTG CBL	0 – 600 V	1	0.0732 Ω/ft	0.17 in
61ST3280	600V/1C/825 SHEATH/.280 OHM/FT HTG CBL	0 – 600 V	1	0.28 Ω/ft	0.17 in

32SA2170	300V/2C/825 SHEATH/1.70 OHM/FT HTG CBL	0 – 300 V	2	1.7 Ω /ft	0.167 in
32SA2200	300V/2C/825 SHEATH/2.00 OHM/FT HTG CBL	0 – 300 V	2	2 Ω /ft	0.169 in
32SF1180	300V/2C/825 SHEATH/18.0 OHM/FT HTG CBL	0 – 300 V	2	18 Ω /ft	0.174 in
32SQ3150	300V/2C/825 SHEATH/.150 OHM/FT HTG CBL	0 – 300 V	2	0.15 Ω /ft	0.168 in
61SA3500	600V/1C/825 SHEATH/.500 OHM/FT HTG CBL	0 – 600 V	1	0.5 Ω /ft	0.17 in
32SA2318	300V/2C/825 SHEATH/3.18 OHM/FT HTG CBL	0 – 300 V	2	3.18 Ω /ft	0.174 in
61SA2200	600V/1C/825 SHEATH/2.00 OHM/FT HTG CBL	0 – 600 V	1	2 Ω /ft	0.17 in
61SQ3118	600V/1C/825 SHEATH/.118 OHM/FT HTG CBL	0 – 600 V	1	0.118 Ω /ft	0.175 in
61SQ4581	600V/1C/825 SHEATH/.0581 OHM/FT HTG CBL	0 – 600 V	1	0.0581 Ω /ft	0.172 in
32SP4734	300V/2C/825 SHEATH/.0734 OHM/FT HTG CBL	0 – 300 V	2	0.0734 Ω /ft	0.174 in
32SQ3472	300V/2C/825 SHEATH/.472 OHM/FT HTG CBL	0 – 300 V	2	0.472 Ω /ft	0.177 in
32SQ3293	300V/2C/825 SHEATH/.293 OHM/FT HTG CBL	0 – 300 V	2	0.293 Ω /ft	0.179 in
32SP4583	300V/2C/825 SHEATH/.0583 OHM/FT HTG CBL	0 – 300 V	2	0.0583 Ω /ft	0.178 in
32SQ3374	300V/2C/825 SHEATH/.374 OHM/FT HTG CBL	0 – 300 V	2	0.374 Ω /ft	0.183 in
62SP4561	600V/2C/825 SHEATH/.0561 OHM/FT HTG CBL	0 – 600 V	2	0.0561 Ω /ft	0.263 in

62SQ3100	300V/2C/825 SHEATH/.100 OHM/FT HTG CBL	0 – 300 V	2	0.1 Ω/ft	0.185 in
62SF1110	600V/2C/825 SHEATH/11.0 OHM/FT HTG CBL	0 – 600 V	2	11 Ω/ft	0.194 in
62SF2900	600V/2C/825 SHEATH/9.00 OHM/FT HTG CBL	0 – 600 V	2	9 Ω/ft	0.194 in
62SF2750	600V/2C/825 SHEATH/7.50 OHM/FT HTG CBL	0 – 600 V	2	7.5 Ω/ft	0.205 in
62SQ3374	600V/2C/825 SHEATH/.374 OHM/FT HTG CBL	0 – 600 V	2	0.374 Ω/ft	0.215 in
62ST2115	600V/2C/825 SHEATH/1.15 OHM/FT HTG CBL	0 – 600 V	2	1.15 Ω/ft	0.215 in
62SQ3505	600V/2C/825 SHEATH/.505 OHM/FT HTG CBL	0 – 600 V	2	0.505 Ω/ft	0.215 in
62SP4775	600V/2C/825 SHEATH/.0775 OHM/FT HTG CBL	0 – 600 V	2	0.0775 Ω/ft	0.25 in
62SQ3286	600V/2C/825 SHEATH/.286 OHM/FT HTG CBL	0 – 600 V	2	0.286 Ω/ft	0.222 in
62SA2275	600V/2C/825 SHEATH/2.75 OHM/FT HTG CBL	0 – 600 V	2	2.75 Ω/ft	0.225 in
62SF2600	600V/2C/825 SHEATH/6.00 OHM/FT HTG CBL	0 – 600 V	2	6 Ω/ft	0.23 in
62SQ3150	600V/2C/825 SHEATH/.150 OHM/FT HTG CBL	0 – 600 V	2	0.15 Ω/ft	0.227 in
62SQ3200	600V/2C/825 SHEATH/.200 OHM/FT HTG CBL	0 – 600 V	2	0.2 Ω/ft	0.227 in
62SA2170	600V/2C/825 SHEATH/1.70 OHM/FT HTG CBL	0 – 600 V	2	1.7 Ω/ft	0.24 in
62SA2414	600V/2C/825 SHEATH/4.14 OHM/FT HTG CBL	0 – 600 V	2	4.14 Ω/ft	0.24 in

62SF2200	600V/2C/825 SHEATH/2.00 OHM/FT HTG CBL	0 – 600 V	2	2 Ω/ft	0.245 in
62SQ3100	600V/2C/825 SHEATH/.100 OHM/FT HTG CBL	0 – 600 V	2	0.1 Ω/ft	0.257 in
62ST3505	600V/2C/825 SHEATH/.505 OHM/FT HTG CBL	0 – 600 V	2	0.51 Ω/ft	0.22 in

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.

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