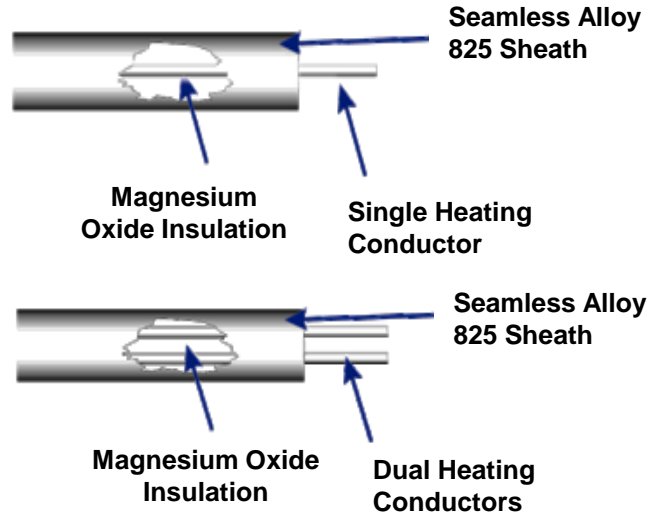


KEY FEATURES

- ✓ Alloy 825 sheathed MI (Mineral Insulated) cable is the most durable heating cable available.
- ✓ High wattage per foot of cable (limited in hazardous areas).
- ✓ Corrosion Resistance properties Suitable/Rated for MOST chemicals
- ✓ Cold leads constructed of MI cable.

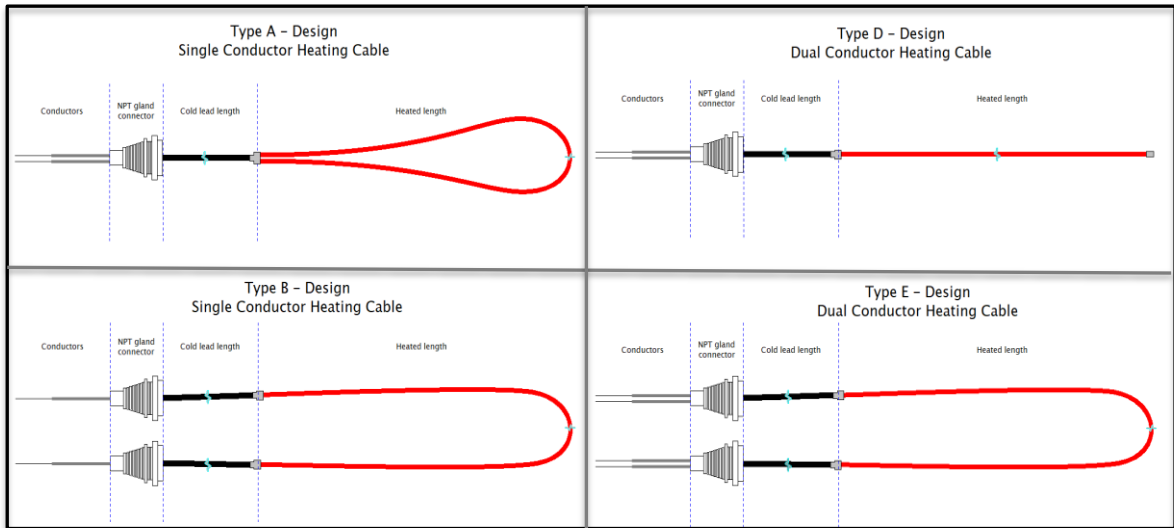


Alloy 825 sheathed heating cables and elements are ideal for industrial freeze protection, high temperature process maintenance heat tracing, and areas where various levels of corrosion resistance is required.

TECHNICAL SPECIFICATIONS

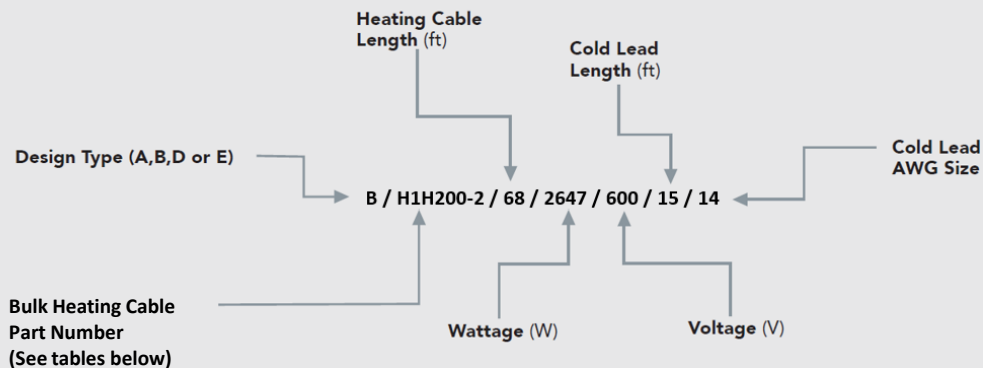
SHEATH MATERIAL	Seamless Alloy 825
VOLTAGE	120V-300V (Dual conductor) and 120V-600V (Single & Dual conductor) cable options available
INSULATION MATERIALS	Highly Compressed Magnesium Oxide
APPLICATIONS	<ul style="list-style-type: none"> • Industrial pipe tracing (hazardous and nonhazardous) • High temperature installations • Long circuit tracing applications • Process/Product Temperature Maintenance • Freeze Protection in harsh/rugger/ corrosive environments
OUTPUT POWER	28w/ft - 61w/ft
CONDUCTORS	Single and Dual conductor cables available
GLANDS	½" - ¾" NPT Glands
COLD LEAD CONSTRUCTION	<p>AWG size determined to reflect electrical code requirements: 14 to 4 AWG sizes available and designed to suit specific cables</p> <ul style="list-style-type: none"> • Cold leads come at a standard 7' to 15' lengths, but cold leads can be extended to longer lengths to suit your application • Jacketed cold leads come with PVC shroud

Design Options for Factory Terminated Cable Units



SHEATH MATERIAL	CABLE TYPE	NUMBER OF CONDUCTORS	VOLTAGE	OUTPUT (W/FT) POWER
ALLOY 825	L2H	2	300	28W/FT
ALLOY 825	H1H	1	600	41W/FT
ALLOY 825	H2H	2	600	61W/FT

ORDERING MATRIX



H1H Reference Chart – Up to 600V Rated, 1 Conductor References

PART #	Nominal Cable		Nominal Cable Diameter		Sheath Thickness		Insulation Thickness		Conductor Diameter		Approx Wt. kg/km
	OHMS/FT	OHMS/M	in.	mm	in.	mm	in.	mm	in.	mm	
600 Volt Single Conductor											
H1H200-2	2	6.56	0.146	3.7	0.012	0.3	0.052	1.32	0.018	0.46	47
H1H160-2	1.6	5.25	0.163	4.1	0.013	0.33	0.058	1.47	0.020	0.51	57
H1H130-2	1.3	4.26	0.16	4.1	0.013	0.33	0.056	1.42	0.022	0.56	57
H1H100-2	1	3.28	0.16	4.1	0.013	0.33	0.054	1.37	0.026	0.66	57
H1H850-3	0.85	2.79	0.17	4.3	0.014	0.36	0.057	1.45	0.028	0.71	63
H1H700-3	0.7	2.30	0.16	4.1	0.013	0.33	0.051	1.3	0.031	0.79	57
H1H500-3	0.5	1.64	0.18	4.6	0.015	0.38	0.057	1.45	0.037	0.94	72
H1H280-3	0.28	0.919	0.183	4.6	0.016	0.41	0.062	1.57	0.025	0.64	72
H1H200-3	0.2	0.656	0.18	4.6	0.015	0.38	0.056	1.42	0.038	0.97	72
H1H150-3	0.15	0.492	0.18	4.6	0.015	0.38	0.052	1.32	0.044	1.12	72
H1H118-3	0.118	0.387	0.183	4.6	0.016	0.41	0.064	1.63	0.023	0.58	72
H1H732-4	0.0732	0.240	0.184	4.7	0.016	0.41	0.061	1.55	0.029	0.74	75
H1H581-4	0.0581	0.191	0.184	4.7	0.016	0.41	0.059	1.5	0.032	0.81	75
H1H467-4	0.0467	0.153	0.183	4.6	0.016	0.41	0.062	1.57	0.025	0.64	72
H1H366-4	0.0366	0.120	0.184	4.7	0.016	0.41	0.061	1.55	0.029	0.74	75
H1H290-4	0.029	0.0951	0.184	4.7	0.016	0.41	0.059	1.5	0.032	0.81	75
H1H231-4	0.0231	0.0758	0.184	4.7	0.016	0.41	0.057	1.45	0.036	0.91	75
H1H183-4	0.0183	0.0600	0.184	4.7	0.016	0.41	0.055	1.4	0.040	1.02	75
H1H145-4	0.0145	0.0476	0.184	4.7	0.016	0.41	0.053	1.35	0.045	1.14	75
H1H113-4	0.0113	0.0371	0.186	4.7	0.017	0.43	0.051	1.3	0.052	1.32	75
H1H651-5	0.00651	0.0214	0.187	4.7	0.018	0.46	0.055	1.4	0.041	1.04	75
H1H409-5	0.00409	0.0134	0.191	4.9	0.019	0.48	0.055	1.4	0.044	1.12	82
H1H258-5	0.00258	0.00846	0.215	5.5	0.021	0.53	0.055	1.4	0.064	1.63	104
H1H162-5	0.00162	0.00531	0.273	6.9	0.027	0.69	0.069	1.75	0.081	2.06	163
H1H102-5	0.00102	0.00335	0.253	6.4	0.025	0.64	0.052	1.32	0.102	2.59	123
H1H640-6	0.00064	0.0021	0.319	8.1	0.032	0.81	0.064	1.63	0.128	3.25	225

WARRANTY

We believe in the superior quality of our TRM SM cable products. Our standard warranty is 2 years from the date of purchase. Contact us regarding extended warranty terms and conditions. TRM is a Canadian-owned leading designer, and manufacturer of premium heating cable and systems in the commercial, industrial and residential sectors.



L2H Reference Chart – Up to 300V Rated, 2 Conductor Cable References

PART #	Nominal Cable Resistance @ 20°C (Loop)		Nominal Cable Diameter		Sheath Thickness		Insulation Thickness		Conductor Diameter		Approx
	OHMS/Ft	OHMS/M	in.	mm	in.	mm	in.	mm	in.	mm	
300v Two conductor											
L2H110-1	11	36.1	0.13	3.3	0.011	0.25	0.028	0.66	0.012	0.3	37
L2H900-2	9	29.5	0.136	3.5	0.011	0.28	0.028	0.71	0.013	0.33	42
L2H750-2	7.5	24.6	0.136	3.5	0.012	0.3	0.031	0.79	0.015	0.38	42
L2H600-2	6	19.7	0.135	3.4	0.01	0.25	0.028	0.71	0.015	0.38	39
L2H400-2	4	13.1	0.146	3.7	0.012	0.3	0.028	0.71	0.018	0.46	47
L2H275-2	2.75	9.02	0.146	3.7	0.012	0.3	0.026	0.66	0.022	0.56	47
L2H200-2	2	6.56	0.18	4.6	0.015	0.38	0.033	0.84	0.026	0.66	72
L2H170-2	1.7	5.58	0.16	4.1	0.014	0.36	0.03	0.76	0.028	0.71	57
L2H114-2	1.14	3.74	0.17	4.3	0.017	0.43	0.035	0.89	0.023	0.58	63
L2H700-3	0.7	2.3	0.16	4.1	0.013	0.33	0.025	0.64	0.029	0.74	57
L2H472-3	0.472	1.55	0.169	4.3	0.017	0.43	0.039	0.99	0.016	0.41	63
L2H374-3	0.374	1.23	0.169	4.3	0.017	0.43	0.038	0.97	0.018	0.46	63
L2H293-3	0.293	0.961	0.17	4.3	0.017	0.43	0.037	0.94	0.02	0.51	63
L2H200-3	0.2	0.656	0.146	3.7	0.012	0.3	0.025	0.64	0.025	0.64	47
L2H150-3	0.15	0.492	0.16	4.1	0.013	0.33	0.026	0.66	0.028	0.71	57
L2H100-3	0.1	0.328	0.18	4.6	0.015	0.38	0.027	0.69	0.035	0.89	72
L2H734-4	0.0734	0.241	0.17	4.3	0.017	0.43	0.031	0.79	0.029	0.74	63
L2H583-4	0.0583	0.191	0.17	4.3	0.017	0.43	0.029	0.74	0.032	0.81	63
L2H458-4	0.0458	0.15	0.171	4.3	0.017	0.43	0.027	0.69	0.036	0.91	63
L2H324-4	0.0324	0.106	0.17	4.3	0.017	0.43	0.033	0.84	0.025	0.64	63

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H2H Reference Chart – Up to 600V Rated, 2 Conductor Cable References

PART #	Nominal Cable		Nominal Cable Diameter		Sheath Thickness		Insulation Thickness		Conductor Diameter		Approx Wt.
	OHMS/Ft	OHMS/M	in.	mm	in.	mm	in.	mm	in.	mm	kg/km
600 Volt Two Conductor											
H2H110-1	11	36.1	0.215	5.5	0.018	0.46	0.052	1.32	0.012	0.3	105
H2H900-2	9	29.5	0.215	5.5	0.018	0.46	0.051	1.3	0.013	0.33	105
H2H600-2	6	19.7	0.215	5.5	0.018	0.46	0.05	1.27	0.016	0.41	105
H2H414-2	4.14	13.6	0.211	5.4	0.02	0.51	0.051	1.3	0.018	0.46	101
H2H200-2	2	6.56	0.245	6.2	0.02	0.51	0.05	1.27	0.027	0.69	133
H2H115-2	1.15	3.77	0.211	5.4	0.02	0.51	0.051	1.3	0.018	0.46	101
H2H700-3	0.7	2.3	0.265	6.7	0.022	0.56	0.055	1.4	0.029	0.74	160
H2H505-3	0.505	1.66	0.206	5.2	0.02	0.51	0.051	1.3	0.015	0.38	94
H2H286-3	0.286	0.938	0.217	5.5	0.021	0.53	0.051	1.3	0.02	0.51	105
H2H200-3	0.2	0.656	0.245	6.2	0.02	0.51	0.052	1.32	0.025	0.64	133
H2H150-3	0.15	0.492	0.245	6.2	0.02	0.51	0.05	1.27	0.028	0.71	133
H2H100-3	0.1	0.328	0.265	6.7	0.022	0.56	0.051	1.3	0.035	0.89	160
H2H775-4	0.0775	0.254	0.234	5.9	0.023	0.58	0.051	1.3	0.028	0.71	124
H2H561-4	0.0561	0.184	0.245	6.2	0.024	0.61	0.051	1.3	0.033	0.84	133
H2H402-4	0.0402	0.132	0.258	6.6	0.025	0.64	0.051	1.3	0.039	0.99	155
H2H281-4	0.0281	0.0922	0.275	7	0.027	0.69	0.051	1.3	0.046	1.17	174
H2H200-4	0.02	0.0656	0.285	7.2	0.028	0.71	0.055	1.4	0.033	0.84	184
H2H130-4	0.013	0.0427	0.304	7.7	0.029	0.74	0.055	1.4	0.04	1.02	211
H2H818-5	0.00818	0.0268	0.311	7.9	0.032	0.81	0.055	1.4	0.051	1.3	222
H2H516-5	0.00516	0.0169	0.364	9.2	0.035	0.89	0.055	1.4	0.064	1.63	333
H2H324-5	0.00324	0.0106	0.402	10.2	0.033	0.84	0.059	1.5	0.081	2.06	409
H2H204-5	0.00204	0.00669	0.496	12.6	0.041	1.04	0.072	1.83	0.102	2.59	625
H2H128-5	0.00128	0.0042	0.543	13.8	0.04	1.02	0.069	1.75	0.128	3.25	749

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CORROSION RESISTANCE RATINGS

The following table lists various materials and their resistance to chemicals under average conditions. However, it is intended only as a guide and does not imply a guarantee due to the number of variable conditions which may be encountered.

Ratings

“E” - The material should be suitable under most conditions.

“S” - The material offers fair corrosion resistance. It may be considered in place of a material with an "E" rating when some property other than corrosion resistance governs its use.

“N” - The material is not suitable.

“-” - material was not tested or used in this media

	Cupro Nickel	Alloy 825	304 Stainless	Inconel 600
Acetic Acid	E	E	S	S
Acetic Anhydride	S	E	S	S
Acetone	E	E	E	E
Acetylene	N	E	E	S
Alcohols	E	E	E	-
Alum	E	E	N	S
Alumina	E	E	N	N
Aluminum Chloride	S	E	N	-
Aluminum Hydroxide	E	E	E	-
Aluminum Sulfate	E	E	N	S
Ammonia, Absolutely dry	E	E	E	E
Ammonia, moist	S	E	E	E
Ammonium Hydroxide	S	E	E	E
Ammonium Chloride	S	E	N	S
Ammonium Nitrate	S	E	E	S
Ammonium Sulfate	S	E	S	S
Amyl Acetate	S	E	E	E
Amyl Alcohol	E	E	-	-
Aniline	N	E	E	E
Aniline Dyes	N	E	E	E
Asphalt	E	E	E	-
Atmosphere, Industrial	E	E	E	E
Atmosphere, Marine	E	E	N	S
Atmosphere, Rural	E	E	E	E
Barium Carbonate	E	E	E	E
Barium Chloride	S	E	S	S
Barium Hydroxide	E	E	S	E
Barium Sulfate	E	E	E	-
Barium Sulfide	S	E	E	-
Beer	E	E	E	E
Beet Sugar Syrups	E	E	E	-
Benzine	E	E	E	E
Benzoic Acid	E	E	S	-
Benzol	E	E	E	E
Black Liquor, Sulphate Process	S	E	S	N
Bleaching Powder, Wet	S	S	N	N
Borax	E	E	E	E
Bordeaux Mixture	E	-	E	-
Boric Acid	E	E	S	E

	Cupro Nickel	Alloy 825	304 Stainless	Inconel 600
Brines	E	E	-	S
Bromine, dry	E	E	N	-
Bromine, moist	S	S	N	E
Butane	E	E	E	E
Butyl Alcohol	S	E	-	-
Butyric Acid	S	E	E	S
Calcium Bisilite	S	E	S	N
Calcium Chloride	S	E	E	E
Calcium Hydroxide	E	E	S	E
Calcium Hypochlorite	S	S	N	S
Cane Sugar Syrups	E	E	E	E
Carbolic Acid	S	E	S	E
Carbon Dioxide, dry	E	E	E	E
Carbon Dioxide, moist	E	E	S	E
Carbonated Water	E	E	E	-
Carbonated Beverages	E	E	E	E
Carbon Disulfide	-	E	E	-
Carbon Tetrachloride, dry	E	E	E	E
Carbon Tetrachloride, moist	E	E	S	E
Castor Oil	E	E	E	E
Chlorine, dry	E	E	S	-
Chlorine, moist	S	S	N	N
Chloracetic Acid	S	E	N	S
Chloroform, dry	E	E	E	E
Chromic Acid	N	E	N	N
Cider	S	E	S	-
Citric Acid	E	E	S	-
Coffee	E	E	E	-
Copper Chloride	N	E	S	N
Copper Nitrate	N	E	E	N
Copper Sulfate	E	E	E	S
Corn Oil	E	E	E	E
Cottonseed Oil	E	E	E	E
Creosote	E	E	N	-
Crude Oil	E	E	E	-
Ethers	E	E	E	E
Ethyl Acetate	E	E	S	S
Ethyl Alcohol	E	E	E	-
Ethyl Chloride	S	E	E	E
Ethylene Glycol	E	E	E	-
Ferric Chloride	N	S	N	N
Ferric Sulfate	N	E	E	E
Ferrous Chloride	S	S	N	N
Ferrous Sulfate	S	E	S	-
Formaldehyde	E	E	S	E
Formic Acid	S	E	N	S
Freon	E	E	E	-
Fruit Juices	S	E	E	E
Fuel Oil	E	E	N	S
Furfural	E	E	E	S
Gasoline	E	E	E	E

	Cupro Nickel	Alloy 825	304 Stainless	Inconel 600
Gelatine	E	E	E	E
Glucose	E	E	E	E
Glue	E	E	-	-
Glycerine	E	E	E	E
Hydrobromic Acid	N	S	N	N
Hydrocarbons, Pure	E	E	E	E
Hydrochloric Acid	N	S	N	N
Hydrocyanic Acid, dry	S	S	N	S
Hydrofluosilicic Acid	S	E	N	S
Hydrogen	E	E	E	-
Hydrogen Peroxide	N	E	S	E
Hydrogen Sulfide, dry	E	E	S	S
Hydrogen Sulfide, moist	N	E	S	S
Kerosene	E	E	E	E
Lacquers	E	E	S	-
Lacquer Solvents	E	E	-	-
Lactic Acid	E	E	S	S
Lime	E	E	S	-
Line-Sulfur	N	-	E	-
Linseed Oil	S	E	E	S
Magnesium Chloride	S	E	S	E
Magnesium Hydroxide	E	E	E	S
Magnesium Sulfate	E	E	E	E
Mercury	N	E	E	E
Mercury Salts	N	E	E	S
Methyl Alcohol	S	E	E	E
Methyl Chloride, dry	E	E	E	E
Milk	E	E	E	E
Mine Water	-	E	E	-
Natural Gas	E	E	E	E
Nitric Acid	N	E	S	N
Nitrogen	E	E	-	S
Oleic Acid	S	E	N	E
Oxalic Acid	S	E	N	E
Oxygen	E	E	E	E
Palmitic Acid	S	E	N	-
Paraffin	E	E	E	-
Phosphoric Acid	S	E	N	S
Potassium Carbonate	E	E	E	E
Potassium Chloride	E	E	N	E
Potassium Chromate	E	E	S	E
Potassium Cyanide	N	E	E	E
Potassium Dichromate, Acid	N	E	E	S
Potassium Hydroxide	E	E	S	E
Potassium Sulfate	E	E	E	E
Propane	E	E	E	-
Rosin	E	E	E	-
Sea Water	E	E	N	S
Sewage	E	E	-	-
Silver Salts	N	E	E	-
Soap Solutions	E	E	E	-

	Cupro Nickel	Alloy 825	304 Stainless	Inconel 600
Sodium Bicarbonate	E	E	S	S
Sodium Bisulfate	E	E	S	S
Sodium Bisulfite	S	E	S	S
Sodium Carbonate	E	E	E	E
Sodium Chloride	E	E	N	E
Sodium Chromate	E	E	-	-
Sodium Cyanide	N	E	E	-
Sodium Dichromate, Acid	N	E	-	-
Sodium Hydroxide (Caustic Soda)	E	E	S	E
Sodium Hypochlorite	S	S	N	N
Sodium Nitrate	E	E	S	E
Sodium Peroxide	S	E	E	E
Sodium Phosphate	E	E	E	E
Sodium Silicate	E	E	E	E
Sodium Sulfate	E	E	E	S
Sodium Sulfide	N	E	N	S
Sodium Sulfite	S	E	E	S
Sodium Thiosulfate	N	E	E	E
Steam	E	E	E	-
Stearic Acid	E	E	S	E
Sugar Solutions	E	E	-	-
Sulfur, dry	E	E	S	S
Sulfur, molten	N	S	S	N
Sulfur Chloride, dry	E	E	S	-
Sulfur Dioxide, dry	E	E	E	E
Sulfur Dioxide, moist	N	E	S	N
Sulfur Trioxide, dry	E	E	-	-
Sulfuric Acid, 80-95%	S	E	N	N
Sulfuric Acid, 40-80%	N	E	N	N
Sulfuric Acid, 40%	S	E	N	S
Sulfurous Acid	N	E	N	N
Tannic Acid	E	E	E	-
Tar	E	E	-	-
Tartaric Acid	E	E	S	S
Toluene	E	E	E	E
Trichloroacetic Acid	S	E	E	-
Trichlorethylene, dry	E	E	S	S
Trichlorethylene, moist	E	E	S	S
Turpentine	E	E	S	E
Varnish	E	E	E	-
Vinegar	E	E	S	E
Water, Potable	E	E	E	-
Zinc Chloride	S	E	N	-
Zinc Sulfate	E	E	S	-