TRM
Thermal Resources Management

MI- Stainless

Stainless Steal & Cupronickel Sheathed Cable & Design

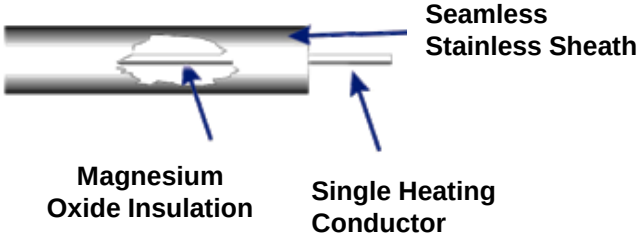
Stainless steal sheathed heating cables and elements are ideal for industrial freeze protection, high temperature process maintenance heat tracing, and areas where good corrosion resistance are required. Stainless steel and cupronickel sheathed MI cable are very acceptable alternatives to alloy 825 cable, for industrial trace heating applications.

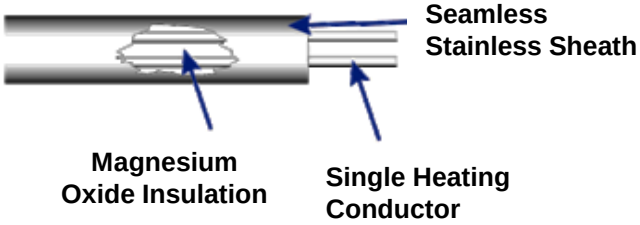
Metal sheathed MI (mineral insulated) cable is the most durable heating cable available.

High wattage per foot of cable (limited in hazardous areas).

Cables rated at 300V and 600V (see tables).

Cold leads constructed of MI cable.





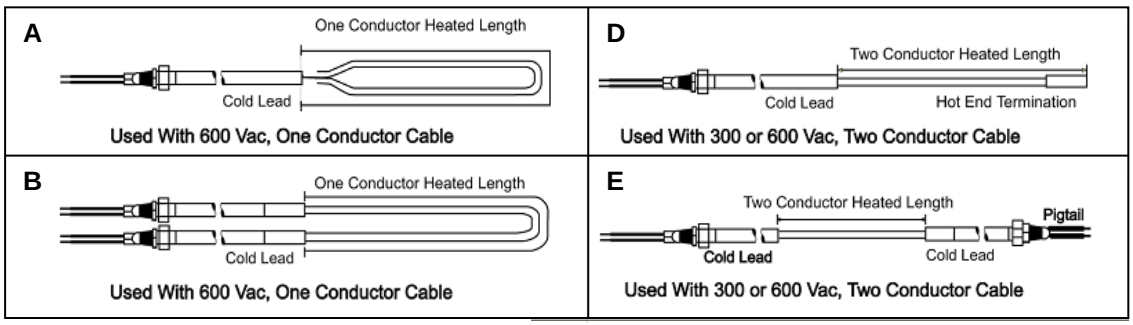
Applications

•Industrial pipe tracing (hazardous and non-hazardous)

•High temperature installations

•Long circuit tracing applications

Factory Terminated Cable Units – Design Options



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Heating Cable Reference Charts (Stainless Steel)

PART #	Nominal Cable Resistance @ 20°C		Nominal Cable Diameter		Sheath Thickness		Insulation Thickness		Conductor Diameter		Approx
300v Two conductor											
	OHMS/Ft	OHMS/M	in.	mm	in.	mm	in.	mm	in.	mm	kg/km
L2S110-1	11	36.1	0.13	3.3	0.011	0.25	0.028	0.66	0.012	0.3	37
L2S900-2	9	29.5	0.136	3.5	0.011	0.28	0.028	0.71	0.013	0.33	42
L2S750-2	7.5	24.6	0.136	3.5	0.012	0.3	0.031	0.79	0.015	0.38	42
L2S600-2	6	19.7	0.135	3.4	0.01	0.25	0.028	0.71	0.015	0.38	39
L2S400-2	4	13.1	0.146	3.7	0.012	0.3	0.028	0.71	0.018	0.46	47
L2S275-2	2.75	9.02	0.146	3.7	0.012	0.3	0.026	0.66	0.022	0.56	47
L2S200-2	2	6.56	0.18	4.6	0.015	0.38	0.033	0.84	0.026	0.66	72
L2S170-2	1.7	5.58	0.16	4.1	0.014	0.36	0.03	0.76	0.028	0.71	57
L2S114-2	1.14	3.74	0.17	4.3	0.017	0.43	0.035	0.89	0.023	0.58	63
L2S700-3	0.7	2.3	0.16	4.1	0.013	0.33	0.025	0.64	0.029	0.74	57
L2S472-3	0.472	1.55	0.169	4.3	0.017	0.43	0.039	0.99	0.016	0.41	63
L2S374-3	0.374	1.23	0.169	4.3	0.017	0.43	0.038	0.97	0.018	0.46	63
L2S293-3	0.293	0.961	0.17	4.3	0.017	0.43	0.037	0.94	0.02	0.51	63
L2S200-3	0.2	0.656	0.146	3.7	0.012	0.3	0.025	0.64	0.025	0.64	47
L2S150-3	0.15	0.492	0.16	4.1	0.013	0.33	0.026	0.66	0.028	0.71	57
L2S100-3	0.1	0.328	0.18	4.6	0.015	0.38	0.027	0.69	0.035	0.89	72
L2S734-4	0.0734	0.241	0.17	4.3	0.017	0.43	0.031	0.79	0.029	0.74	63
L2S583-4	0.0583	0.191	0.17	4.3	0.017	0.43	0.029	0.74	0.032	0.81	63
L2S458-4	0.0458	0.15	0.171	4.3	0.017	0.43	0.027	0.69	0.036	0.91	63
L2S324-4	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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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 Single Conductor											
H1S200-2	2	6.56	0.146	3.7	0.012	0.3	0.052	1.32	0.018	0.46	47
H1S160-2	1.6	5.25	0.163	4.1	0.013	0.33	0.058	1.47	0.020	0.51	57
H1S130-2	1.3	4.26	0.16	4.1	0.013	0.33	0.056	1.42	0.022	0.56	57
H1S100-2	1	3.28	0.16	4.1	0.013	0.33	0.054	1.37	0.026	0.66	57
H1S850-3	0.85	2.79	0.17	4.3	0.014	0.36	0.057	1.45	0.028	0.71	63
H1S700-3	0.7	2.30	0.16	4.1	0.013	0.33	0.051	1.3	0.031	0.79	57
H1S500-3	0.5	1.64	0.18	4.6	0.015	0.38	0.057	1.45	0.037	0.94	72
H1S280-3	0.28	0.919	0.183	4.6	0.016	0.41	0.062	1.57	0.025	0.64	72
H1S200-3	0.2	0.656	0.18	4.6	0.015	0.38	0.056	1.42	0.038	0.97	72
H1S150-3	0.15	0.492	0.18	4.6	0.015	0.38	0.052	1.32	0.044	1.12	72
H1S118-3	0.118	0.387	0.183	4.6	0.016	0.41	0.064	1.63	0.023	0.58	72
H1S732-4	0.0732	0.240	0.184	4.7	0.016	0.41	0.061	1.55	0.029	0.74	75
H1S581-4	0.0581	0.191	0.184	4.7	0.016	0.41	0.059	1.5	0.032	0.81	75
H1S467-4	0.0467	0.153	0.183	4.6	0.016	0.41	0.062	1.57	0.025	0.64	72
H1S366-4	0.0366	0.120	0.184	4.7	0.016	0.41	0.061	1.55	0.029	0.74	75
H1S290-4	0.029	0.0951	0.184	4.7	0.016	0.41	0.059	1.5	0.032	0.81	75
H1S231-4	0.0231	0.0758	0.184	4.7	0.016	0.41	0.057	1.45	0.036	0.91	75
H1S183-4	0.0183	0.0600	0.184	4.7	0.016	0.41	0.055	1.4	0.040	1.02	75
H1S145-4	0.0145	0.0476	0.184	4.7	0.016	0.41	0.053	1.35	0.045	1.14	75
H1S113-4	0.0113	0.0371	0.186	4.7	0.017	0.43	0.051	1.3	0.052	1.32	75
H1S651-5	0.00651	0.0214	0.187	4.7	0.018	0.46	0.055	1.4	0.041	1.04	75
H1S409-5	0.00409	0.0134	0.191	4.9	0.019	0.48	0.055	1.4	0.044	1.12	82
H1S258-5	0.00258	0.00846	0.215	5.5	0.021	0.53	0.055	1.4	0.064	1.63	104
H1S162-5	0.00162	0.00531	0.273	6.9	0.027	0.69	0.069	1.75	0.081	2.06	163
H1S102-5	0.00102	0.00335	0.253	6.4	0.025	0.64	0.052	1.32	0.102	2.59	123
H1S640-6	0.00064	0.0021	0.319	8.1	0.032	0.81	0.064	1.63	0.128	3.25	225

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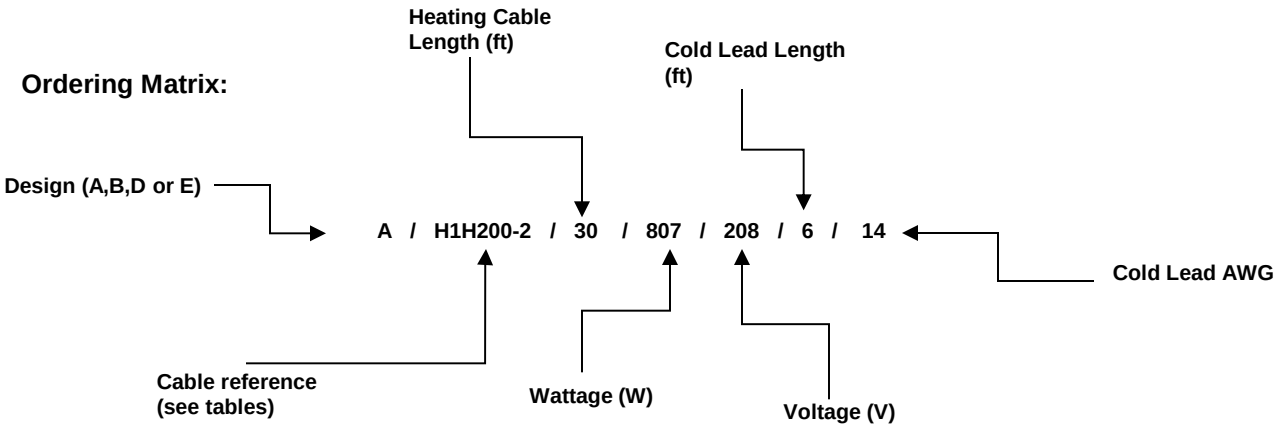
PART #	Nominal Cable		Nominal Cable Diameter		Sheath Thickness		Insulation Thickness		Conductor Diameter		Approx Wt.
	OHMS/Ft	OHMS/M	in.	mm	in.	mm	in.	mm	in	mm	kg/km
600 Volt Two Conductor											
H2S110-1	11	36.1	0.215	5.5	0.018	0.46	0.052	1.32	0.012	0.3	105
H2S900-2	9	29.5	0.215	5.5	0.018	0.46	0.051	1.3	0.013	0.33	105
H2S600-2	6	19.7	0.215	5.5	0.018	0.46	0.05	1.27	0.016	0.41	105
H2S414-2	4.14	13.6	0.211	5.4	0.02	0.51	0.051	1.3	0.018	0.46	101
H2S200-2	2	6.56	0.245	6.2	0.02	0.51	0.05	1.27	0.027	0.69	133
H2S115-2	1.15	3.77	0.211	5.4	0.02	0.51	0.051	1.3	0.018	0.46	101
H2S700-3	0.7	2.3	0.265	6.7	0.022	0.56	0.055	1.4	0.029	0.74	160
H2S505-3	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
H2S200-3	0.2	0.656	0.245	6.2	0.02	0.51	0.052	1.32	0.025	0.64	133
H2S150-3	0.15	0.492	0.245	6.2	0.02	0.51	0.05	1.27	0.028	0.71	133
H2S100-3	0.1	0.328	0.265	6.7	0.022	0.56	0.051	1.3	0.035	0.89	160
H2S775-4	0.0775	0.254	0.234	5.9	0.023	0.58	0.051	1.3	0.028	0.71	124
H2S561-4	0.0561	0.184	0.245	6.2	0.024	0.61	0.051	1.3	0.033	0.84	133
H2S402-4	0.0402	0.132	0.258	6.6	0.025	0.64	0.051	1.3	0.039	0.99	155
H2S281-4	0.0281	0.0922	0.275	7	0.027	0.69	0.051	1.3	0.046	1.17	174
H2S200-4	0.02	0.0656	0.285	7.2	0.028	0.71	0.055	1.4	0.033	0.84	184
H2S130-4	0.013	0.0427	0.304	7.7	0.029	0.74	0.055	1.4	0.04	1.02	211
H2S818-5	0.00818	0.0268	0.311	7.9	0.032	0.81	0.055	1.4	0.051	1.3	222
H2S516-5	0.00516	0.0169	0.364	9.2	0.035	0.89	0.055	1.4	0.064	1.63	333
H2S324-5	0.00324	0.0106	0.402	10.2	0.033	0.84	0.059	1.5	0.081	2.06	409
H2S204-5	0.00204	0.00669	0.496	12.6	0.041	1.04	0.072	1.83	0.102	2.59	625
H2S128-5	0.00128	0.0042	0.543	13.8	0.04	1.02	0.069	1.75	0.128	3.25	749

Ordering Matrix:



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