

Mineral Insulated Heating cable for Process and Freeze Protection

MSCP's Mineral Insulated (MI) heating cables are designed for freeze protection and process temperature maintenance with high-temperature maintain and withstand qualities up to 550°C, and are suitable for a wide range of industrial applications. The rugged MI cable construction is composed of a metal conductor inside a magnesium oxide insulation surrounded by a metal sheath, suitable for use in corrosive environments, including organic chemicals and corrosives commonly found in the oil, gas, and petrochemical industry. MI cables are approved for use in ordinary and in hazardous locations.

Advantages:

- High temperature withstand up to 550°C
- Multiple nominal outputs
- Factory assembled and ready to install
- Weather Resistant
- Approved for use in hazardous locations

Applications:

- Freeze protection
- Process temperature maintenance
- Pipes, vessel and tanks
- Heat tracing of instrumentation
- Chemical and petrochemical industries
- Oil and gas industries



Mineral Insulated Heating Cable



Technical Information

Type **MI**

Two conductor 300Vac

825 Sheath MI Heating Cable - Two Conductor 300Vac Heater Set Type D or E

MSCP PART NUMBER	RESISTANCE
3V2C0D164	0.164 ohms/m (0.05 ohms/ft)
3V2C0D229	0.230 ohms/m (0.07 ohms/ft)
3V2C0D328	0.328 ohms/m (0.1 ohms/ft)
3V2C0D492	0.492 ohms/m (0.15 ohms/ft)
3V2C0D656	0.656 ohms/m (0.2 ohms/ft)
3V2C0D820	0.820 ohms/m (0.25 ohms/ft)
3V2C0D984	0.984 ohms/m (0.3 ohms/ft)
3V2C1D164	1.64 ohms/m (0.5 ohms/ft)
3V2C1D229	2.30 ohms/m (0.7 ohms/ft)
3V2C1D328	3.28 ohms/m (1 ohms/ft)
3V2C1D459	4.59 ohms/m (1.4 ohms/ft)
3V2C1D558	5.58 ohms/m (1.7 ohms/ft)
3V2C1D656	6.56 ohms/m (2 ohms/ft)
3V2C1D820	8.20 ohms/m (2.5 ohms/ft)
3V2C1D886	8.86 ohms/m (2.7 ohms/ft)
3V2C2D105	10.5 ohms/m (3.2 ohms/ft)
3V2C2D131	13.1 ohms/m (4 ohms/ft)
3V2C2D164	16.4 ohms/m (5 ohms/ft)
3V2C2D197	19.7 ohms/m (6 ohms/ft)
3V2C2D246	24.6 ohms/m (7.5 ohms/ft)
3V2C2D295	29.5 ohms/m (9 ohms/ft)
3V2C2D361	36.1 ohms/m (11 ohms/ft)

Two conductor 600Vac

825 Sheath MI Heating Cable - Two Conductor 600Vac Heater Set Type D or E

MSCP PART NUMBER	RESISTANCE
6V2C0D043	0.043 ohms/m (0.013 ohms/ft)
6V2C0D066	0.066 ohms/m (0.02 ohms/ft)
6V2C0D098	0.098 ohms/m (0.03 ohms/ft)
6V2C0D131	0.131 ohms/m (0.04 ohms/ft)
6V2C0D164	0.164 ohms/m (0.05 ohms/ft)
6V2C0D229	0.230 ohms/m (0.07 ohms/ft)
6V2C0D328	0.328 ohms/m (0.1 ohms/ft)
6V2C0D492	0.492 ohms/m (0.15 ohms/ft)
6V2C0D656	0.656 ohms/m (0.2 ohms/ft)
6V2C0D984	0.984 ohms/m (0.3 ohms/ft)
6V2C1D164	1.64 ohms/m (0.5 ohms/ft)
6V2C1D229	2.30 ohms/m (0.7 ohms/ft)
6V2C1D328	3.28 ohms/m (1 ohms/ft)
6V2C1D656	6.56 ohms/m (2 ohms/ft)
6V2C2D131	13.1 ohms/m (4 ohms/ft)
6V2C2D197	19.7 ohms/m (6 ohms/ft)
6V2C2D295	29.5 ohms/m (9 ohms/ft)
6V2C2D361	36.1 ohms/m (11 ohms/ft)





6V 2C 1D 328



MI CABLE REFERENCE

600 Volt 2-Conductor 3.28 ohms/m

Mineral Insulated Heating Cable

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Technical Information

One conductor 600Vac

825 Sheath MI Heating Cable—One Conductor 600Vac Heater Set Type B

MSCP PART NUMBER	RESISTANCE
6V1C0D066	0.066 ohms/m (0.02 ohms/ft)
6V1C0D098	0.098 ohms/m (0.03 ohms/ft)
6V1C0D131	0.131 ohms/m (0.04 ohms/ft)
6V1C0D197	0.197 ohms/m (0.06 ohms/ft)
6V1C0D229	0.230 ohms/m (0.07 ohms/ft)
6V1C0D262	0.262 ohms/m (0.08 ohms/ft)
6V1C0D328	0.328 ohms/m (0.1 ohms/ft)
6V1C0D492	0.492 ohms/m (0.15 ohms/ft)
6V1C0D558	0.558 ohms/m (0.17 ohms/ft)
6V1C0D656	0.656 ohms/m (0.2 ohms/ft)
6V1C0D820	0.820 ohms/m (0.25 ohms/ft)
6V1C0D984	0.984 ohms/m (0.3 ohms/ft)
6V1C1D125	1.25 ohms/m (0.38 ohms/ft)
6V1C1D164	1.64 ohms/m (0.5 ohms/ft)
6V1C1D229	2.30 ohms/m (0.7 ohms/ft)
6V1C1D279	2.79 ohms/m (0.85 ohms/ft)
6V1C1D328	3.28 ohms/m (1 ohms/ft)
6V1C1D427	4.27 ohms/m (1.3 ohms/ft)
6V1C1D525	5.25 ohms/m (1.6 ohms/ft)
6V1C1D656	6.56 ohms/m (2 ohms/ft)

Type **MI**

Cold leads

825 Sheath Cold Lead Cable - Two Conductor 300Vac

MSCP PART NUMBER	CONDUCTOR SIZE	MAXIMUM CURRENT
3V2C15A	14 AWG	15A
3V2C20A	12 AWG	20A

825 Sheath Cold Lead Cable - Two Conductor 600Vac

MSCP PART NUMBER	CONDUCTOR SIZE	MAXIMUM CURRENT
6V2C15A	14 AWG	15A
6V2C20A	12 AWG	20A
6V2C30A	10 AWG	30A

825 Sheath Cold Lead Cable - One Conductor 600Vac

MSCP PART NUMBER	CONDUCTOR SIZE	MAXIMUM CURRENT
6V1C20A	14 AWG	20A
6V1C25A	12 AWG	25A
6V1C40A	10 AWG	40A
6V1C70A	8 AWG	70A

