

ATCOM CATALOG – MINERAL INSULATED CABLES

Description

ATCOM mineral insulated heating cables are available for use up to 600V and are tested and approved for both hazardous and non-hazardous areas. The cables are factory assembled and tested, ensuring the highest quality product. Since the units consist of a series resistance, virtually any wattage/voltage/length configuration can be produced within the cable's physical operating limits.

The cables are constructed from a single or dual resistive conductor embedded in a mineral insulating powder and covered by an Alloy 825 metallic sheath. The conductor is typically copper, copper nickel alloys, or nichrome alloys.

The powder insulant is Magnesium Oxide (MgO), an inert powder that provides excellent insulation characteristics at high temperatures – unaffected by temperatures over 2,550 deg F.



Technical Specs

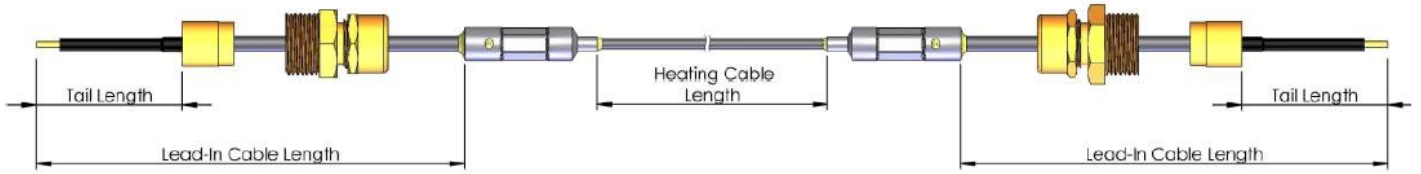
Rated Voltage	300 & 600 VAC
Max Maintenance Temperature	1022 F
Max. Continuous Exposure Temperature	1238 F
Power Off Exposure Temperature	1100 F
Minimum Bend Radius	6 x diameter
Maximum Watts/ft Loading	1-Core, 600V = 65 W/ft
	2-Core, 300V = 61 W/ft
	2-Core, 600V = 83 W/ft



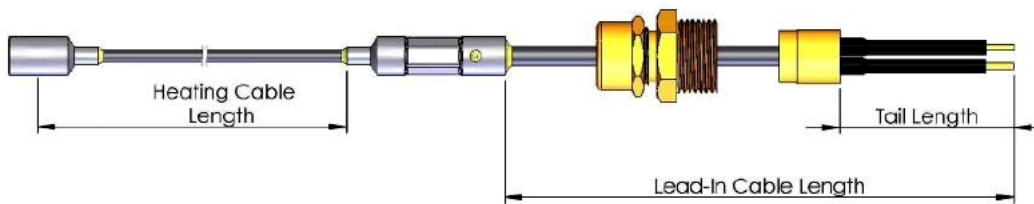
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Design Types

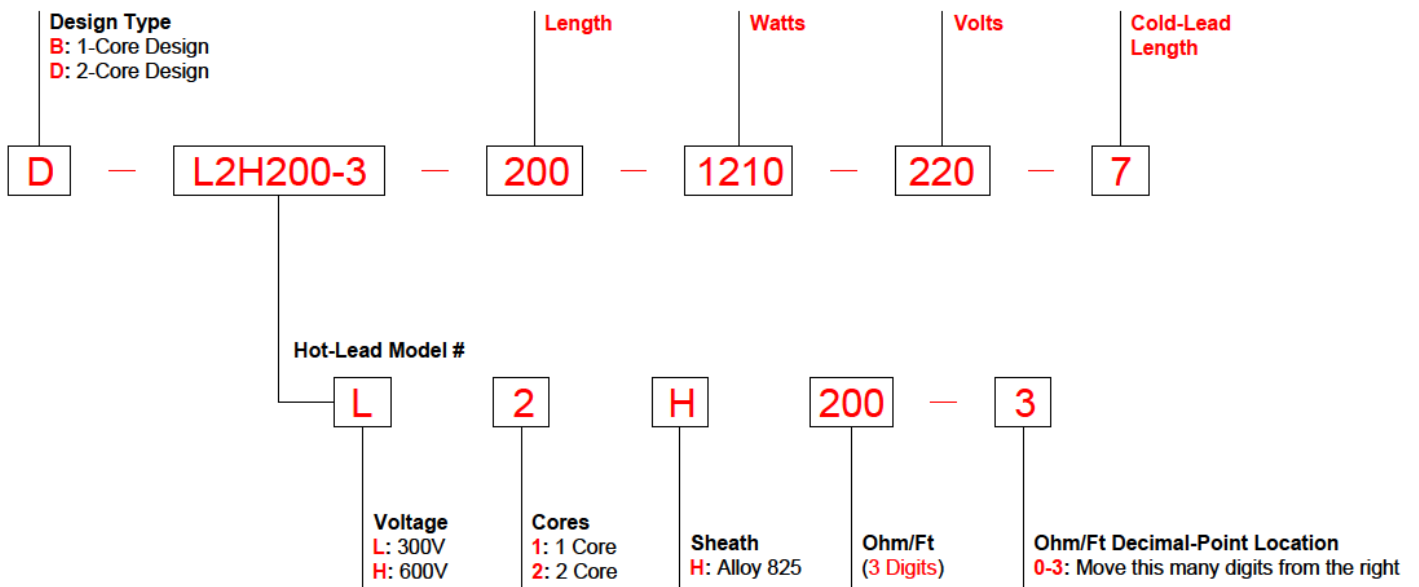
Design B (shown below) is a single-core type with two cold-leads, one for each end.



Design D (shown below) is a dual-core type with one cold-lead on the end, and an end-cap on the other.



Model Number Format



The model shown above is: Design D, Rated 300V, 2-Core, Alloy 825, 0.2 Ohm/ft, 200', 1210W, 220V, 7' Cold-lead.