

# Mineral Insulated Engine Test Cable

## Product Datasheet

As an approved manufacturer and supplier of Aero Engine Test Cables, our range of wires and cables are designed specifically for the; advanced research, development and thorough testing of aerospace engines and experimental testing rigs.



Our Mineral Insulated Engine Test Cable is manufactured from the highest quality material, specially selected and thoroughly tested, to ensure it meets the strict technical requirements for Aerospace Engine Test cables.

Available in; thermocouple grades type K or type N and also as signal cable (Nickel clad Copper). The cable is designed specifically for the high temperature environments encountered during engine test cycles, thanks to added protection from the semi-rigid, yet robust outer metal sheath.

The sheath is available in a range of alloys specifically manufactured to protect the inner conductors from the harsh environment.

Any of the cable requiring precision thermal calibration, are put through their paces in our fully automated, UKAS accredited thermal calibration laboratory (No. 0600) (ISO 17025) and calibrated to your exact specification requirements.

The laboratory operates in the temperature range of  $-200\text{ }^{\circ}\text{C}$  up to and including  $1600\text{ }^{\circ}\text{C}$ . It proudly holds some of the tightest uncertainties of measurement for thermal calibrations held by a commercial calibration laboratory.

With certain combinations of diameter, conductor type and sheath material available ex stock, turnaround time to meet your demand can be as little as just 48 hours.

**Get in touch now for all your Mineral Insulated Engine Test Cable needs!**



Marmon Electrical  
A Berkshire Hathaway Company



• Temperature Sensors • Wire & Cable • Calibration • Servicing

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<b>Cable Options Available:</b>	
<b>Type</b>	Type K   Type N   Signal Cable (Nickel clad Copper)
<b>Temperature Range</b>	Min -75 °C   Max +1250 °C
<b>Coil Length</b>	Min 100 Metres   Max 800 Metres
<b>Coil Diameter</b>	Min 450mm   Max 600mm
<b>Conductor Number</b>	2   3   4
<b>Conductor Diameter</b>	Min 0.1mm   Max 0.6mm
<b>Conductor Material</b>	Nickel Chromium (NiCr)   Nickel Aluminium (NiAl)   Nickel Chromium Silicon (NiCrSil)   Nickel Silicon (NiSil)   Nickel clad Copper
<b>Insulation Material</b>	Magnesium Oxide (MgO)
<b>Sheath Material</b>	Stainless Steel   AISI 321 Alloy   Alloy 600   Nickel Chromium Silicon
<b>Specifications</b>	CSS261   ATS3223   BS-EN60584-1 (2013)



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