

Thermocouple 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 coils of Flexible Thermocouple Grade Engine Test Cable are manufactured from the highest quality materials, specially selected and thoroughly tested, to ensure that they meet the incredibly strict technical requirements for Aerospace & Defence Engine Test cables.

Conductors are manufactured from the highest quality Nickel alloys and are available in a range of configurations to suit your precise sensing requirements. This includes but is not limited to; multi stranded, multi paired, twisted pairs and solid conductors.

A wide range of robust outer cable insulation, conductor insulation and jacket materials are available to protect the conductors from the demanding environments encountered during the aerospace engine test cycles.

Any of the thermocouple 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 CCPI Europe Calibration laboratory operates in the temperature range of -200°C up to and including 1600°C . It proudly holds some of the tightest uncertainties of measurement for thermal calibrations held by a commercial calibration laboratory.

Get in touch now for all your Thermocouple Engine Test Cable needs!



Marmon Electrical
A Berkshire Hathaway Company



• Temperature Sensors • Wire & Cable • Calibration • Servicing

+44 (0)1909 775 333

sales@ccpi-europe.com

www.ccpi-europe.com



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Cable Options Available;	
Type	Type K Type N
Temperature Range	Min -75 °C Max +450°C
Coil Length	Subject to customer requirements
Conductor Diameter	0.93mm 0.97mm 1.38mm 1.71mm
Number of Cores	2
Conductor Strands	1 7 19
Conductor Strand Diameter	Min 0.12mm Max 0.60mm
Conductor Materials	Nickel Chromium (NiCr) Nickel Aluminium (NiAl) Nickel Chromium Silicon (NiCrSi) Nickel Silicon (NiSi)
Conductor Insulation	Polyimide Tape Kapton® PTFE PTFE with glass braid Wrapped Glass Yarn Silicon Varnish
Conductor Options	Twisted Flat Twin
Sheath Material	Polyimide Tape PTFE Kapton®
Specifications	CSS261 ATS3223 BS-EN60584-1 (2013)
Colours	Brown Red Orange Yellow Green Light Blue Blue Dark Blue Violet Grey White Black Pink

Cable, Thermocouple, Flexible, Twisted Pair, Kapton ® Insulated - 7/0,20mm - Type K - Class 1	CCPCA027
Cable, Thermocouple, Flexible, Flat Twin, Kapton ® Insulated - 1/0,25mm - Type N - Class 1 BWC	CCPCA015
Cable, Thermocouple, Flexible, Twisted Pair, Screened Kapton ® / PTFE Insulated - 19/0,12mm - Type K - Class 1	CCPCA029
Cable, Thermocouple, Flexible, Twisted Pair, Kapton ® Insulated - 7/0,20mm - Type N - Class 1 - BWC	CCPCA028
Cable, Thermocouple, Flexible, Flat Twin, Kapton ® Insulated - 1/0,25mm - Type K - Class 1	CCPCA024
Cable, Thermocouple, Flexible, Twisted Pair, Screened Kapton ® / PTFE Insulated - 19/0,20mm - Type K - Class 1	CCPCA139
Cable, Thermocouple, Flexible, Flat Twin, Kapton ® Insulated - 1/0,25mm - Type K - Class 1	CCPCA026



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