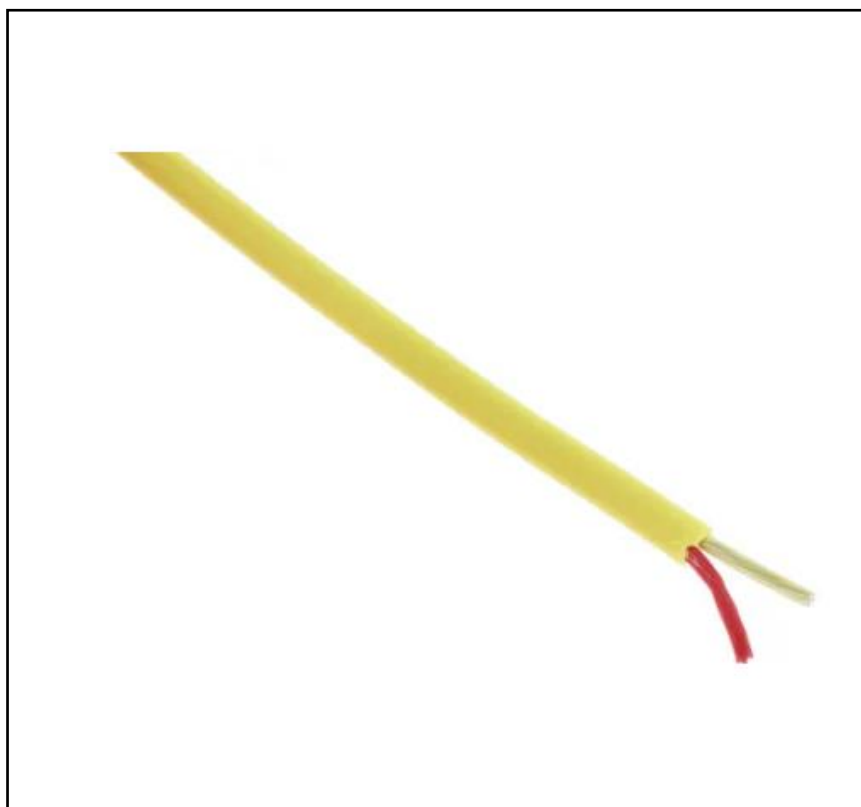


## FEATURES

- PFA Teflon® insulated flat pair
- • Single pair of PFA insulated conductors, laid flat with PFA jacket
- Good mechanical strength and flexibility
- Tolerance Class 1 for optimum accuracy

## Thermocouple & Extension Wire Type K, -75 → +260 °C 2 Core PFA Teflon Sheath 100m

RS Stock No.: 814-0121



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

### Product Description

From the trusted brand RS PRO, comes a range of high quality and great value thermocouple extension cables. Manufactured to industry standards, these extension wires are an excellent solution for extending the distance between a temperature probe and the instrument that providing the reading.

### General Specifications

<b>Thermocouple Type</b>	K
<b>Number of Cores</b>	2
<b>Insulation Material</b>	PFA Teflon
<b>Cable Shape</b>	Flat pair
<b>Number of Strands</b>	7
<b>Standards Met</b>	ANSI MC96.1
<b>Screened/Unscreened</b>	Unscreened
<b>Applications</b>	Medical - research into DNA and hypodermic insertion to detecting a tumour; Vehicle diagnostics - used to monitor and adjust factors such as battery health, exhaust readings, spark plug function and brake performance; Temperature readings in boilers, heating sensors, and ovens; Food thermometers, industrial probes, and sensors

### Electrical Specifications

<b>Power Consumption Max</b>	170VA dropping to 20VA during charging
<b>Loop Resistance</b>	Type K at 4.5 Ohms/metre

## Thermocouple & Extension Wire

### Mechanical Specifications

Length	100m
Core Strands	7/0.2mm
Size Of Strands	0.2mm
Energy Output	0-60 Joules
Welding Capacity Wires	Up to 1.1mm Diameter
Duty Cycle Minimum	5-10 welds/min
Physical Dimensions	220mm wide x 120mm high x 250mm depth
Weight	4kg
Section	0.219mm <sup>2</sup>

### Operation Environment Specifications

Minimum Operating Temperature	-75°C
Maximum Operating Temperature	260°C

### Approvals



Compliance/Certifications	RoHS Certificate Of Compliance
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## Thermocouple & Extension Wire

T/C Type	Conductors	mm <sup>2</sup>	Cores	Reel Length	Allied Code	RS order code
KX	7/0.2mm	0.219	+Yellow/-Red	25 metres	70656132	<b>814-0119</b>
KX	7/0.2mm	0.219	+Yellow/-Red	50 metres	70656457	<b>814-0128</b>
KX	7/0.2mm	0.219	+Yellow/-Red	100 metres	70656133	<b>814-0121</b>



## Thermocouple & Extension Wire

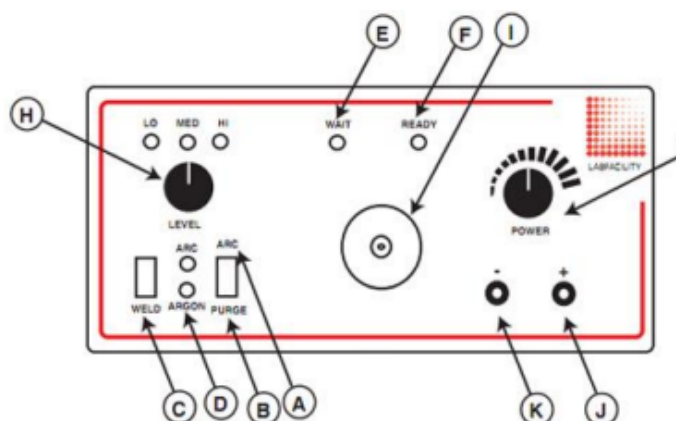
(Front View)



(Rear View)



### Thermocouple Welder Controls



A	Arc	Argon gas and weld current controlled by the "Weld" switch. LED indication
B	Purge	Allows the gas line and electrode shield to be purged of air prior to a new welding period
C	Weld Switch	Initiates a welding operation (in "arc" mode also opens the Argon valve)
D	Argon LED	Indicates when the Argon control valve is open and gas is flowing
E	Wait LED	Glow when weld charge is building
F	Ready LED	"Ready to Weld" indication
G	Power	Rotary control of the capacitor charge voltage
H	Level Selector	Selects the total capacitance available giving the following values with LED indication
		"LO" = 0 to 6 Joules
		"MED" = 0 to 28 Joules
		"HI" = 0 to 64 Joules
I	Electrode Holder	Holds the replaceable carbon electrode which is accessible by removing the outer Argon Shield
J	Red Socket	Output socket for using the pliers supplied
K	Black Socket	Output socket, this provides an additional earth

# Thermocouple & Extension Wire

