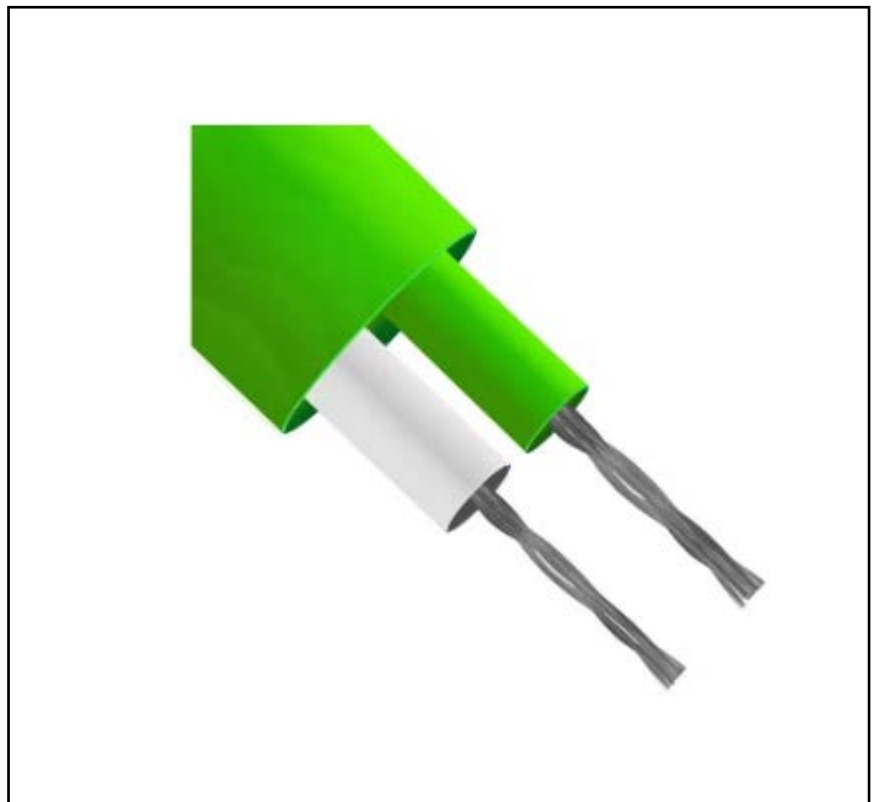


FEATURES

- 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.: 827-5726



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

Thermocouple Type	K
Number Of Cores	2
Screened/Unscreened	
Insulation Material	PFA Teflon
Cable Shape	Flat Pair
Number Of Strands	1
Fire Behaviour	
Standards Met	IEC 584-3
Applications	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

Current Rating	32; 182A
Voltage Rating	60V
Power Consumption Max	170VA dropping to 20VA during charging
Loop Resistance	Type K at 4.5 Ohms/metre; Type J at 2.7 Ohms/metre

Mechanical Specifications

Length	100m
Core Strands	1/0.3mm
Size Of Strands	0.3mm
American Wire Gauge	4/0; 7; 22AWG
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	0.072mm ²
Diameter	3mm
Insulation Thickness	0.015mm
Abrasion Resistance	Good
Moisture Resistance	Very Good

Operation Environment Specifications

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

Approvals

Compliance/Certifications	RoHS Certificate Of Compliance
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T/C Type	Conductors	mm ²	Cores	Jacket	Reel Length	Allied Code	RS order code
KX	1/0.3mm	0.072	+Green/-White	Green	5 metres		185-3019
KX	1/0.3mm	0.072	+Green/-White	Green	10 metres	70657118	827-5729
KX	1/0.3mm	0.072	+Green/-White	Green	25 metres	70646169	611-8012
KX	1/0.3mm	0.072	+Green/-White	Green	50 metres	70657116	827-5722
KX	1/0.3mm	0.072	+Green/-White	Green	100 metres	70657117	827-5726
KX	7/0.2mm	0.219	+Green/-White	Green	10 metres	70657115	827-5716
KX	7/0.2mm	0.219	+Green/-White	Green	25 metres	70646166	611-7980
KX	7/0.2mm	0.219	+Green/-White	Green	50 metres	70646168	611-8006
KX	7/0.2mm	0.219	+Green/-White	Green	100 metres	70657113	827-5710
EX	7/0.2mm	0.219	+Purple/-White	Purple	10 metres		136-5865
JX	7/0.2mm	0.219	+Black/-White	Black	10 metres	70657119	827-5732
JX	7/0.2mm	0.219	+Black/-White	Black	25 metres	70646171	611-8034
JX	7/0.2mm	0.219	+Black/-White	Black	50 metres		611-8056
JX	7/0.2mm	0.219	+Black/-White	Black	100 metres	70657122	827-5741
TX	7/0.2mm	0.219	+Brown/-White	Brown	10 metres	70657120	827-5735
TX	7/0.2mm	0.219	+Brown/-White	Brown	25 metres	70646173	611-8028
TX	7/0.2mm	0.219	+Brown/-White	Brown	50 metres	70646172	611-8040
TX	7/0.2mm	0.219	+Brown/-White	Brown	100 metres	70657121	827-5738
NX	7/0.2mm	0.219	+Pink/-White	Pink	10 metres	70657123	827-5744
NX	7/0.2mm	0.219	+Pink/-White	Pink	25 metres	70646174	611-8062
NX	7/0.2mm	0.219	+Pink/-White	Pink	50 metres	70657124	827-5748

RS067/0419

