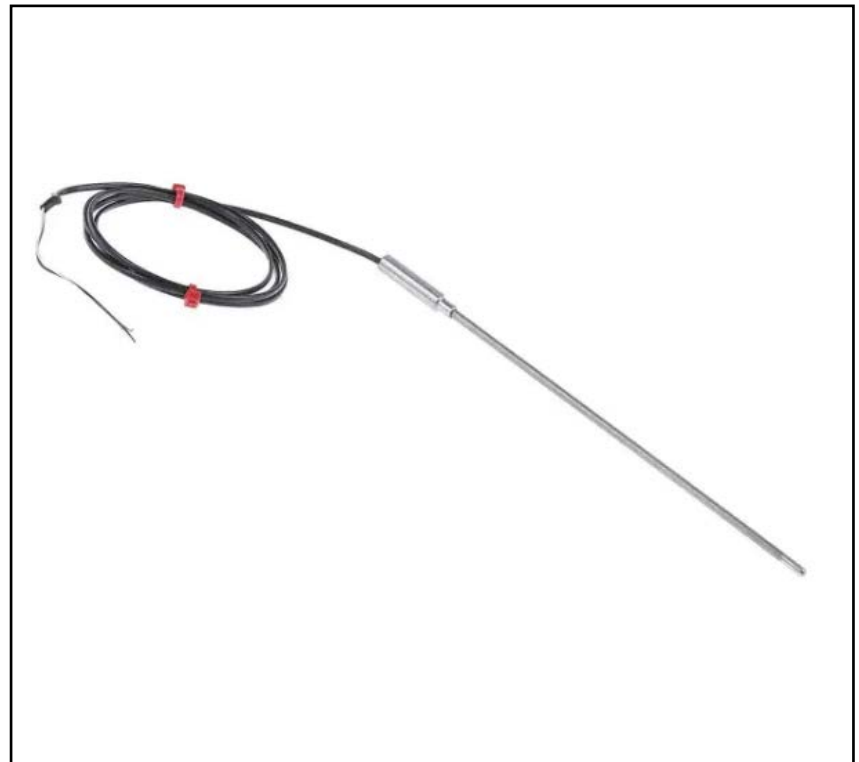


## FEATURES

- Durable 321 stainless steel sheath for protection against corrosion and oxidation
- IEC 584 class 1 accuracy for optimum performance
- Mineral insulation for flexibility, durability and high performance
- Insulated hot junction for reduction in electrical interference
- PFA insulated lead for resistance to oils, acid, fluids and
- Good mechanical strength and flexibility

## RS PRO Type J Thermocouple 150mm Length, 3mm Diameter → +760°C

RS Stock No.: 455-4292



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 RS Pro a range of type K thermocouple temperature sensors that conform to IEC 584 standards with a Class 1 tolerance for optimum accuracy. These temperature sensors have a durable construction and feature a stainless steel 310 probe sheath and a PFA insulated lead. The mineral insulated flexible probe sheath can be bent and formed to suit a wide range of applications. The thermocouple has a single element insulated hot junction for a reduction in electrical interference and a plain pot seal with a temperature rating of 200°C.

## General Specifications

<b>Thermocouple Type</b>	Type J
<b>Temperature Measurement Range</b>	-40°C to +1100°C
<b>Construction</b>	Flexible mineral insulated probe with stainless steel sheath, plain pot seal & 1 metre extension cable Flexible mineral insulated probe with stainless steel sheath, plain pot seal & 1 metre extension cable
<b>Measuring Junction</b>	Single element, junction insulated from sheath
<b>Standards Met</b>	IEC
<b>Application</b>	Heat processes such as the manufacturing of plastic and resin and in electrical furnaces

## Mechanical Specifications

<b>Probe Diameter</b>	3mm
<b>Probe Length</b>	150mm
<b>Termination Type</b>	Cable
<b>Compensating Cable Length</b>	1m

## Approvals

<b>Compliance/Certifications</b>	IEC 584
<b>Standards Met</b>	IEC



T/C Type	Conductors	Length	Termination	+Positive tail wire	-Negative tail wire code	Allied Code	RS order Code
'K'	1/0.2mm	1 metre	Mini plug	Green	White	70643600	<b>363-0250</b>
'K'	1/0.2mm	2 metre	Mini plug	Green	White		<b>110-4482</b>
'K'	1/0.2mm	5 metre	Mini plug	Green	White		<b>123-6306</b>
'K'	1/0.2mm	10 metre	Mini plug	Green	White		<b>123-6307</b>
'J'	1/0.2mm	1 metre	Mini plug	Black	White	70643599	<b>363-0244</b>
'J'	1/0.2mm	2 metre	Mini plug	Black	White		<b>123-6308</b>
'J'	1/0.2mm	5 metre	Mini plug	Black	White		<b>123-6309</b>
'J'	1/0.2mm	10 metre	Mini plug	Black	White		<b>123-6310</b>
'T'	1/0.2mm	1 metre	Mini plug	Brown	White	70643601	<b>363-0266</b>
'T'	1/0.2mm	2 metre	Mini plug	Brown	White		<b>123-6311</b>
'T'	1/0.2mm	5 metre	Mini plug	Brown	White		<b>123-6312</b>
'T'	1/0.2mm	10 metre	Mini plug	Brown	White		<b>123-6313</b>

T/C Type	Conductors	Cores	Reel Length	Allied code	RS order code
J	1/0.2mm	+Black/-White	25 metres	70657194	<b>827-5980</b>
J	1/0.2mm	+Black/-White	50 metres	70657195	<b>827-5984</b>
J	1/0.315mm	+Black/-White	25 metres	70657198	<b>827-5993</b>
J	1/0.315mm	+Black/-White	50 metres	70657199	<b>827-5996</b>
K	1/0.315mm	+Green/-White	25 metres	70657200	<b>827-6000</b>
K	1/0.315mm	+Green/-White	50 metres	70657205	<b>827-6019</b>
T	1/0.315mm	+Brown/-White	25 metres	70657208	<b>827-6028</b>
T	1/0.315mm	+Brown/-White	50 metres	70657206	<b>827-6022</b>
J	1/0.508mm	+Black/-White	25 metres	70657197	<b>827-5990</b>
J	1/0.508mm	+Black/-White	50 metres	70657201	<b>827-6003</b>
K	1/0.508mm	+Green/-White	25 metres	70657203	<b>827-6012</b>
K	1/0.508mm	+Green/-White	50 metres	70657204	<b>827-6016</b>
J	7/0.2mm	+Black/-White	25 metres	70657202	<b>827-6006</b>
K	7/0.2mm	+Green/-White	25 metres	70657207	<b>827-6025</b>
T	7/0.2mm	+Brown/-White	25 metres	70657209	<b>827-6031</b>
N	7/0.2mm	+Pink/-White	25 metres	70657210	<b>827-6034</b>

	Conductors	Cores	Jacket	Reel Length	Allied Code	RS order code
<b>Extension:</b>						
KX	7/0.2mm	+Green/-White	Green	10 metres	70657084	<b>827-5615</b>
KX	7/0.2mm	+Green/-White	Green	25 metres	70641729	<b>236-3820</b>
KX	7/0.2mm	+Green/-White	Green	50 metres	70657085	<b>827-5619</b>
KX	7/0.2mm	+Green/-White	Green	100 metres	70646156	<b>611-7889</b>
KX	7/0.2mm	+Green/-White	Green	200 metres	70657088	<b>827-5628</b>
JX	7/0.2mm	+Black/-White	Black	10 metres	70641640	<b>219-4753</b>
JX	7/0.2mm	+Black/-White	Black	25 metres	70657078	<b>827-5592</b>
JX	7/0.2mm	+Black/-White	Black	50 metres	70657079	<b>827-5596</b>
JX	7/0.2mm	+Black/-White	Black	100 metres	70641737	<b>236-3915</b>
JX	7/0.2mm	+Black/-White	Black	200 metres	70657081	<b>827-5606</b>
TX	7/0.2mm	+Brown/-White	Brown	10 metres	70641637	<b>219-4703</b>
TX	7/0.2mm	+Brown/-White	Brown	25 metres	70641734	<b>236-3870</b>
TX	7/0.2mm	+Brown/-White	Brown	50 metres	70657095	<b>827-5653</b>
TX	7/0.2mm	+Brown/-White	Brown	100 metres	70651749	<b>762-1146</b>
TX	7/0.2mm	+Brown/-White	Brown	200 metres	70657098	<b>827-5662</b>
NX	7/0.2mm	+Pink/-White	Pink	10 metres	70641635	<b>219-4668</b>
NX	7/0.2mm	+Pink/-White	Pink	25 metres	70657091	<b>827-5637</b>
NX	7/0.2mm	+Pink/-White	Pink	50 metres	70657089	<b>827-5631</b>
NX	7/0.2mm	+Pink/-White	Pink	100 metres	70657092	<b>827-5640</b>

	Conductors	Cores	Jacket	Reel Length	Allied Code	RS order code
<b>Compensating:</b>						
VX (KCB)	7/0.2mm	+Green/-White	Green	10 metres	70657082	827-5609
VX (KCB)	7/0.2mm	+Green/-White	Green	25 metres	70641629	219-4551
VX (KCB)	7/0.2mm	+Green/-White	Green	50 metres	70657080	827-5603
VX (KCB)	7/0.2mm	+Green/-White	Green	100 metres	70641630	219-4573
VX (KCB)	7/0.2mm	+Green/-White	Green	200 metres	70657083	827-5612
VX (KCB)	13/0.2mm	+Green/-White	Green	10 metres	70657086	827-5621
VX (KCB)	13/0.2mm	+Green/-White	Green	25 metres	70657087	827-5625
VX (KCB)	13/0.2mm	+Green/-White	Green	50 metres	70657090	827-5634
VX (KCB)	13/0.2mm	+Green/-White	Green	100 metres	70651750	762-1152
U (RCA)	7/0.2mm	+Orange/-White	Orange	10 metres	70657096	827-5656
U (RCA)	7/0.2mm	+Orange/-White	Orange	25 metres	70646158	611-7902
U (RCA)	7/0.2mm	+Orange/-White	Orange	50 metres	70657097	827-5659
U (RCA)	13/0.2mm	+Orange/-White	Orange	10 metres	70641641	219-4769
U (RCA)	13/0.2mm	+Orange/-White	Orange	25 metres	70657093	827-5643
U (RCA)	13/0.2mm	+Orange/-White	Orange	50 metres	70657094	827-5647

T/C Type	Conductors	Cores	Reel Length	Allied code	RS order code
KX	1/0.2mm	+Yellow/-Red	25 metres	70656106	814-0030
KX	1/0.2mm	+Yellow/-Red	50 metres	70656111	814-0049
KX	1/0.2mm	+Yellow/-Red	100 metres	70656109	814-0042
KX	7/0.2mm	+Yellow/-Red	25 metres	70656110	814-0046
KX	7/0.2mm	+Yellow/-Red	50 metres	70656113	814-0055
KX	7/0.2mm	+Yellow/-Red	100 metres	70656114	814-0058
KX	1/0.3mm	+Yellow/-Red	25 metres	70656104	814-0024
KX	1/0.3mm	+Yellow/-Red	50 metres	70656107	814-0033
KX	1/0.3mm	+Yellow/-Red	100 metres	70656108	814-0036
TX	1/0.3mm	+Blue/-Red	25 metres	70656121	814-0080
TX	1/0.3mm	+Blue/-Red	50 metres	70656126	814-0099
TX	1/0.3mm	+Blue/-Red	100 metres	70656124	814-0092
TX	1/0.2mm	+Blue/-Red	25 metres	70656125	814-0096
TX	1/0.2mm	+Blue/-Red	50 metres	70656128	814-0106
TX	1/0.2mm	+Blue/-Red	100 metres	70656129	814-0109

T/C Type	Conductors	Cores	Jacket	Reel Length	Allied code	RS order code
<b>Extension:</b>						
KX	7/0.2mm	+Yellow/-Red	Yellow	25 m	70656102	<b>814-0018</b>
KX	7/0.2mm	+Yellow/-Red	Yellow	100 m	70656105	<b>814-0027</b>
KX	7/0.2mm	+Yellow/-Red	Yellow	200 m	70656103	<b>814-0020</b>
JX	7/0.2mm	+ White/-Red	Black	25 m	70656096	<b>813-9995</b>
JX	7/0.2mm	+ White/-Red	Black	100 m	70656098	<b>814-0005</b>
JX	7/0.2mm	+ White/-Red	Black	200 m	70656099	<b>814-0008</b>
TX	7/0.2mm	+Blue/-Red	Blue	25 m	70656119	<b>814-0074</b>
TX	7/0.2mm	+Blue/-Red	Blue	100 m	70656122	<b>814-0083</b>
TX	7/0.2mm	+Blue/-Red	Blue	200 m	70656123	<b>814-0086</b>
<b>Compensating:</b>						
VX (KCB)	7/0.2mm	+Yellow/-Red	Yellow	25 m	70656127	<b>814-0103</b>
VX (KCB)	7/0.2mm	+Yellow/-Red	Yellow	100 m	70656130	<b>814-0112</b>
VX (KCB)	7/0.2mm	+Yellow/-Red	Yellow	200 m	70656131	<b>814-0115</b>