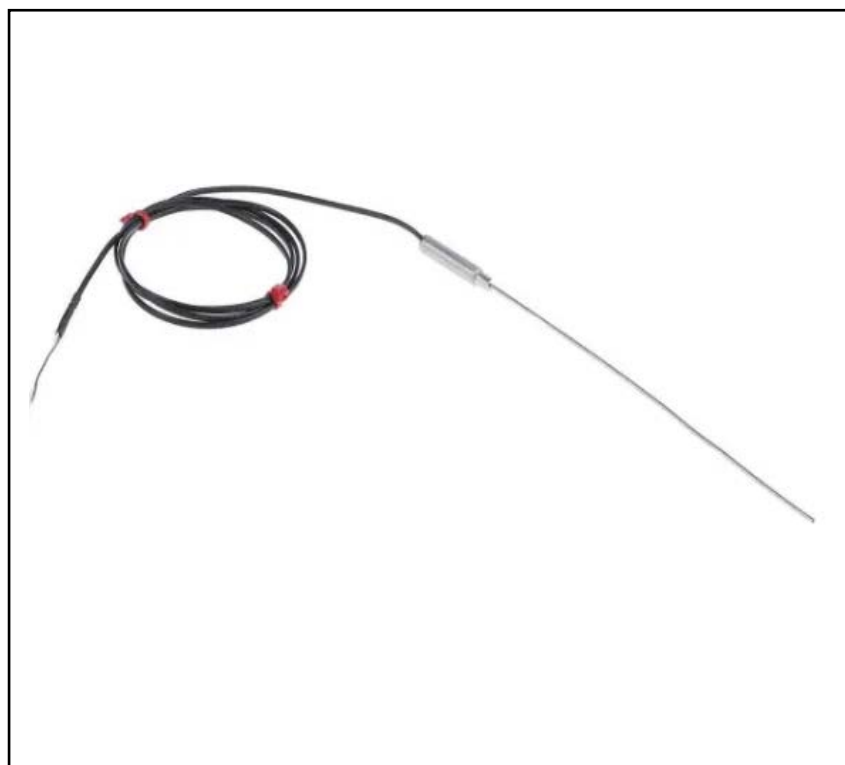


## FEATURES

- Durable 321 stainless steel sheath for protection
- Mineral insulation for, durability and high performance
- Insulated hot junction for reduction in electrical interference
- PFA insulated lead for resistance

## RS PRO Type J Thermocouple 150mm Length, 1.5mm Diameter → +760°C

RS Stock No.: 455-4270



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 750°C
<b>Construction</b>	Flexible mineral insulated probe with stainless steel sheath, plain pot seal & 1 metre extension cable
<b>Measuring Junction</b>	Insulated hot junction
<b>Standards Met</b>	IEC
<b>Application</b>	General purpose, heat processes such as the manufacturing of plastic and resin and in electrical furnaces

## Mechanical Specifications

<b>Probe Diameter</b>	105mm
<b>Probe Length</b>	150mm
<b>Probe Body Material</b>	stainless steel sheath
<b>Insulation / Sheath Material</b>	PFA Teflon insulated flat pair
<b>Termination Type</b>	1 metre 7/0.2mm PFA Teflon insulated flat pair cable, colour coded in accordance with IEC 584
<b>Compensating Cable Length</b>	1m
<b>Cable Insulation</b>	PFA

## Approvals

<b>Compliance/Certifications</b>	IEC584
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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>

	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>

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>

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>

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

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