



## Thermocouple Extension Grade Wire Single Pair - Heat Resistant PVC Insulated



**A range of Heat Resistant PVC insulated single pair Thermocouple Extension Grade Wire available from stock for immediate delivery**

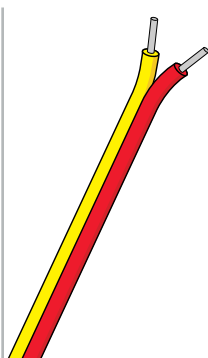
We also have a similar range of Flame Retardant PVC wire - please ask us for details

**TC for Temperature Sensing, Measurement and Control**

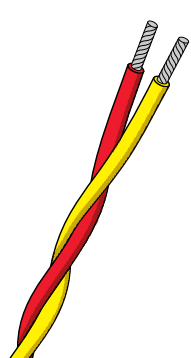
# HR PVC Thermocouple Extension Grade Wire

Heat Resistant PVC Insulated 'Ripcord' / PVC Twisted Pair -22°F to +220°F

- Incorporates Heat Resistant (HR) PVC suitable for use in the temperature range -22°F to +220°F
- Twisted pair construction is ideal for making simple thermocouples and it rejects electromagnetic interference
- 'Ripcord' construction allows for easy separation of conductors



**HR PVC 'Ripcord'**  
One pair of **solid** conductors HR PVC insulated. Parallel construction and fused together in a ripcord construction.



**HR PVC Twisted Pair**  
One pair of **stranded** conductors. Cores HR PVC insulated. Pair twisted.

Stock Number		A10	A80
CONDUCTORS	Wire Type (number of strands x AWG)	Solid	13x32
	Total Wire Size - AWG (S = Stranded)	24	21S
	Total Area (mm <sup>2</sup> )	0.2	0.44
	Insulation	Heat Resistant PVC	Heat Resistant PVC
PAIRS	Number of Pairs	1	1
	Conductor Configuration	Parallel	Twisted
	Shielded	No	Yes
OVERALL	Insulation	Heat Resistant PVC	Heat Resistant PVC
	Insulation Rating (°F)	Continuous	-22 to +220
		Short Term	—
	Color Coding	Yes	Yes
	Physical Properties	Abrasion Resistance	Good
		Moisture Resistance	Very Good
		Typical Weight (lbs/1000ft) (excluding reel)	7
	Diameter under Armor (inches)	—	—
	Diameter over Armor (inches)	—	—
	Overall Diameter† (inches)	0.08" x 0.12"	0.16"
Notes		Parallel construction bell wire style.	Rejects electromagnetic interference.

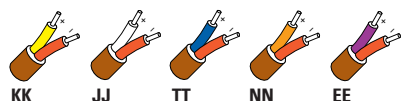
† These values are nominal and if critical to your application, please request a physical check.

The wire constructions can also be manufactured to any other color coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding wire lengths please let us know so that we may make a satisfactory offer to meet your needs.

Color Codes available Extension Grade to ANSI MC96.1



ALSO AVAILABLE as Thermocouple Grade to ANSI MC96.1



Order Code - Example

Stock No.	Thermocouple Type	Color Code
A10	- KX	- ANSI

Thermocouple wire is available in the following types: KX, JX, TX, NX, EX, SX or RX. Other less popular thermocouple types are available on request.

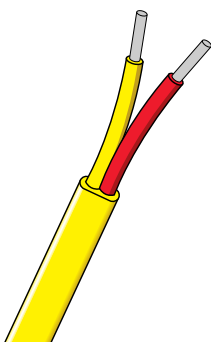
Thermocouple wire is normally available from us for **immediate** delivery from stock to ANSI MC96.1 colour coding.

IEC colors are available on request

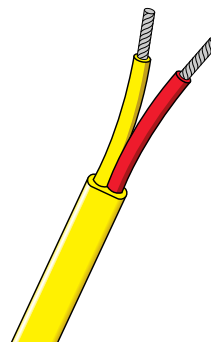
# HR PVC Thermocouple Extension Grade Wire

## Heat Resistant PVC Insulated Parallel Twin Wire -22°F to +220°F

- Incorporates Heat Resistant (HR) PVC suitable for use in the temperature range -22°F to +220°F
- Parallel Twin construction with either solid or stranded conductors in a range of sizes. Ideal for general purpose applications
- Multipair wire is also available, please contact us for details



**HR PVC Parallel Twin**  
One pair of **solid** conductors HR PVC insulated.  
Parallel construction and HR PVC insulation overall.



**HR PVC Parallel Twin**  
One pair of **stranded** conductors HR PVC insulated.  
Parallel construction with HR PVC insulation overall.

Stock Number		A13	A14	A15	A30	A40	A50	A60	A65	A70
CONDUCTORS	Wire Type (number of strands x AWG)	Solid	Solid	Solid	7x32	13x32	23x32	32x32	40x32	3x19
	Total Wire Size - AWG (S = Stranded)	24	20	16	24S	21S	19S	17S	16S	14S
	Total Area (mm <sup>2</sup> )	0.2	0.5	1.3	0.22	0.44	0.75	1.0	1.3	1.95
	Total Area (mm <sup>2</sup> )	0.2	0.5	1.3	0.22	0.44	0.75	1.0	1.3	1.95
	Insulation	Heat Resistant PVC			Heat Resistant PVC					
PAIRS	Number of Pairs	1			1					
	Conductor Configuration	Parallel			Parallel					
	Shielded	No			No					
OVERALL	Insulation	Heat Resistant PVC			Heat Resistant PVC					
	Insulation Rating (°F)	Continuous			-22 to +220					
		Short Term			—					
	Color Coding	Yes			Yes					
	Physical Properties	Abrasion Resistance			Good					
		Moisture Resistance			Very Good					
		Typical Weight (lbs/1000ft) (excluding reel)			21	28	34	41	48	
	Diameter under Armor (inches)	—			—					
	Diameter over Armor (inches)	—			—					
Overall Diameter† (inches)		0.12" x 0.20"	0.12" x 0.20"	0.16" x 0.24"	0.12" x 0.16"	0.12" x 0.2"	0.16" x 0.24"	0.16" x 0.24"	0.20" x 0.28"	0.20" x 0.31"
Notes		Oval cross section. Good general purpose construction.			Oval cross section. Good general purpose flexible construction. A60, A65 and A70 are more robust.					

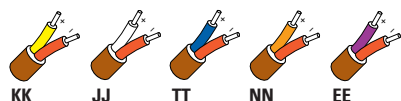
† These values are nominal and if critical to your application, please request a physical check.

The wire constructions can also be manufactured to any other color coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding wire lengths please let us know so that we may make a satisfactory offer to meet your needs.

### Color Codes available Extension Grade to ANSI MC96.1



### ALSO AVAILABLE as Thermocouple Grade to ANSI MC96.1



### Order Code - Example

Stock No.	Thermocouple Type	Color Code
A30	- KX	- ANSI

Thermocouple wire is available in the following types: KX, JX, TX, NX, EX, SX or RX. Other less popular thermocouple types are available on request.

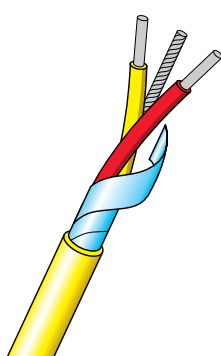
Thermocouple wire is normally available from us for **immediate** delivery from stock to ANSI MC96.1 colour coding.

IEC colors are available on request

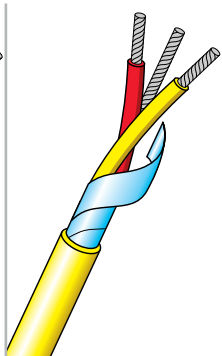
# HR PVC Thermocouple Extension Grade Wire

## Heat Resistant PVC Insulated Twisted Wire -22°F to +220°F

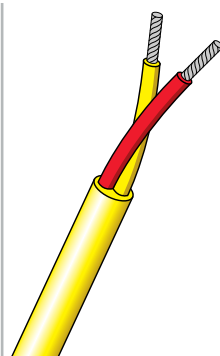
- Incorporates Heat Resistant (HR) PVC suitable for use in the temperature range -22°F to +220°F
- Twisted construction with either solid or stranded conductors in a range of sizes. Ideal for general purpose applications
- Multipair wire is also available, please contact us for details



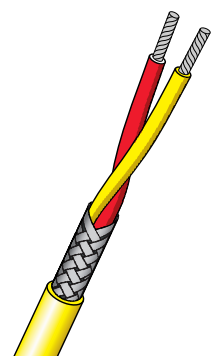
**HR PVC Twisted Pair with Shield**  
One pair of **solid** conductors. Cores HR PVC insulated. Pair twisted, screened with Mylar aluminium tape and drain wire. HR PVC sheathed overall.



**HR PVC Twisted Pair with Shield**  
One pair of **stranded** conductors. HR PVC insulated. Pair twisted, screened with Mylar aluminium tape and drain wire. HR PVC sheathed overall.



**HR PVC Twisted Pair**  
One pair of **stranded** conductors. HR PVC insulated with HRPVC insulation overall.



**HR PVC Twisted Pair with Tinned Copper Braid**  
One pair of **stranded** conductors. HR PVC insulated. Pair twisted with nickel plated copper braid. HR PVC insulation overall.

Stock Number			A20	A25	A27	A28	A29	A82	A83	A85	A75	A26	
CONDUCTORS	Wire Type (number of strands x AWG)		Solid	Solid	7x32	13x32	23x32	7x32	13x32	23x32	3x28	7x32	
	Total Wire Size - AWG (S = Stranded)		20	16	24S	21S	19S	24S	21S	19S	24S	24S	
	Total Area (mm <sup>2</sup> )		0.5	1.3	0.22	0.44	0.75	0.22	0.44	0.75	0.21	0.22	
	Insulation		Heat Resistant PVC		Heat Resistant PVC			Heat Resistant PVC			Heat Resistant PVC		
PAIRS	Number of Pairs		1		1			1			1		
	Conductor Configuration		Twisted		Twisted			Twisted			Twisted		
	Shielded *		Yes		Yes			No			Yes		
OVERALL	Insulation		Heat Resistant PVC		Heat Resistant PVC			Heat Resistant PVC			Heat Resistant PVC		
	Insulation Rating (°F)	Continuous	-22 to +220		-22 to +220			-22 to +220			-22 to +220		
		Short Term	—		—			—			—		
	Color Coding		Yes		Yes			Yes			Yes		
	Physical Properties	Abrasion Resistance		Good		Good			Good			Good	
		Moisture Resistance		Very Good		Very Good			Very Good			Very Good	
		Typical Weight (lbs/1000ft) (excluding reel)		28	48	21	28	41	14	21	28	21	21
	Diameter under Armor (inches)		—		—			—			—		
	Diameter over Armor (inches)		—		—			—			—		
	Overall Diameter <sup>†</sup> (inches)		0.24"	0.28"	0.16"	0.20"	0.24"	0.16"	0.20"	0.24"	0.16"	0.16"	
Notes			Round cross section. Rejects electromagnetic and electrostatic interference.			Round cross section. Rejects electromagnetic and electrostatic interference.			Round cross section. Rejects electromagnetic interference.			Round cross section. Rejects electromagnetic and electrostatic interference.	

\* Aluminised Mylar® tape in contact throughout by a bare 7/0.3mm diameter tinned copper drainwire. Where wire incorporate a metal braid, the braid can be used as a shield.

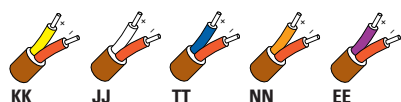
† These values are nominal and if critical to your application, please request a physical check.

The wire constructions can also be manufactured to any other color coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding wire lengths please let us know so that we may make a satisfactory offer to meet your needs.

### Color Codes available Extension Grade to ANSI MC96.1



### ALSO AVAILABLE as Thermocouple Grade to ANSI MC96.1



### Order Code - Example

Stock No.	Thermocouple Type	Color Code
A27	- KX	- ANSI

Thermocouple wire is available in the following types: KX, JX, TX, NX, EX, SX or RX. Other less popular thermocouple types are available on request.

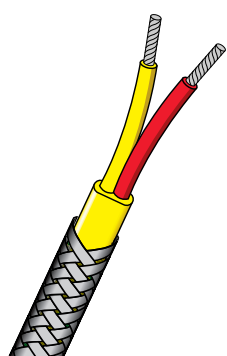
Thermocouple wire is normally available from us for **immediate** delivery from stock to ANSI MC96.1 colour coding.

IEC colors are available on request

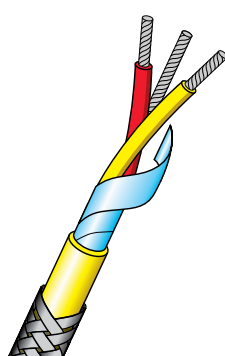
# HR PVC Thermocouple Extension Grade Wire

## Stainless Steel Braided Heat Resistant PVC Insulated Wire -22°F to +220°F

- Incorporates Heat Resistant (HR) PVC suitable for use in the temperature range -22°F to +220°F
- Stainless Steel braided for mechanical protection
- Multipair wire is also available, please contact us for details



**Stainless Steel Braided HR PVC Parallel Twin**  
One pair of **stranded** conductors. Cores HR PVC insulated. Pair laid flat. HR PVC sheathed. Stainless steel braided overall.



**Stainless Steel Braided HR PVC Twisted with Shield**  
One pair of **stranded** conductors. HR PVC insulated. Pair twisted, shielded with Mylar Al tape and drain wire. HR PVC sheathed. Stainless steel braided overall.

Stock Number		A30/SSB	A27/SSB
CONDUCTORS	Wire Type (number of strands x AWG)	7x32	7x32
	Total Wire Size - AWG (S = Stranded)	24S	24S
	Total Area (mm <sup>2</sup> )	0.22	0.22
	Insulation	Heat Resistant PVC	Heat Resistant PVC
PAIRS	Number of Pairs	1	1
	Conductor Configuration	Parallel	Twisted
	Shielded*	No	Yes
OVERALL	Insulation	Heat Resistant PVC	Heat Resistant PVC
	Insulation Rating (°F)	Continuous	-22 to +220
		Short Term	—
	Color Coding	Yes	Yes
	Physical Properties	Abrasion Resistance	Very Good
		Moisture Resistance	Very Good
		Typical Weight (lbs/1000ft) (excluding reel)	14
	Diameter under Armor (inches)	—	—
	Diameter over Armor (inches)	—	—
	Overall Diameter† (inches)	0.18"	0.16"
Notes		Oval section. Good general purpose construction.	Round cross section. Rejects electromagnetic and electrostatic interference.

\* Aluminised Mylar® tape in contact throughout by a bare 7/0.3mm diameter tinned copper drainwire. Where wire incorporate a metal braid, the braid can be used as a shield.

† These values are nominal and if critical to your application, please request a physical check.

The wire constructions can also be manufactured to any other color coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding wire lengths please let us know so that we may make a satisfactory offer to meet your needs.

### Color Codes available Extension Grade to ANSI MC96.1



### ALSO AVAILABLE as Thermocouple Grade to ANSI MC96.1



### Order Code - Example

Stock No.	Thermocouple Type	Color Code
A30/SSB	- KX	- ANSI

Thermocouple wire is available in the following types: KX, JX, TX, NX, EX, SX or RX. Other less popular thermocouple types are available on request.

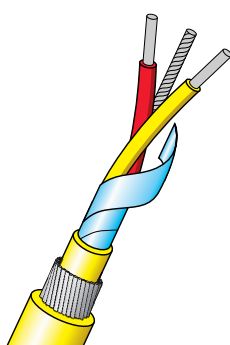
Thermocouple wire is normally available from us for **immediate** delivery from stock to ANSI MC96.1 colour coding.

IEC colors are available on request

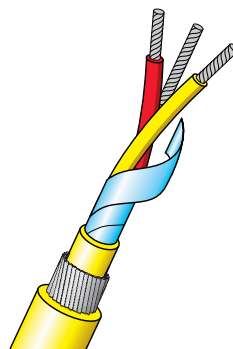
# HR PVC Thermocouple Extension Grade Wire

Stainless Steel Armored Heat Resistant PVC Insulated Wire **-22°F to +220°F**

- Incorporates Heat Resistant (HR) PVC suitable for use in the temperature range -22°F to +220°F
- Stainless Steel armored for mechanical strength
- Multipair wire is also available, please contact us for details



**HR PVC Twisted Pair with Armor**  
One pair of **solid** conductors. Cores HR PVC insulated. Pair twisted, shielded with Mylar aluminium tape and drain wire. HR PVC bedded, steel wire armored and HR PVC sheathed.



**HR PVC Twisted Pair with Armor**  
One pair of **stranded** conductors. Cores HR PVC insulated. Pair twisted, shielded with Mylar aluminium tape and drain wire. HR PVC bedded, steel wire armored and HR PVC sheathed.

Stock Number		A90	A95
CONDUCTORS	Wire Type (number of strands x AWG)	<b>Solid</b>	<b>23x32</b>
	Total Wire Size - AWG (S = Stranded)	<b>16</b>	<b>19S</b>
	Total Area (mm <sup>2</sup> )	1.3	0.75
	Insulation	Heat Resistant PVC	Heat Resistant PVC
PAIRS	Number of Pairs	1	1
	Conductor Configuration	Twisted	Twisted
	Shielded *	Yes	Yes
OVERALL	Insulation	Heat Resistant PVC	Heat Resistant PVC
	Insulation Rating (°F)	Continuous	-22 to +220
		Short Term	—
	Color Coding	Yes	Yes
	Physical Properties	Abrasion Resistance	Good
		Moisture Resistance	Very Good
		Typical Weight (Kg/100m) (excluding reel)	204
	Diameter under Armor (inches)	0.28"	0.24"
	Diameter over Armor (inches)	0.35"	0.31"
	Overall Diameter <sup>†</sup> (inches)	0.47"	0.43"
Notes		Round cross section. Rejects electromagnetic and electrostatic interference. Armored for mechanical strength.	Round cross section. Rejects electromagnetic and electrostatic interference. Armored for mechanical strength.

\* Aluminised Mylar® tape in contact throughout by a bare 7/0.3mm diameter tinned copper drainwire.

† These values are nominal and if critical to your application, please request a physical check.

The wire constructions can also be manufactured to any other color coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding wire lengths please let us know so that we may make a satisfactory offer to meet your needs.

Color Codes available Extension Grade to ANSI MC96.1



ALSO AVAILABLE as Thermocouple Grade to ANSI MC96.1



Order Code - Example

Stock No.	Thermocouple Type	Color Code
<b>A90</b>	<b>- KX</b>	<b>- ANSI</b>

Thermocouple wire is available in the following types: KX, JX, TX, NX, EX, SX or RX. Other less popular thermocouple types are available on request.

Thermocouple wire is normally available from us for **immediate** delivery from stock to ANSI MC96.1 colour coding.

IEC colors are available on request





**TC Measurement and Control Inc**  
**PO Box 685**  
**Hillside , IL 60162**  
**Tel: 708-449-0700**  
**Toll Free: 877 244 1777**  
**Fax: 708-449-0777**  
**Email: [info@tc-inc.com](mailto:info@tc-inc.com)**  
**Web: [www.tc-inc.com](http://www.tc-inc.com)**

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