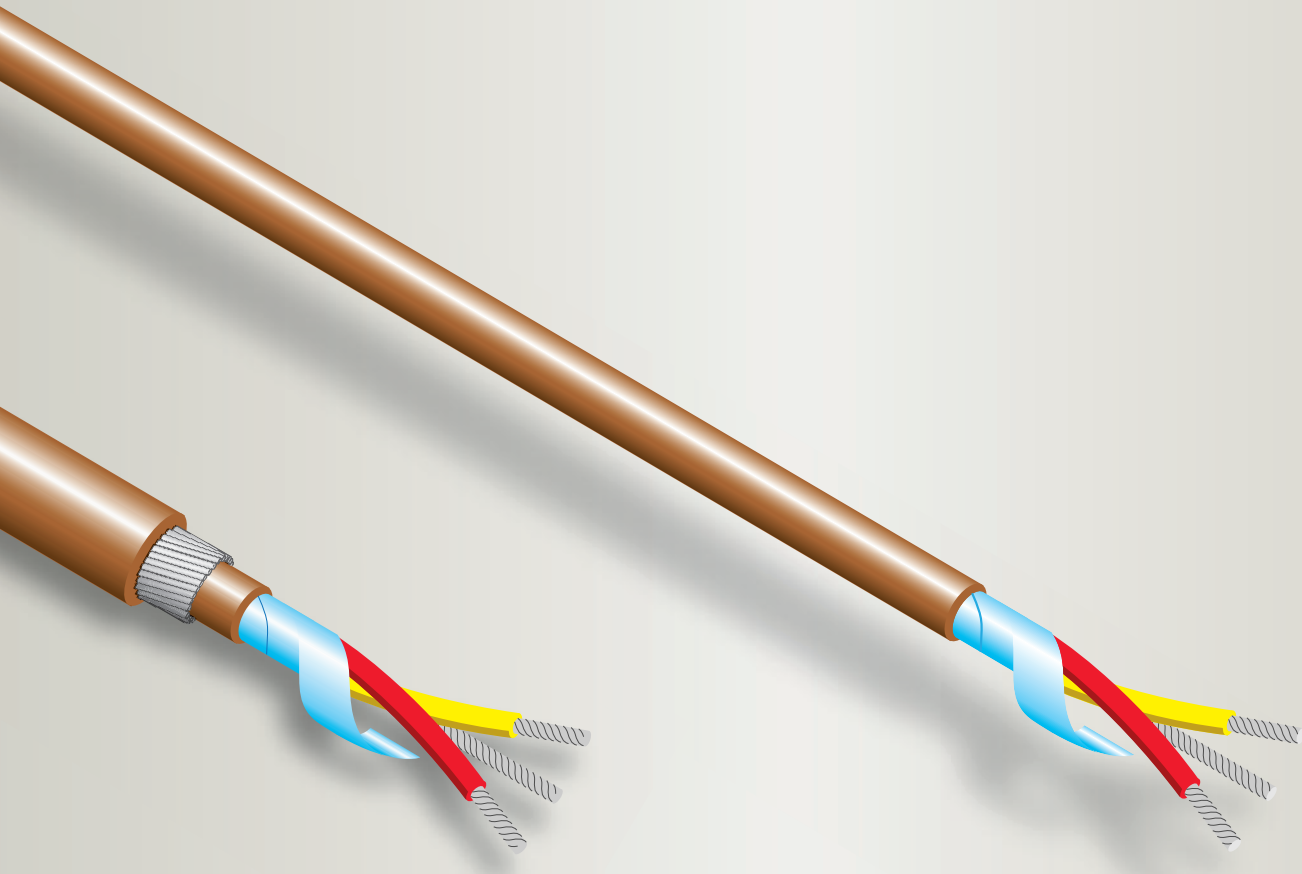




Thermocouple Grade Wire - Single Pair Flame Retardant PVC Insulated



**A range of Flame Retardant PVC insulated
single pair Thermocouple Grade Wire available
from stock for immediate delivery**

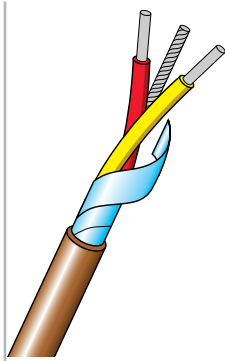
We also have a similar range of Heat Resistant PVC wire - please ask us for details

TC for Temperature Sensing, Measurement and Control

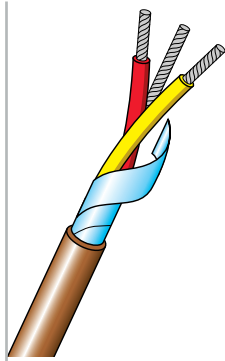
FR PVC Thermocouple Grade Wire

Flame Retardant PVC Insulated Twisted Wire -22°F to +165°F

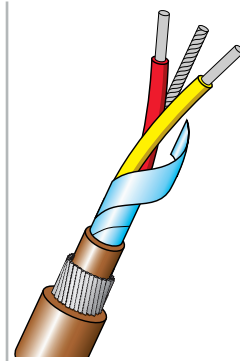
- Excellent properties for the reduced propagation of flame by incorporation of flame retardant (FR) PVC compounds
- Suitable for situations where there is a risk of fire
- These wire meet the requirements of IEC 60332.1:2004 covering tests on wire that are under fire conditions
- The Oxygen Index Value is not less than 30 in accordance with ASTM D2863



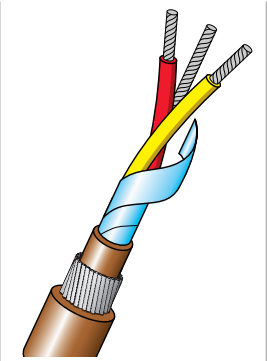
FR PVC Twisted Pair with Shield
One pair of **solid** conductors. Cores FR PVC insulated. Pair twisted, shielded with Mylar aluminium tape and drain wire. FR PVC sheathed overall.



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



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



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

Stock Number		FR20	FR25	FR29	FR30	FR50	FR89	FR90	FR94	FR95		
CONDUCTORS	Wire Type (number of strands x AWG)	Solid	Solid	16x32	7x32	23x32	Solid	Solid	16x32	23x32		
	Total Wire Size - AWG (S = Stranded)	20	16	20S	24S	19S	20	16	20S	19S		
	Total Area (mm ²)	0.5	1.3	0.5	0.22	0.75	0.5	1.3	0.5	0.75		
	Insulation	Flame Retardant PVC			Flame Retardant PVC			Flame Retardant PVC		Flame Retardant PVC		
PAIRS	Number of Pairs	1			1			1		1		
	Conductor Configuration	Twisted			Twisted			Twisted		Twisted		
	Shielded*	Yes			Yes			Yes		Yes		
OVERALL	Insulation	Flame Retardant PVC			Flame Retardant PVC			Flame Retardant PVC		Flame Retardant PVC		
	Insulation Rating (°F)	Continuous	-22 to +165			-22 to +165			-22 to +165		-22 to +165	
		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	28	34	21	48	130	204	130	150	
	Diameter under Armor (inches)	—			—			0.22"	0.28"	0.22"	0.24"	
Diameter over Armor (inches)	—			—			0.30"	0.35"	0.30"	0.31"		
Overall Diameter† (inches)	0.22"	0.28"x0.28"	0.22"	0.18"	0.26"	0.37"	0.43"	0.41"	0.43"			
Notes	Flame Retardant. Round section. Rejects electromagnetic and electrostatic interference.			Flame Retardant. Round section. Rejects electromagnetic and electrostatic interference.			Flame Retardant. Round section. Rejects electromagnetic and electrostatic interference. Armored for mechanical strength.		Flame Retardant. Round 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 Thermocouple Grade to ANSI MC96.1	Order Code - Example						
<p>KK JJ TT NN EE</p>	<table border="1"> <thead> <tr> <th>Stock No.</th> <th>Thermocouple Type</th> <th>Color Code</th> </tr> </thead> <tbody> <tr> <td>FR30</td> <td>- KK</td> <td>- ANSI</td> </tr> </tbody> </table>	Stock No.	Thermocouple Type	Color Code	FR30	- KK	- ANSI
Stock No.	Thermocouple Type	Color Code					
FR30	- KK	- ANSI					
<p>ALSO AVAILABLE as Extension Grade to ANSI MC96.1</p> <p>KX JX TX NX EX SX RX</p>	<p>Thermocouple wire is available in the following types: KK, JJ, TT, NN or EE. Other less popular thermocouple types are available on request.</p> <p>Thermocouple wire is normally available from us for immediate delivery from stock to ANSI MC96.1 colour coding.</p>						

IEC colors are available on request



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