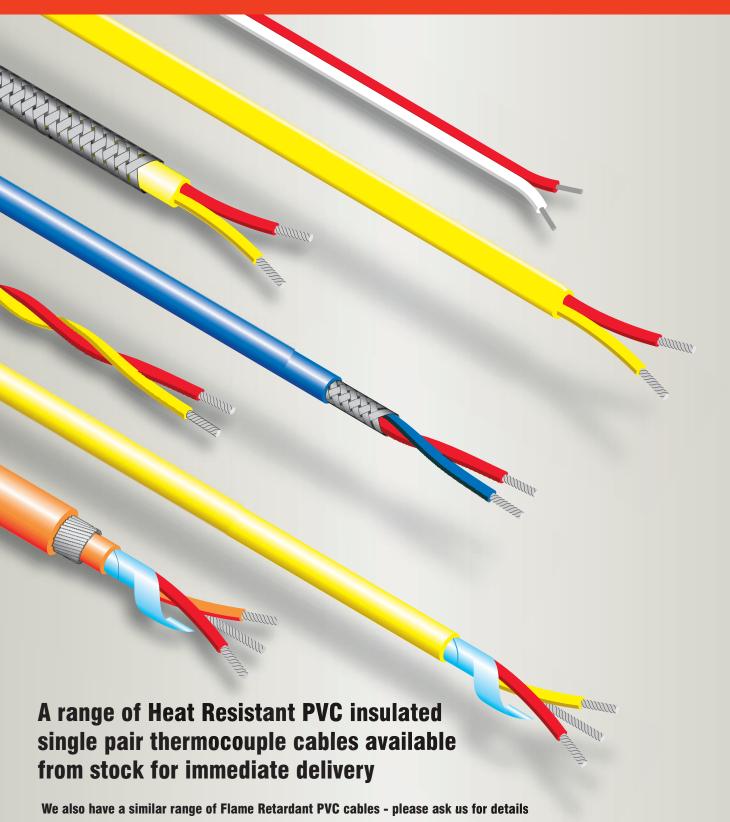


Heat Resistant PVC Insulated Thermocouple Cables - Single Pairs



Heat Resistant PVC Insulated 'Ripcord' / PVC Twisted Pair -30°C to +105°C

- Incorporates Heat Resistant (HR) PVC suitable for use in the temperature range -30°C to +105°C
- The grade of PVC used on these cables is to BS7655:Part 4 Section 4.2 Type 5/UL Style 105°C rated (15,000 hours at 105°C)
- 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. Cores HR PVC insulated. Pair laid flat and welded together in a 'ripcord' construction.

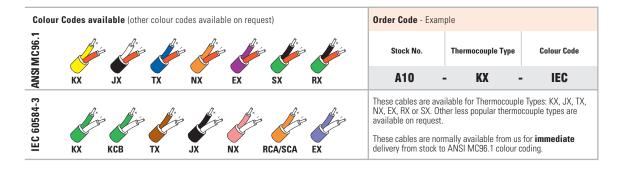


conductors. Cores HR PVC insulated. Pair twisted.

		Stock Number	A10		
S	Conductor Style	•	Solid		
TOR	No. of Strands /	Strand Diameter (mm)	1/0.5		
CONDUCTORS	Total Area (mm	²)	0.2		
ONO	Total AWG (S =	Stranded)	24		
2	Insulation		Heat Resistant PVC		
S	Number of Pair	s	1		
PAIRS	Laid Flat or Tw	isted	Laid Flat		
4	Screen		No		
	Insulation		Heat Resistant PVC		
	Insulation Rating (°C)	Continuous	-30 to +105		
		Short Term	_		
_	Colour Coding		Yes		
3AL	Physical Properties	Abrasion Resistance	Good		
OVERALL		Moisture Resistance	Very Good		
0		Typical Weight (Kg/100m) (excluding reel)	1		
	Diameter under	Armour (mm)	_		
	Diameter over A	Armour (mm)	_		
	Overall Diamet	er [†] (mm)	2x3		
		Notes	"Figure of eight" or "bell wire" type.		

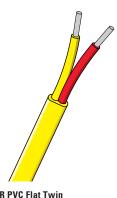
A80
Stranded
13/0.2
0.44
21S
Heat Resistant PVC
1
Twisted
No
Heat Resistant PVC
-30 to +105
_
Yes
Good
Very Good
2
_
_
4
Rejects electromagnetic interference.

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

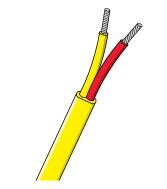


Heat Resistant PVC Insulated Flat Twin Cables -30°C to +105°C

- Incorporates Heat Resistant (HR) PVC suitable for use in the temperature range -30°C to +105°C
- The grade of PVC used on these cables is to BS7655:Part 4 Section 4.2 Type 5/UL Style 105°C rated (15,000 hours at 105°C)
- Flat twin construction with either solid or stranded conductors in a range of sizes.
 Ideal for general purpose applications
- Multipair cables are also available, please contact us for details



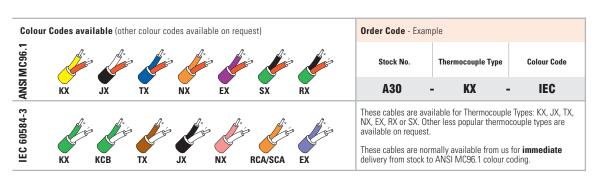
HR PVC Flat Twin
One pair of solid conductors. Cores HR
PVC insulated. Pair laid flat. HR PVC
sheathed overall.



HR PVC Flat Twin
One pair of stranded conductors. Cores HR PVC insulated.
Pair laid flat. HR PVC sheathed overall.

		Stock Number	A13	A14	A15	A30	A40	A50	A60	A65	A70
S	Conductor Style		Solid		Stranded						
CONDUCTORS	No. of Strands / Strand Diameter (mm)		1/0.5	1/0.8	1/1.29	7/0.2	13/0.2	23/0.2	32/0.2	40/0.2	3/0.91
	Total Area (mm²)		0.2	0.5	1.3	0.22	0.44	0.75	1.0	1.3	1.95
ONE	Total AWG (S = Stranded)		24	20	16	24S	21S	18S	17S	16S	15S
ပ်	Insulation		Heat Resistant PVC			Heat Resistant PVC					
S	Number of Pairs Laid Flat or Twisted		1			1					
PAIRS			Laid Flat			Laid Flat					
۵	Screen		No			No					
	Insulation		Heat Resistant PVC		Heat Resistant PVC						
	Insulation Continuous Rating (°C) Short Term		-30 to +105			-30 to +105					
_	Colour Coding		Yes			Yes					
OVERALL	Abrasion Resistance		Good			Good					
VE	Properties Typical We	Moisture Resistance	Very Good			Very Good					
O		Typical Weight (Kg/100m) (excluding reel)	3	4	5	2	3	4	5	6	7
	Diameter under Armour (mm)		_		_						
	Diameter over Armour (mm)		_		_						
	Overall Diameter	† (mm)	3x5	3x5	4x6	3x4	3x5	4x6	4x6	5x7	5x8
	Notes			Oval section. Good general purpose flexible co purpose construction. Oval section. Good general purpose flexible co A60, A65 and A70 are more robust.			e construct	ion.			

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



Heat Resistant PVC Insulated Twisted Cables -30°C to +105°C

Stock Number

- Incorporates Heat Resistant (HR) PVC suitable for use in the temperature range -30°C to +105°C
- The grade of PVC used on these cables is to BS7655:Part 4 Section 4.2 Type 5/UL Style 105°C rated (15,000 hours at 105°C)
- Twisted construction with either solid or stranded conductors in a range of sizes. Ideal for general purpose applications
- Multipair cables are also available, please contact us for details

No. of Strands / Strand Diameter (mm)

Continuous

Short Term

Abrasion Resistance

Moisture Resistance

Typical Weight (Kg/100m)

Conductor Style

Total Area (mm²)

Number of Pairs Laid Flat or Twisted

Insulation

Screen*

Insulation

Insulation Rating (°C)

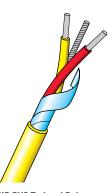
Physical

Properties

Diameter under Armour (mm) Diameter over Armour (mm) Overall Diameter† (mm)

Colour Coding

Total AWG (S = Stranded)



HR PVC Twisted Pair with Screen

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

Solid

Heat Resistant PVC

Twisted

Yes

Heat Resistant PVC

-30 to +105

Yes

Good

Very Good

6

Round section. Rejects

electrostatic interference.

electromagnetic and

A25

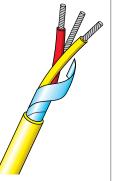
1/1.29

1.3

16

A20

1/0.8



HR PVC Twisted Pair with Screen

A27

7/0.2

0.22

24S

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

A28

Stranded

13/0.2

0.44

Heat Resistant PVC

Twisted

Yes

Heat Resistant PVC

-30 to +105

Yes

Good

Very Good

4

5

Round section. Rejects

electrostatic interference

electromagnetic and

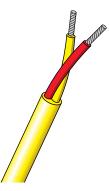
4

3

A29

23/0.2

0.75



HR PVC Twisted Pair

One pair of stranded				
conductors. Cores HR PVC				
insulated. Pair twisted. HR PVC				
sheathed overall.				

A82	A83	A85				
Stranded						
7/0.2 13/0.2 23/0.2						
0.22	0.44	0.75				
24S	21S	18S				
Heat	Resistan	t PVC				
	1					
	Twisted					
	No					
Heat Resistant PVC						
-30 to +105						
_						
	Yes					
	Good					
Very Good						
2 3 4						
_						
_						
4 5 6						
Round section. Rejects electromagnetic interference.						

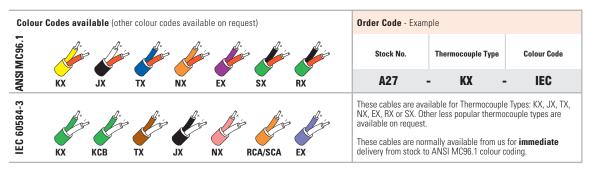


Tinned Cu Braid One pair of stranded conductors. Cores HR PVC insulated. Pair twisted with tinned copper braid. HR PVC

sheathed overall.

A75	A26				
Stranded					
3/0.3 7/0.2					
0.21	0.22				
24S	24S				
Heat Resi	stant PVC				
1	I				
Twi	sted				
Ye	es				
Heat Resi	stant PVC				
-30 to +105					
_	_				
Ye	es				
Go	od				
Very Good					
3 3					
_					
_					
4 4					
Round section. Rejects					

electromagnetic and electrostatic interference.



Aluminised Mylar® tape in contact throughout by a bare 7/0.3mm diameter tinned copper drainwire. Where cables incorporate a metal braid, the braid can be used as a screen. These values are nominal and if critical to your application, please request a physical check.

Stainless Steel Braided Heat Resistant PVC Insulated Cables -30°C to +105°C

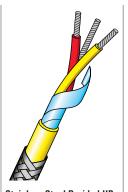
- Incorporates Heat Resistant (HR) PVC suitable for use in the temperature range -30°C to +105°C
- The grade of PVC used on these cables is to BS7655:Part 4 Section 4.2 Type 5/UL Style 105°C rated (15,000 hours at 105°C)
- Stainless Steel braided for mechanical protection
- Multipair cables are also available, please contact us for details



Stainless Steel Braided HR PVC Flat Twin

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

		Stock Number	A30/SSB	
00	Conductor Style		Stranded	
	No. of Strands / Strand Diameter (mm)		7/0.2	
	Total Area (mm²	1)	0.22	
	Total AWG (S =	Stranded)	24S	
	Insulation		Heat Resistant PVC	
S	Number of Pairs	:	1	
PAIRS	Laid Flat or Twis	sted	Laid Flat	
۵	Screen*		Yes	
	Insulation		Heat Resistant PVC	
	Insulation Rating (°C)	Continuous	-30 to +105	
		Short Term	_	
_	Colour Coding		Yes	
3AL		Abrasion Resistance	Very Good	
OVERALL	Physical Properties	Moisture Resistance	Very Good	
0	Порогиос	Typical Weight (Kg/100m) (excluding reel)	2	
	Diameter under	Armour (mm)	_	
	Diameter over A	rmour (mm)	_	
	Overall Diamete	r [†] (mm)	4.5	
		Notes	Oval section. Good general purpose construction.	

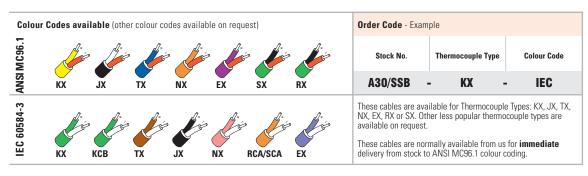


Stainless Steel Braided HR PVC Twisted with Screen

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

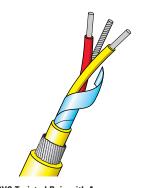
Stainless steel braided overall.				
A27/SSB				
Stranded				
7/0.2				
0.22				
24S				
Heat Resistant PVC				
1				
Twisted				
Yes				
Heat Resistant PVC				
-30 to +105				
_				
Yes				
Very Good				
Very Good				
4				
_				
_				
4.5				
Round section. Rejects electromagnetic and electrostatic interference.				

^{*} Aluminised Mylar® tape in contact throughout by a bare 7/0.3mm diameter tinned copper drainwire. Where cables incorporate a metal braid, the braid can be used as a screen.
† These values are nominal and if critical to your application, please request a physical check.

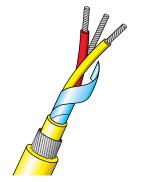


Stainless Steel Armoured Heat Resistant PVC Insulated Cables -30°C to +105°C

- Incorporates Heat Resistant (HR) PVC suitable for use in the temperature range -30°C to +105°C
- The grade of PVC used on these cables is to BS7655:Part 4 Section 4.2 Type 5/UL Style 105°C rated (15,000 hours at 105°C)
- Stainless Steel armoured for mechanical strength
- Multipair cables are also available, please contact us for details



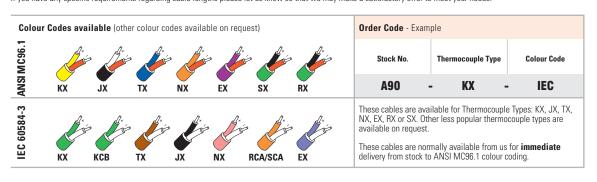
HR PVC Twisted Pair with Armour One pair of solid conductors. Cores HR PVC insulated. Pair twisted, screened with Mylar aluminium tape and drain wire. HR PVC bedded, steel wire armoured and HR PVC sheathed.



HR PVC Twisted Pair with Armour One pair of stranded conductors. Cores HR PVC insulated. Pair twisted, screened with Mylar aluminium tape and drain wire. HR PVC bedded, steel wire armoured and HR PVC sheathed.

		Stock Number	A90	A95		
S	Conductor Style		Solid	Stranded		
TO R	No. of Strands / S	trand Diameter (mm)	1/1.29	23/0.2		
CONDUCTORS	Total Area (mm²)		1.3	0.75		
ONIC	Total AWG (S = S	tranded)	16	18S		
2	Insulation		Heat Resistant PVC	Heat Resistant PVC		
S	Number of Pairs		1	1		
PAIRS	Laid Flat or Twisted		Twisted	Twisted		
٩	Screen*		Yes	Yes		
	Insulation		Heat Resistant PVC	Heat Resistant PVC		
	Insulation Continuous		-30 to +105	-30 to +105		
	Rating (°C)	Short Term	_	_		
_	Colour Coding		Yes	Yes		
OVERALL	Abrasion Resistance		Good	Good		
VE	Physical Properties	Moisture Resistance	Very Good	Very Good		
O		Typical Weight (Kg/100m) (excluding reel)	30	22		
	Diameter under Armour (mm)		7	6		
	Diameter over Armour (mm)		9	8		
	Overall Diameter† (mm)		12	11		
		Notes	Round section. Rejects electromagnetic and electrostatic interference. Armoured for mechanical strength.	Round section. Rejects electromagnetic and electrostatic interference. Armoured 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.



Notes



TC Measurement & Control Pty Ltd PO Box 7777 Oakleigh VIC 3166 Australia

Tel: 03 9543 8433 Fax: 03 9543 8466

Email: info@tcaus.com.au Web: www.tcaus.com.au

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