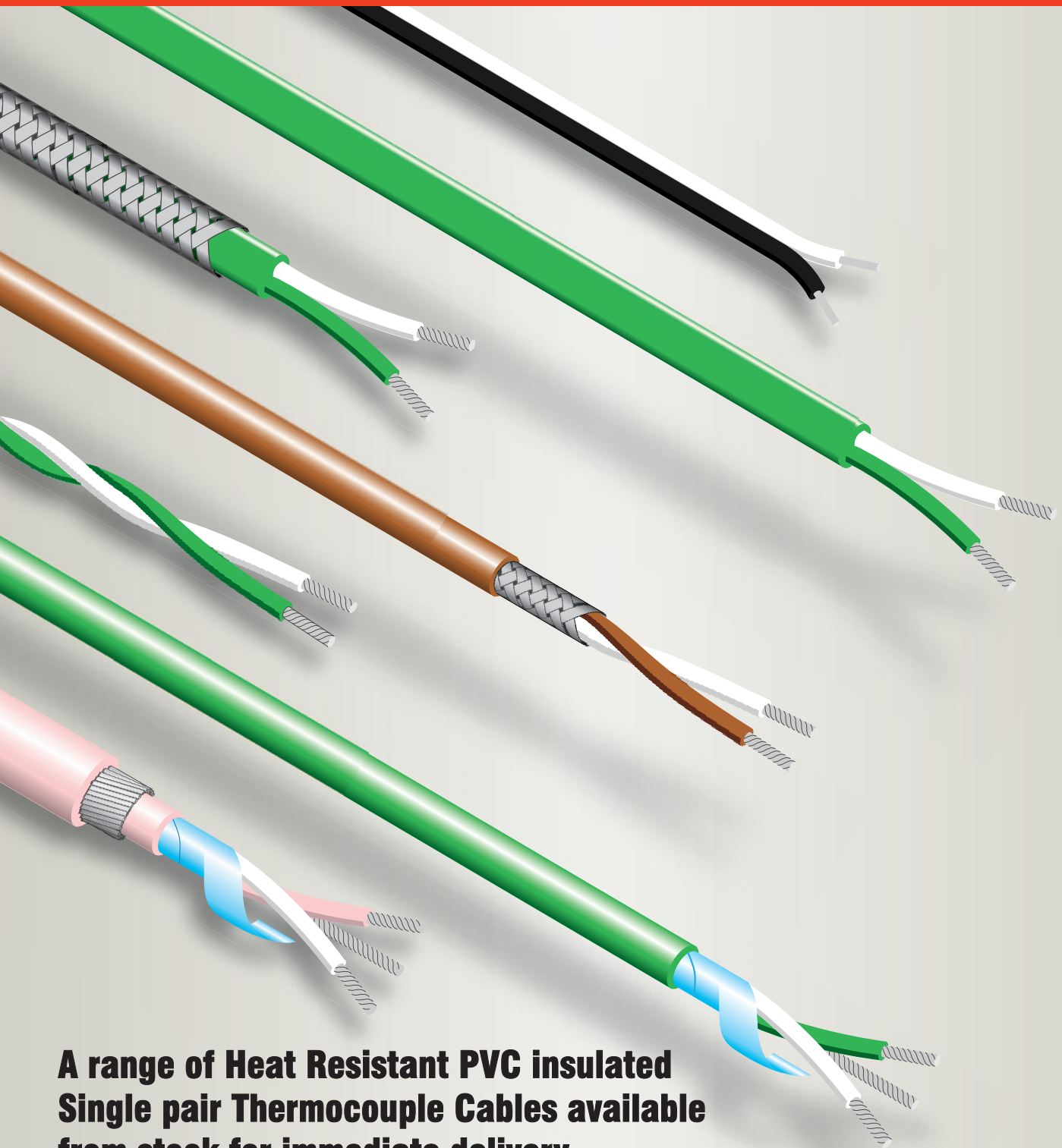
Heat Resistant PVC Insulated Thermocouple Cables - Single Pairs



A range of Heat Resistant PVC insulated Single pair Thermocouple Cables available from stock for immediate delivery

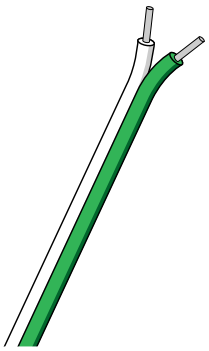
Flame Retardant PVC cables also available - request our separate datasheet

TC Measurement & Control AB

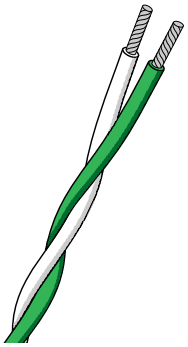
HR PVC Insulated Single Pair Thermocouple Cable

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.



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

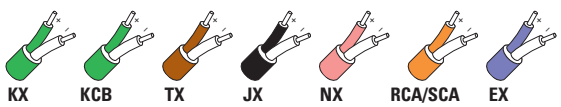
		Stock Number	**A10**	**A80**
CONDUCTORS	**Conductor Style**		**Solid**	**Stranded**
	No. of Strands / Strand Diameter (mm)		**1/0.5**	**13/0.2**
	Total Area (mm^2)		0.2	0.44
	Total AWG (S = Stranded)		24	21S
	Insulation		Heat Resistant PVC	Heat Resistant PVC
PAIRS	**Number of Pairs**		1	1
	Laid Flat or Twisted		Laid Flat	Twisted
	Screen		No	No
OVERALL	**Insulation**		Heat Resistant PVC	Heat Resistant PVC
	Insulation Rating (°C)	**Continuous**	-30 to +105	-30 to +105
		Short Term	—	—
	Colour Coding		Yes	Yes
	Physical Properties	**Abrasion Resistance**	Good	Good
		Moisture Resistance	Very Good	Very Good
		Typical Weight (Kg/100m) (excluding reel)	1	2
	Diameter under Armour (mm)		—	—
	Diameter over Armour (mm)		—	—
	Overall Diameter† (mm)		2x3	4
		Notes	"Figure of eight" or "bell wire" type.	Rejects electromagnetic interference.

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

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

Colour Codes available (other colour codes available on request)

IEC 60584-3



ANSI MC96.1



Order Code - Example

Stock No.		Thermocouple Type		Colour Code
A10	-	**KX**	-	**IEC**

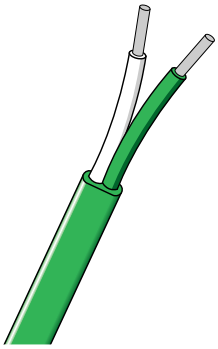
These cables are available for Thermocouple Types: KX, KCB, JX, TX, NX, EX, RCA or SCA. Other less popular thermocouple types are available on request.

These cables are normally available from us for **immediate** delivery from stock to IEC 60584-3 colour coding.

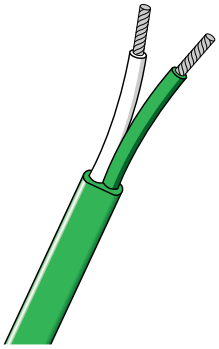
HR PVC Insulated Single Pair Thermocouple Cable

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.

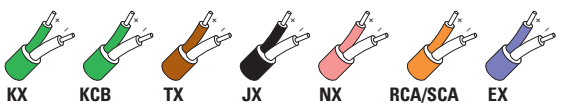
	Stock Number	A13	A14	A15	A30	A40	A50	A60	A65	A70
CONDUCTORS	Conductor Style	Solid			Stranded					
	No. of Strands / Strand Diameter (mm)	1/0.5	1/0.8	1/1.29	7/0.2	13/0.2	23/0.2	32/0.2	40/0.2	3/0.91
	Total Area (mm^2)	0.2	0.5	1.3	0.22	0.44	0.75	1.0	1.3	1.95
	Total AWG (S = Stranded)	24	20	16	24S	21S	18S	17S	16S	15S
	Insulation	Heat Resistant PVC			Heat Resistant PVC					
PAIRS	Number of Pairs	1			1					
	Laid Flat or Twisted	Laid Flat			Laid Flat					
	Screen	No			No					
OVERALL	Insulation	Heat Resistant PVC			Heat Resistant PVC					
	Insulation Rating (°C) — Continuous	-30 to +105			-30 to +105					
	Insulation Rating (°C) — Short Term	—			—					
	Colour Coding	Yes			Yes					
	Physical Properties — Abrasion Resistance	Good			Good					
	Physical Properties — Moisture Resistance	Very Good			Very Good					
	Physical Properties — 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 construction.			Oval 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.

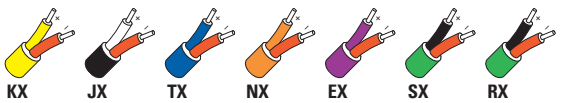
The cable constructions can also be manufactured to any other colour coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding cable lengths please let us know so that we may make a satisfactory offer to meet your needs.

Colour Codes available (other colour codes available on request)

IEC 60584-3



ANSI MC96.1



Order Code - Example

Stock No.		Thermocouple Type		Colour Code
A30	-	KX	-	IEC

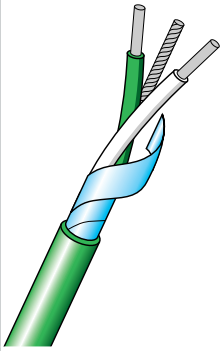
These cables are available for Thermocouple Types: KX, KCB, JX, TX, NX, EX, RCA or SCA. Other less popular thermocouple types are available on request.

These cables are normally available from us for **immediate** delivery from stock to IEC 60584-3 colour coding.

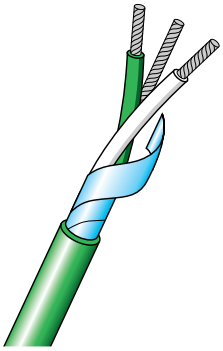
HR PVC Insulated Single Pair Thermocouple Cable

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

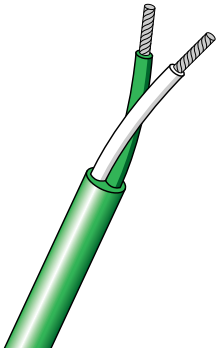
- Incorporates Heat Resistant (HR) PVC suitable for use in the temperature range -30°C to +105°C
- The grade of PVC used on these cables is to BS7655:Part 4 Section 4.2 Type 5/UL Style 105°C rated (15,000 hours at 105°C)
- Twisted construction with either solid or stranded conductors in a range of sizes.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



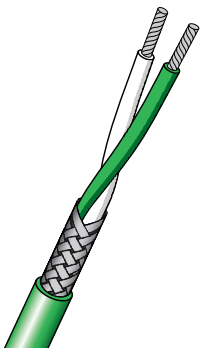
HR PVC Twisted Pair with Screen
One pair of **solid** conductors. Cores HR PVC insulated. Pair twisted, screened with Mylar aluminium tape and drain wire. HR PVC sheathed overall.



HR PVC Twisted Pair with Screen
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. Cores HR PVC insulated. Pair twisted. HR PVC sheathed overall.



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

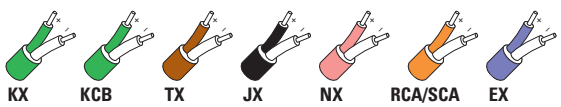
	Stock Number		**A20**	**A25**	**A27**	**A28**	**A29**	**A82**	**A83**	**A85**	**A75**	**A26**
CONDUCTORS	**Conductor Style**		**Solid**		**Stranded**			**Stranded**			**Stranded**	
	No. of Strands / Strand Diameter (mm)		**1/0.8**	**1/1.29**	**7/0.2**	**13/0.2**	**23/0.2**	**7/0.2**	**13/0.2**	**23/0.2**	**3/0.3**	**7/0.2**
	Total Area (mm²)		0.5	1.3	0.22	0.44	0.75	0.22	0.44	0.75	0.21	0.22
	Total AWG (S = Stranded)		20	16	24S	21S	18S	24S	21S	18S	24S	24S
	Insulation		Heat Resistant PVC		Heat Resistant PVC			Heat Resistant PVC			Heat Resistant PVC	
PAIRS	**Number of Pairs**		1		1			1			1	
	Laid Flat or Twisted		Twisted		Twisted			Twisted			Twisted	
	Screen*		Yes		Yes			No			Yes	
OVERALL	**Insulation**		Heat Resistant PVC		Heat Resistant PVC			Heat Resistant PVC			Heat Resistant PVC	
	Insulation Rating (°C)	**Continuous**	-30 to +105		-30 to +105			-30 to +105			-30 to +105	
		Short Term	—		—			—			—	
	Colour 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 (Kg/100m) (excluding reel)	4	7	3	4	4	2	3	4	3	3
	Diameter under Armour (mm)		—		—			—			—	
	Diameter over Armour (mm)		—		—			—			—	
	Overall Diameter† (mm)		6	7	4	5	6	4	5	6	4	4
	Notes		Round section. Rejects electromagnetic and electrostatic interference.		Round section. Rejects electromagnetic and electrostatic interference.			Round section. Rejects electromagnetic interference.			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.

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

Colour Codes available (other colour codes available on request)

IEC 60584-3



ANSI MC96.1



Order Code - Example

Stock No.		Thermocouple Type		Colour Code
A27	-	**KX**	-	**IEC**

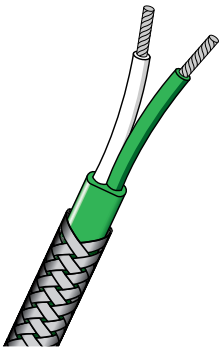
These cables are available for Thermocouple Types: KX, KCB, JX, TX, NX, EX, RCA or SCA. Other less popular thermocouple types are available on request.

These cables are normally available from us for **immediate** delivery from stock to IEC 60584-3 colour coding.

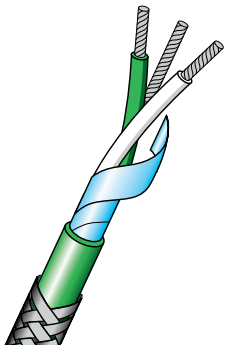
HR PVC Insulated Single Pair Thermocouple Cable

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.



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.

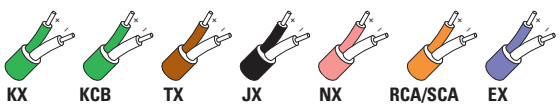
			Stock Number	A30/SSB	A27/SSB
CONDUCTORS	Conductor Style			Stranded	Stranded
	No. of Strands / Strand Diameter (mm)			7/0.2	7/0.2
	Total Area (mm^2)			0.22	0.22
	Total AWG (S = Stranded)			24S	24S
	Insulation			Heat Resistant PVC	Heat Resistant PVC
PAIRS	Number of Pairs			1	1
	Laid Flat or Twisted			Laid Flat	Twisted
	Screen*			No	Yes
OVERALL	Insulation			Heat Resistant PVC	Heat Resistant PVC
	Insulation Rating (°C)	Continuous		-30 to +105	-30 to +105
		Short Term		—	—
	Colour Coding			Yes	Yes
	Physical Properties	Abrasion Resistance		Very Good	Very Good
		Moisture Resistance		Very Good	Very Good
		Typical Weight (Kg/100m) (excluding reel)		2	4
	Diameter under Armour (mm)			—	—
	Diameter over Armour (mm)			—	—
	Overall Diameter† (mm)			4.5	4.5
			Notes	Oval section. Good general purpose construction.	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.

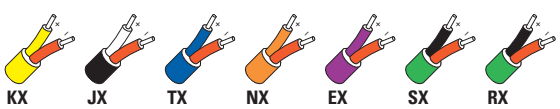
The cable constructions can also be manufactured to any other colour coding requirement that you may have, but might be subject to a minimum ordering quantity.
If you have any specific requirements regarding cable lengths please let us know so that we may make a satisfactory offer to meet your needs.

Colour Codes available (other colour codes available on request)

IEC 60584-3



ANSI MC96.1



Order Code - Example

Stock No.		Thermocouple Type		Colour Code
A30/SSB	-	KX	-	IEC

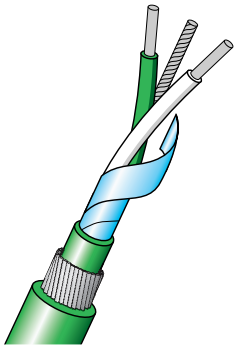
These cables are available for Thermocouple Types: KX, KCB, JX, TX, NX, EX, RCA or SCA. Other less popular thermocouple types are available on request.

These cables are normally available from us for **immediate** delivery from stock to IEC 60584-3 colour coding.

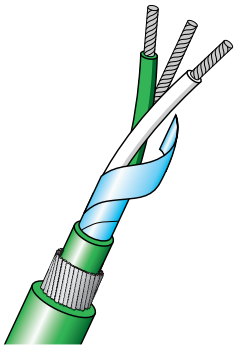
HR PVC Insulated Single Pair Thermocouple Cable

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.

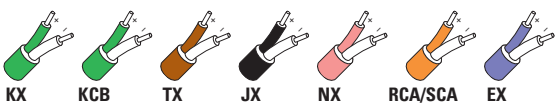
			A90	A95
	Stock Number		**A90**	**A95**
CONDUCTORS	**Conductor Style**		**Solid**	**Stranded**
	No. of Strands / Strand Diameter (mm)		**1/1.29**	**23/0.2**
	Total Area (mm²)		1.3	0.75
	Total AWG (S = Stranded)		16	18S
	Insulation		Heat Resistant PVC	Heat Resistant PVC
PAIRS	**Number of Pairs**		1	1
	Laid Flat or Twisted		Twisted	Twisted
	Screen*		Yes	Yes
OVERALL	**Insulation**		Heat Resistant PVC	Heat Resistant PVC
	Insulation Rating (°C)	**Continuous**	-30 to +105	-30 to +105
		Short Term	—	—
	Colour Coding		Yes	Yes
	Physical Properties	**Abrasion Resistance**	Good	Good
		Moisture Resistance	Very Good	Very Good
		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.

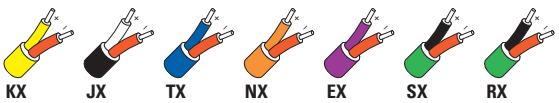
The cable constructions can also be manufactured to any other colour coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding cable lengths please let us know so that we may make a satisfactory offer to meet your needs.

Colour Codes available (other colour codes available on request)

IEC 60584-3



ANSI MC96.1



Order Code - Example

Stock No.		Thermocouple Type		Colour Code
A90	-	**KX**	-	**IEC**

These cables are available for Thermocouple Types: KX, KCB, JX, TX, NX, EX, RCA or SCA. Other less popular thermocouple types are available on request.

These cables are normally available from us for **immediate** delivery from stock to IEC 60584-3 colour coding.

Notes

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