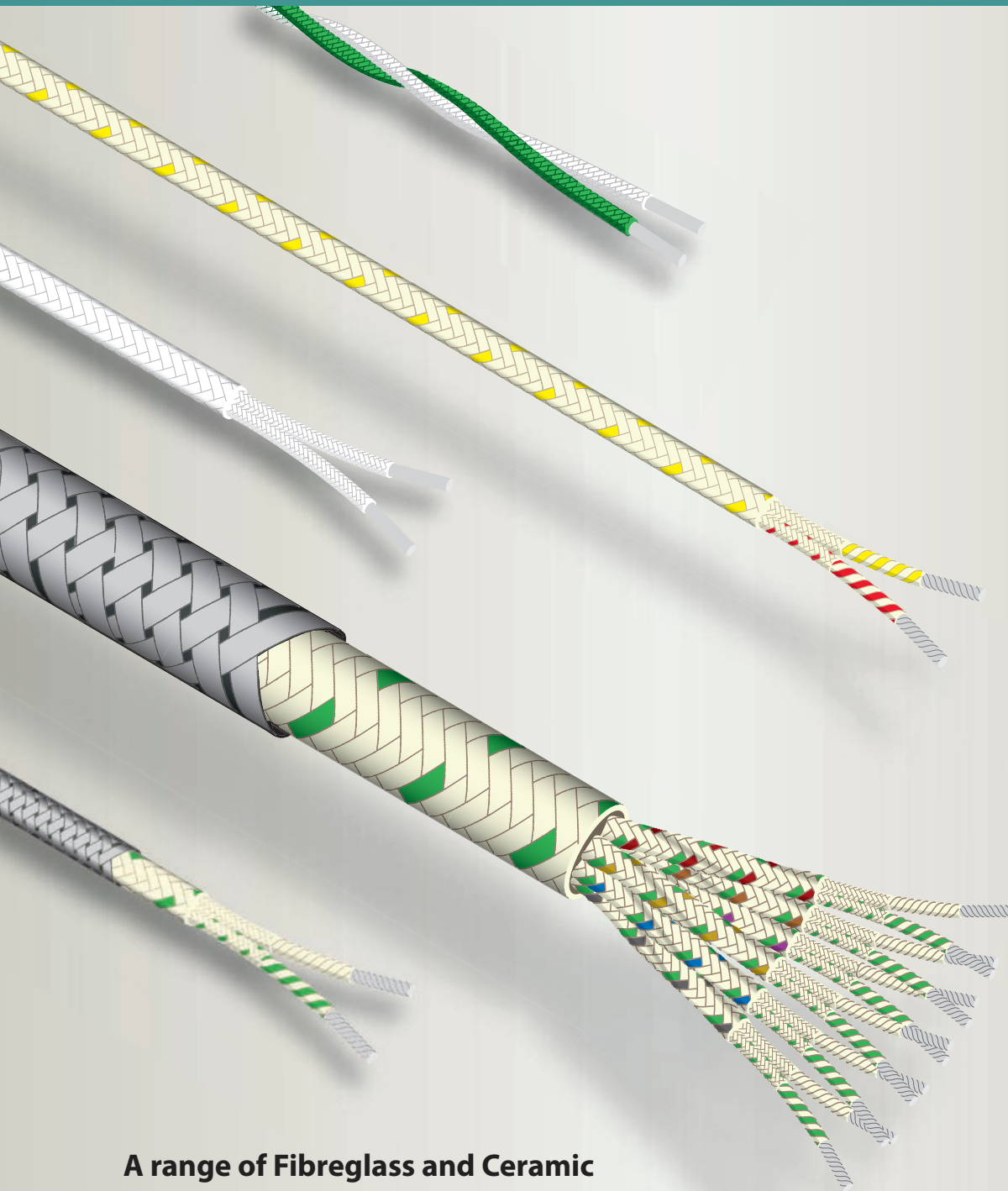




Fibreglass and Ceramic Fibre Insulated Thermocouple Cables - Single and multipairs



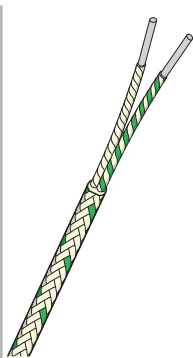
**A range of Fibreglass and Ceramic
Fibre insulated Single and Multipair
Thermocouple Cables available from
stock for immediate delivery**

Jensen Electric for Temperature Sensing, Measurement and Control

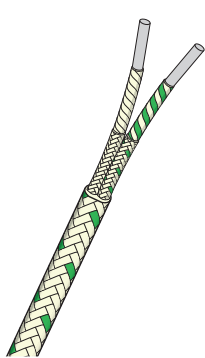
Fibreglass Insulated Single Pair Thermocouple Cable

Fibreglass Insulated Flat Twin Cables for use up to +480°C or +800°C

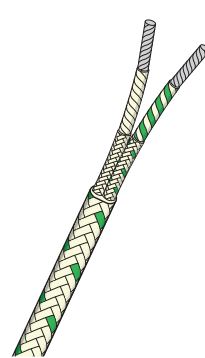
- Excellent for high temperature applications up to 480°C we also offer High Temperature Fibreglass (800°C) and Ceramic Fibre (1200°C)
- Suitable for use at normal air ambient temperatures where there is a possibility of a hot spot which might damage lower rated cables such as PVC or PFA
- Flat twin construction with either solid or stranded conductors in a range of sizes. Ideal for general purpose high temperature applications
- For Fibreglass Multipairs see page 6



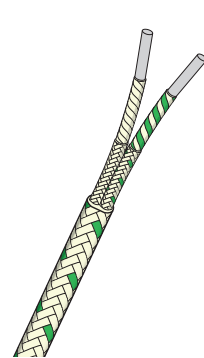
Basic Fibreglass Flat Twin
One pair of **solid** conductors. Cores double glass fibre lapped and varnished. Pair laid flat, glass fibre braided overall and varnished.



Fibreglass Flat Twin
One pair of **solid** conductors. Cores double glass fibre lapped, braided and varnished. Pair laid flat, glass fibre braided overall and varnished.



Fibreglass Flat Twin
One pair of **stranded** conductors. Cores double glass fibre lapped, braided and varnished. Pair laid flat, glass fibre braided and varnished.



High Temperature Fibreglass Flat Twin
One pair of **solid** conductors. Cores double HT glass fibre lapped, braided and varnished. Pair laid flat, glass fibre braided and varnished.

Stock Number		C05	C09	C10	C20	C30	C40	C50	C51	C52	C53	C76	C77	C70
CONDUCTORS	Conductor Style	Solid		Solid			Stranded					Solid		
	No. of Strands / Strand Diameter (mm)	1/0.2	1/0.3	1/0.3	1/0.5	1/0.8	7/0.2	13/0.2	23/0.2	32/0.2	40/0.2	1/0.5	1/0.8	1/1.29
	Total Area (mm ²)	0.03	0.07	0.07	0.2	0.5	0.22	0.44	0.75	1.0	1.3	0.2	0.5	1.3
	Total AWG (S = Stranded)	32	28	28	24	20	24S	21S	18S	17S	16S	24	20	16
PAIRS	Insulation	Fibreglass		Fibreglass			Fibreglass					High Temp. Fibreglass		
	Number of Pairs	1		1			1					1		
	Laid Flat or Twisted	Laid Flat		Laid Flat			Laid Flat					Laid Flat		
OVERALL	Screen	No		No			No					No		
	Insulation	Fibreglass		Fibreglass			Fibreglass					High Temp. Fibreglass		
	Insulation Rating (°C)	Continuous		+480			+480					+800		
		Short Term		+540			+540					—		
	Colour Coding	Yes		Yes			Yes					Yes		
	Physical Properties	Abrasion Resistance		Fair			Fair					Fair		
		Moisture Resistance		None			None					None		
		Typical Weight (Kg/100m) (excluding reel)		1	1	2	1	2	3	4	4	1	2	4
	Diameter under Armour (mm)	—		—			—					—		
	Diameter over Armour (mm)	—		—			—					—		
	Overall Diameter† (mm)	1x2	1x2	1x2	2x3	2x3	2x3	2x3	3x4	3x4	4x5	2x3	2x3	4x6
Notes		Above 180°C the integrity of the cable is maintained to the upper insulation rating limit provided the cable is not flexed particularly when cold.												

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

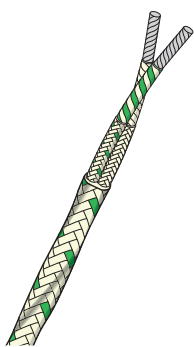
The cable constructions can also be manufactured to any other colour coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding cable lengths please let us know so that we may make a satisfactory offer to meet your needs.

Colour Codes available (other colour codes available on request)		Order Code- Example		
IEC 60584-3		Stock No.	Thermocouple Type	Colour Code
		C40	- KX	- IEC
ANSI MC96.1		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.		

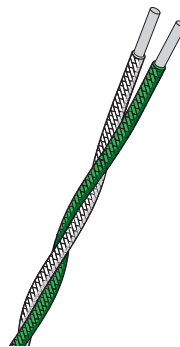
Fibreglass Insulated Single Pair Thermocouple Cable

Fibreglass Insulated Twisted Cables for use up to +480°C or +800°C

- Excellent for high temperature applications up to 480°C we also offer High Temperature Fibreglass (800°C) and Ceramic Fibre (1200°C)
- Suitable for use at normal air ambient temperatures where there is a possibility of a hot spot which might damage lower rated cables such as PVC or PFA
- Twisted construction with either solid or stranded conductors in a range of sizes. Ideal for general purpose high temperature applications or simple thermocouple sensors
- For Fibreglass Multipairs see page 6



Fibreglass Twisted Pair
One pair of **stranded** conductors. Cores double glass fibre lapped, braided and varnished. Pair twisted, glass fibre braided overall and varnished.



High Temperature Fibreglass Insulated Twisted Pair
One pair of **solid** conductors. Each conductor HT glass fibre braided and varnished. Pair varnished and twisted.

Stock Number			C37	C38	C27	
CONDUCTORS	Conductor Style		Stranded		Solid	
	No. of Strands / Strand Diameter (mm)		7/0.2	13/0.2	1/0.71	
	Total Area (mm ²)		0.22	0.44	0.4	
	Total AWG (S = Stranded)		24S	21S	21	
	Insulation		Fibreglass		High Temperature Fibreglass	
PAIRS	Number of Pairs		1		1	
	Laid Flat or Twisted		Twisted		Twisted	
	Screen		No		No	
OVERALL	Insulation		Fibreglass			
	Insulation Rating (°C)	Continuous	+480		+800	
		Short Term	540		—	
	Colour Coding		Yes		Yes	
	Physical Properties	Abrasion Resistance		Fair		Fair
		Moisture Resistance		None		None
		Typical Weight (Kg/100m) (excluding reel)		1	2	1
	Diameter under Armour (mm)		—		—	
	Diameter over Armour (mm)		—		—	
	Overall Diameter [†] (mm)		3	4	3	
Notes			Rejects electromagnetic interference. Above 180°C the integrity of the cable is maintained to the upper insulation rating limit provided the cable is not flexed particularly when cold.		Rejects electromagnetic interference. Above 180°C the integrity of the cable is maintained to the upper insulation rating limit provided the cable is not flexed particularly when cold.	

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

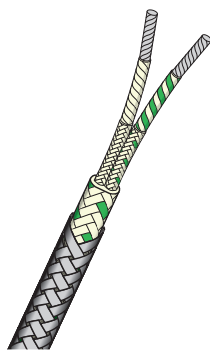
The cable constructions can also be manufactured to any other colour coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding cable lengths please let us know so that we may make a satisfactory offer to meet your needs.

Colour Codes available (other colour codes available on request)		Order Code- Example		
IEC 60584-3		Stock No.	Thermocouple Type	Colour Code
		C37	- KX	- IEC
ANSI MC96.1		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.		

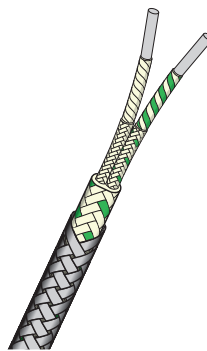
Fibreglass Insulated Single Pair Thermocouple Cable

Stainless Steel Braided Fibreglass Insulated Flat Twin Cables for use up to +480°C or +800°C

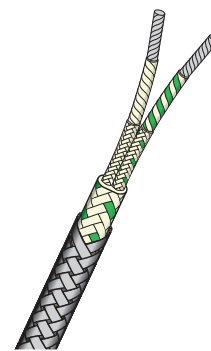
- Excellent for high temperature applications up to 480°C we also offer High Temperature Fibreglass (800°C) and Ceramic Fibre (1200°C)
- Suitable for use at normal air ambient temperatures where there is a possibility of a hot spot which might damage lower rated cables such as PVC or PFA
- Stainless Steel braided for mechanical protection
- For Fibreglass Multipairs see page 6



Fibreglass Flat Twin with Stainless Steel Braid
One pair of **stranded** conductors. Cores double glass fibre lapped, braided and varnished. Pair laid flat, glass fibre braided and varnished. Stainless steel wire braided overall.



High Temperature Fibreglass Flat Twin with Stainless Steel Braid
One pair of **solid** conductors. Cores double HT glass fibre lapped, braided and varnished. Pair laid flat, HT glass fibre braided & varnished. Stainless steel wire braided overall.



High Temperature Fibreglass Flat Twin with Stainless Steel Braid
One pair of **stranded** conductors. Cores double HT glass fibre lapped, braided and varnished. Pair laid flat, HT glass fibre braided & varnished. Stainless steel wire braided overall.

Stock Number		C60	C65	C66	C67	C68	C78	C79	C71	C80
CONDUCTORS	Conductor Style	Stranded					Solid			Stranded
	No. of Strands / Strand Diameter (mm)	7/0.2	13/0.2	23/0.2	32/0.2	40/0.2	1/0.5	1/0.8	1/1.29	13/0.2
	Total Area (mm ²)	0.22	0.44	0.75	1.0	1.3	0.2	0.5	1.3	0.44
	Total AWG (S = Stranded)	24S	21S	18S	17S	16S	24	20	16	21S
PAIRS	Insulation	Fibreglass					High Temperature Fibreglass			High Temperature Fibreglass
	Number of Pairs	1					1			1
	Laid Flat or Twisted	Laid Flat					Laid Flat			Laid Flat
OVERALL	Screen*	Yes					Yes			Yes
	Insulation	Fibreglass					High Temperature Fibreglass			High Temperature Fibreglass
	Insulation Rating (°C)	Continuous					+480			+480
		Short Term					+540			—
	Colour Coding	Yes					Yes			Yes
	Physical Properties	Abrasion Resistance					Good			Good
		Moisture Resistance					None			None
	Typical Weight (Kg/100m) (excluding reel)		2	3	4	5	5	2	3	5
	Diameter under Armour (mm)		—					—		
	Diameter over Armour (mm)		—					—		
Overall Diameter† (mm)		3x4	3x4	4x5	4x5	4x6	3x4	3x4	5x7	3x4
Notes		Above 180°C the integrity of the cable is maintained to the upper insulation rating limit provided the cable is not flexed particularly when cold.					Above 180°C the integrity of the cable is maintained to the upper insulation rating limit provided the cable is not flexed particularly when cold.			Above 180°C the integrity of the cable is maintained to the upper insulation rating limit provided the cable is not flexed particularly when cold.

* 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.

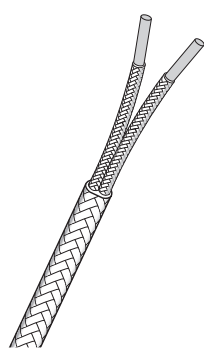
The cable constructions can also be manufactured to any other colour coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding cable lengths please let us know so that we may make a satisfactory offer to meet your needs.

Colour Codes available (other colour codes available on request)		Order Code- Example		
IEC 60584-3				
	KX	KCB	TX	JX
ANSI MC96.1				
	NX	RCA/SCA	EX	SX
		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.		

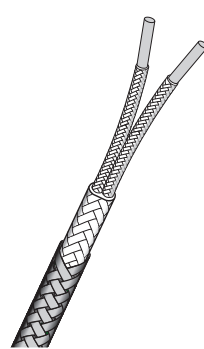
Ceramic Fibre Single Pair Thermocouple Cable

Ceramic Fibre Insulated Flat Twin Cables for use up to +1200°C

- Ceramic fibre is excellent for very high temperature applications up to 1200°C
- Suitable for use at high air ambient temperatures where fibreglass cables are not suitable
- Flat twin construction and Inconel 600 braided versions available



Ceramic Fibre Flat Twin
One pair of **solid** conductors.
Cores ceramic fibre braided.
Pair laid flat, ceramic fibre
braided overall.



Ceramic Fibre Flat Twin with
Inconel 600 Braid
One pair of **solid** conductors.
Cores ceramic fibre braided. Pair laid
flat, ceramic fibre braided overall.
Inconel 600 braid overall.

Stock Number		D20	D22
CONDUCTORS	Conductor Style	Solid	Solid
	No. of Strands / Strand Diameter (mm)	1/0.8	1/0.8
	Total Area (mm ²)	0.5	0.5
	Total AWG (S = Stranded)	20	20
	Insulation	Ceramic Fibre	Ceramic Fibre
PAIRS	Number of Pairs	1	1
	Laid Flat or Twisted	Laid Flat	Laid Flat
	Screen	No	Yes
OVERALL	Insulation	Ceramic Fibre	Ceramic Fibre
	Insulation Rating (°C)	-185 to +1200	-185 to +1200
	Colour Coding	No	No
	Physical Properties	Abrasion Resistance	Fair
		Moisture Resistance	None
		Typical Weight (Kg/100m) (excluding reel)	2
	Diameter under Armour (mm)	—	—
	Diameter over Armour (mm)	—	—
	Overall Diameter [†] (mm)	2x3	3x4
Notes		Outstanding high temperature performance. Requires free circulation of air. Do not use in a vacuum.	

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

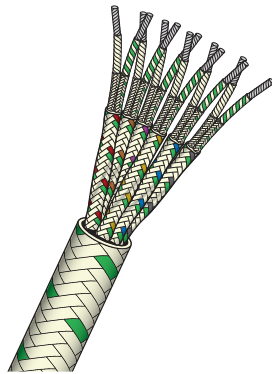
The cable constructions can also be manufactured to any other colour coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding cable lengths please let us know so that we may make a satisfactory offer to meet your needs.

Order Code- Example		
Stock No.		Thermocouple Type
D20	-	KX
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.		

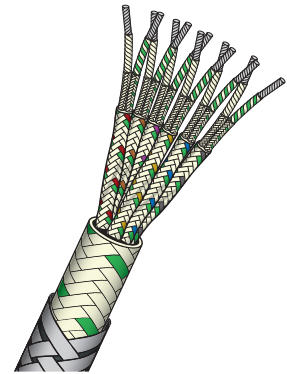
Fibreglass Insulated Multipair Thermocouple Cable

Fibreglass Insulated Multipair Cables for use up to +480°C

- Excellent for high temperature applications up to 480°C
- Suitable for use at normal air ambient temperatures where there is a possibility of a hot spot which might damage lower rated cables such as PVC or PFA
- By using multipair, the problem of having many unwieldy single pair cables is eliminated
- Available with and without stainless steel braid in the more popular conductor combinations



Fibreglass Multipair
Multipairs of **stranded** 14/0.2mm diameter conductors double glass fibre lapped, braided and varnished. Pairs twisted, glass fibre braided and varnished, bunched, braided and varnished overall.



Fibreglass Multipair with Stainless Steel Braid
Multipairs of **stranded** 14/0.2mm diameter conductors double glass fibre lapped, braided and varnished. Pairs twisted, glass fibre braided and varnished, bunched, braided and varnished with overall stainless steel braid.

Stock Number		CM1402	CM1403	CM1406	CM1412	CM1402/SSB	CM1403/SSB	CM1406/SSB	CM1412/SSB
CONDUCTORS	Conductor Style	Stranded				Stranded			
	No. of Strands / Strand Diameter (mm)	14/0.2	14/0.2	14/0.2	14/0.2	14/0.2	14/0.2	14/0.2	14/0.2
	Total Area (mm ²)	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
	Total AWG (S = Stranded)	21S	21S	21S	21S	21S	21S	21S	21S
PAIRS	Insulation	Fibreglass				Fibreglass			
	Number of Pairs	2	3	6	12	2	3	6	12
	Laid Flat or Twisted	Twisted				Twisted			
	Screen*	No				Yes			
OVERALL	Insulation	Fibreglass				Fibreglass			
	Insulation Rating (°C)	Continuous				+480			
		Short Term				+540			
	Colour Coding	Yes				Yes			
	Screen*	No				Yes			
	Physical Properties	Abrasion Resistance				Fair			
		Moisture Resistance				None			
		Typical Weight (Kg/100m) (excluding reel)				None			
	Diameter under Armour (mm)	6	9	14	22	8	12	18	27
	Diameter over Armour (mm)	—				—			
	Overall Diameter† (mm)	4	6	9	14	6	8	11	16

Notes Impregnation retained up to 180°C. Above this temperature the integrity of the cable is maintained to the upper insulation rating limit provided the cable is not flexed particularly when cold.

* 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)		Order Code- Example		
IEC 60584-3		Stock No.	Thermocouple Type	Colour Code
		CM1406	- KX	- IEC
ANSI MC96.1		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.		



Jensen Electric A/S
Gisselfeldvej 12
2665 Vallensbæk Strand
Denmark

Tel: +45 4353 0222
Email: info@jensenelectric.dk
Web: www.jensenelectric.dk

© 2026 JE
Issue Number: 2726

Jensen Electric for Temperature Sensing, Measurement and Control