



XLPE, XLPE/MICA, Silicone Rubber and Kapton® Insulated Thermocouple Cables - Single and Multipairs

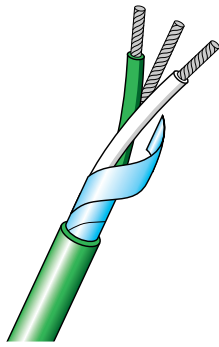


A range of XLPE (including Intrinsically Safe), XLPE/MICA, Silicone Rubber and Kapton® insulated Single and Multipair Thermocouple Cables available from stock

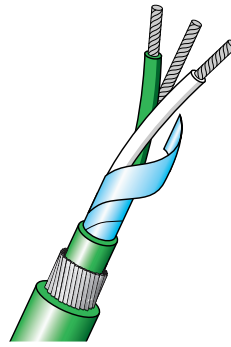
XLPE Insulated Single Pair Thermocouple Cable

Low Smoke Zero Halogen LSOH (LSZH) – XLPE Insulated Twisted with Screen -30°C to +70°C

- XLPE (Cross Linked Polyethylene) insulated cores with a Low Smoke Zero Halogen (LSOH / LSZH) outer sheath
- Ideal for situations where there is a risk of fire and the emission of smoke and gases could threaten life and property
- The acidic gas evolved during combustion is less than 0.5% in accordance with BS6425 Pt 1 1990 and IEC 60754.1: 1996



XLPE Insulated, Twisted with Screen, LSOH (LSZH) outer sheath
One pair of **stranded** conductors. Cores XLPE insulated. Pair twisted, screened with Mylar® aluminium tape and drain wire. LSOH (LSZH) sheathed overall.



XLPE insulated, Twisted with Screen and Armour, LSOH (LSZH) outer sheath
One pair of **stranded** conductors. Cores XLPE insulated. Pair twisted, screened with Mylar® aluminium tape and drain wire. LSOH (LSZH) bedded. Steel wire armoured and LSOH (LSZH) sheathed.

Stock Number		G29	G31	G94	G95
CONDUCTORS	Conductor Style	Stranded		Stranded	
	No. of Strands / Strand Diameter (mm)	16/0.2	23/0.2	16/0.2	23/0.2
	Total Area (mm ²)	0.5	0.75	0.5	0.75
	Total AWG (S = Stranded)	20S	18S	20S	18S
PAIRS	Insulation	XLPE		XLPE	
	Number of Pairs	1		1	
	Laid Flat or Twisted	Twisted		Twisted	
	Screen*	Yes		Yes	
OVERALL	Insulation	LSOH (LSZH)		LSOH (LSZH)	
	Insulation Rating (°C)	Continuous		-30 to +70	
		Short Term		+90	
	Colour Coding	Yes		Yes	
	Physical Properties	Abrasion Resistance		Good	
		Moisture Resistance		Very Good	
		Typical Weight (Kg/100m) (excluding reel)		Very Good	
	Diameter under Armour (mm)	—		5.5	6.0
	Diameter over Armour (mm)	—		7.5	8.0
	Overall Diameter [†] (mm)	6.0	6.5	10.5	11.0
Notes		Free of halogens. Round section. Rejects electromagnetic and electrostatic interference.		Free of halogens. 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.

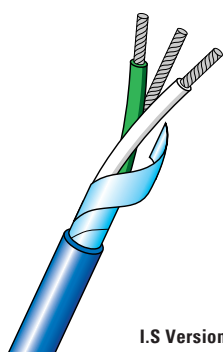
The cable constructions can also be manufactured to any other colour coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding cable lengths please let us know so that we may make a satisfactory offer to meet your needs.

IEC 60584-3	Colour Codes available (other colour codes available on request)							Order Code - Example		
								Stock No.	Thermocouple Type	Colour Code
	KX	KCB	TX	JX	NX	RCA/SCA	EX	G29	-	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.		
										
	KX	JX	TX	NX	EX	SX	RX			

XLPE Insulated Single Pair Thermocouple Cable

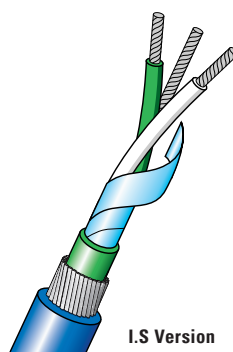
Low Smoke Zero Halogen LSOH (LSZH) – XLPE Insulated Twisted with Screen I.S Version -30°C to +70°C

- XLPE (Cross Linked Polyethylene) insulated cores with a Low Smoke Zero Halogen (LSOH / LSZH) outer sheath
- Ideal for situations where there is a risk of fire and the emission of smoke and gases could threaten life and property
- The acidic gas evolved during combustion is less than 0.5% in accordance with BS6425 Pt 1 1990 and IEC 60754.1: 1996



I.S Version

XLPE Insulated, Twisted with Screen, LSOH (LSZH) outer sheath
One pair of **stranded** conductors. Cores XLPE insulated. Pair twisted, screened with Mylar® aluminium tape and drain wire. LSOH (LSZH) sheathed overall.



I.S Version

XLPE insulated, Twisted with Screen and Armour, LSOH (LSZH) outer sheath
One pair of **stranded** conductors. Cores XLPE insulated. Pair twisted, screened with Mylar® aluminium tape and drain wire. LSOH (LSZH) bedded. Steel wire armoured and LSOH (LSZH) sheathed.

Stock Number		GS29	GS31	GS94	GS95
CONDUCTORS	Conductor Style	Stranded		Stranded	
	No. of Strands / Strand Diameter (mm)	16/0.2	23/0.2	16/0.2	23/0.2
	Total Area (mm ²)	0.5	0.75	0.5	0.75
	Total AWG (S = Stranded)	20S	18S	20S	18S
	Insulation	XLPE		XLPE	
PAIRS	Number of Pairs	1		1	
	Laid Flat or Twisted	Twisted		Twisted	
	Screen*	Yes		Yes	
OVERALL	Insulation	LSOH (LSZH)		LSOH (LSZH)	
	Insulation Rating (°C)	Continuous		-30 to +70	
		Short Term		+90	
	Colour Coding	Yes		Yes	
	Physical Properties	Abrasion Resistance		Good	
		Moisture Resistance		Very Good	
		Typical Weight (Kg/100m) (excluding reel)		19	22
	Diameter under Armour (mm)	—		5.5	6.0
	Diameter over Armour (mm)	—		7.5	8.0
	Overall Diameter† (mm)	6.0	6.5	10.5	11.0
Notes		Free of halogens. Round section. Rejects electromagnetic and electrostatic interference.		Free of halogens. 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.

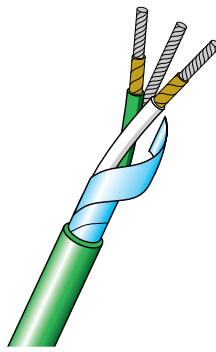
IEC 60584-3	Colour Codes available (other colour codes available on request)						Order Code - Example			
								Stock No.	Thermocouple Type	Colour Code
	KX	KCB	TX	JX	NX	RCA/SCA	EX	GS29	-	KX - IEC

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.					
	KX	JX	TX	NX	EX	SX	RX	These cables are normally available from us for immediate delivery from stock to IEC 60584-3 colour coding.				

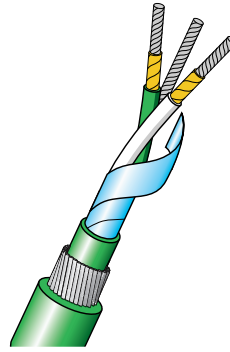
MICA/XLPE Insulated Single Pair Thermocouple Cable

Low Smoke Zero Halogen LS0H (LSZH) - Fire Resistant MICA Taped XLPE with Screen **-30°C to +70°C**

- Essential for situations where it is of strategic importance to ensure that the cable continues to function during a major crisis involving fire. Resistant to temperatures of 750°C for at least three hours in most conditions
- The cable incorporates a high temperature rated Mica glass tape with an XLPE (Cross Linked Polyethylene) insulated cores with a Low Smoke Zero Halogen (LS0H / LSZH) outer sheath.
- Sheathing materials are Halogen free



Mica Taped XLPE insulated, Twisted with Screen, LS0H (LSZH) outer sheath
One pair of **stranded** conductors Mica taped and XLPE insulated. Pair twisted. Screened with Mylar® aluminium tape and drainwire. LS0H (LSZH) sheathed.



Mica Taped XLPE insulated, Twisted with Screen & Armour, LS0H (LSZH) outer sheath
One pair of **stranded** conductors Mica taped and XLPE insulated. Pair twisted. screened with Mylar® aluminium tape and drain wire. LS0H (LSZH) bedded. Steel wire armoured and LS0H (LSZH) sheathed.

Stock Number		G98	G97	G99	G96
CONDUCTORS	Conductor Style	Stranded		Stranded	
	No. of Strands / Strand Diameter (mm)	16/0.2	23/0.2	16/0.2	23/0.2
	Total Area (mm ²)	0.5	0.75	0.5	0.75
	Total AWG (S = Stranded)	20S	18S	20S	18S
Insulation		MICA and XLPE		MICA and XLPE	
PAIRS	Number of Pairs	1		1	
	Laid Flat or Twisted	Twisted		Twisted	
	Screen*	Yes		Yes	
OVERALL	Insulation	LS0H (LSZH)		LS0H (LSZH)	
	Insulation Rating (°C)	Continuous		-30 to +70	
		Short Term		+750	
	Colour Coding	Yes		Yes	
	Physical Properties	Abrasion Resistance		Good	
		Moisture Resistance		Very Good	
		Typical Weight (Kg/100m) (excluding reel)		23	16.6
	Diameter under Armour (mm)	—		7.0	8.6
	Diameter over Armour (mm)	—		9.0	10.4
Overall Diameter [†] (mm)		7.0	8.4	12.0	13.6
Notes		Free of halogens. Round section. Rejects electromagnetic and electrostatic interference.		Free of halogens. 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.

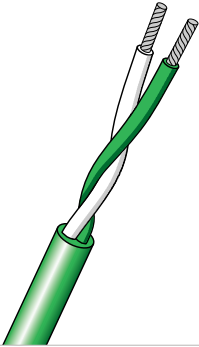
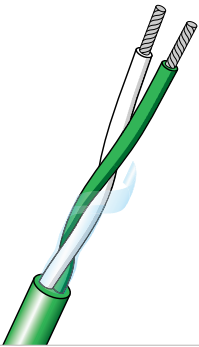
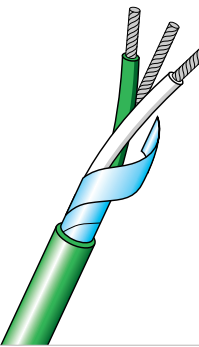
† These values are nominal and if critical to your application, please request a physical check.

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)		Order Code - Example		
IEC 60584-3	 KX  KCB  TX  JX  NX  RCA/SCA  EX	Stock No.	Thermocouple Type	Colour Code
		G98	- KX	- IEC
ANSI MC96.1	 KX  JX  TX  NX  EX  SX  RX	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.		

Silicone Rubber Insulated Thermocouple Cable

Flame Retardant Silicone Rubber Insulated Single Pairs -40°C to +200°C

■ Excellent properties for the reduced propagation of flame by incorporation of flame retardant Silicone Rubber compounds ■ Ideal for applications where, for short periods of time, the temperature can fluctuate, which would cause other cables to become inflexible and brittle.		 Flame Retardant Silicone Rubber insulated, Twisted Pair One pair of stranded conductors. Cores PFA insulated. Silicone Rubber sheathed.		 Flame Retardant Silicone Rubber insulated, Twisted Pair with Mylar® Tape One pair of stranded conductors. Cores Silicone Rubber insulated. Pair twisted and Mylar® taped. Silicone Rubber sheathed.		 Flame Retardant Silicone Rubber insulated, Twisted Pair with Screen One pair of stranded conductors. Cores FR Silicone Rubber insulated. Pair twisted, screened with Mylar® Al tape and drain wire. FR Silicone Rubber sheathed overall.	
Stock Number		SR30	SR31	SR73	SR77	SR80	
CONDUCTORS	Conductor Style	Stranded		Stranded		Stranded	
	No. of Strands / Strand Diameter (mm)	7/0.2		7/0.3		16/0.2	
	Total Area (mm²)	0.22		0.49		1.34	
	Total AWG (S = Stranded)	24S		21S		16S	
Insulation		PFA	FR Silicone Rubber	Flame Retardant Silicone Rubber		Flame Retardant Silicone Rubber	
PAIRS	Number of Pairs	1		1		1	
	Laid Flat or Twisted	Twisted		Twisted		Twisted	
	Screen	No		No		Yes	
OVERALL	Insulation	Flame Retardant Silicone Rubber		Flame Retardant Silicone Rubber		Flame Retardant Silicone Rubber	
	Insulation Rating (°C)	Continuous		-40 to +200		-40 to +200	
		Short Term		-50 to +250		-50 to +250	
	Colour Coding	Yes		Yes		Yes	
	Physical Properties	Abrasion Resistance		Good		Good	
		Moisture Resistance		Very Good		Very Good	
		Typical Weight (Kg/100m) (excluding reel)		4		8	
	Diameter under Armour (mm)	—		—		—	
Diameter over Armour (mm)		—		—		—	
Overall Diameter[†] (mm)		3.0		7.0		8.5	
Notes		Flame retardant. Round section. Rejects electromagnetic interference.		Flame retardant. Round section. Rejects electromagnetic interference.		Flame retardant. Round section. Rejects electromagnetic interference.	

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

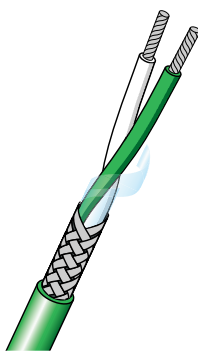
The cable constructions can also be manufactured to any other colour coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding cable lengths please let us know so that we may make a satisfactory offer to meet your needs.

Colour Codes available (other colour codes available on request)		Order Code - Example		
IEC 60584-3				
				
ANSI MC96.1				
				
		Stock No.	Thermocouple Type	Colour Code
		SR80	- 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.		

Silicone Rubber Insulated Thermocouple Cable

Flame Retardant Silicone Rubber Insulated Single Pairs -40°C to +200°C

- Excellent properties for the reduced propagation of flame by incorporation of flame retardant Silicone Rubber compounds
- Ideal for applications where, for short periods of time, the temperature can fluctuate, which would cause other cables to become inflexible and brittle.



Flame Retardant Silicone Rubber, Twisted Pair with Nickel Plated Copper Braid
One pair of stranded conductors. Cores Silicone Rubber insulated. Pair twisted and Mylar® taped with nickel plated copper braid. Silicone Rubber sheathed.

Stock Number		SR35	SR74	SR76	SR78	SR79
CONDUCTORS	Conductor Style	Stranded				
	No. of Strands / Strand Diameter (mm)	7/0.2	7/0.3	16/0.2	19/0.3	48/0.2
	Total Area (mm ²)	0.22	0.49	0.5	1.34	1.5
	Total AWG (S = Stranded)	24S	21S	20S	16S	15S
	Insulation	Flame Retardant Silicone Rubber				
PAIRS	Number of Pairs	1				
	Laid Flat or Twisted	Twisted				
	Screen*	Yes				
OVERALL	Insulation	Flame Retardant Silicone Rubber				
	Insulation Rating (°C)	Continuous				
		Short Term				
	Colour Coding	Yes				
	Physical Properties	Abrasion Resistance				
		Moisture Resistance				
		Typical Weight (Kg/100m) (excluding reel)				
	Diameter under Armour (mm)	—				
	Diameter over Armour (mm)	—				
Overall Diameter [†] (mm)	4.5	6.5	6.5	8	8	
Notes		Flame retardant. Round section. Rejects electromagnetic interference.				

* 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.

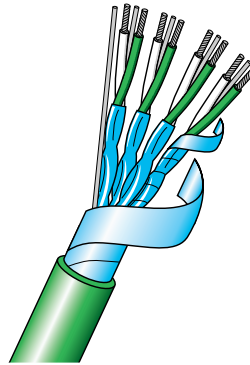
The cable constructions can also be manufactured to any other colour coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding cable lengths please let us know so that we may make a satisfactory offer to meet your needs.

Colour Codes available (other colour codes available on request)		Order Code - Example		
IEC 60584-3		Stock No.	Thermocouple Type	Colour Code
		SR74	- 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.		

Silicone Rubber Insulated Thermocouple Cable

Non Armoured Flame Retardant Silicone Rubber Insulated Multipairs -40°C to +200°C

- Extremely useful where there is a need to run a number of thermocouple signals back to instrumentation
- 16/0.2mm (0.5mm²) diameter conductors with an individual and collective screen. Cores, bedding and overall sheath in flame retardant Silicone Rubber
- Ideal for applications where, for short periods of time, the temperature can fluctuate, which would cause other cables to become inflexible and brittle.



Non Armoured Flame Retardant Silicone Rubber Multipair

Multipairs of stranded 16/0.2mm diameter conductors FR Silicone Rubber insulated. Pairs numbered, twisted and individually screened with Mylar® aluminium tape with a drainwire. Pairs laid up, overall screened with Mylar® aluminium tape with a drainwire. Flame Retardant Silicone Rubber sheathed.

Stock Number			SM3502	SM3504	SM3506	
CONDUCTORS	Conductor Style		Stranded			
	No. of Strands / Strand Diameter (mm)		16/0.2	16/0.2	16/0.2	
	Total Area (mm ²)		0.5	0.5	0.5	
	Total AWG (S = Stranded)		20S	20S	20S	
	Insulation		Flame Retardant Silicone Rubber			
PAIRS	Number of Pairs		2	4	6	
	Laid Flat or Twisted		Twisted			
	Screen*		Yes - Individually Screened Pairs			
OVERALL	Insulation		Flame Retardant Silicone Rubber			
	Insulation Rating (°C)	Continuous	-40 to +200			
		Short Term	-50 to +250			
	Colour Coding		Yes			
	Screen*		Yes - Collective, Overall Screen			
	Physical Properties	Abrasion Resistance		Good		
		Moisture Resistance		Very Good		
		Typical Weight (Kg/100m) (excluding reel)		9	13	20
	Diameter under Armour (mm)		—			
	Diameter over Armour (mm)		—			
Overall Diameter [†] (mm)		9.8	10.8	13		
Notes			Individually and collectively screened. Flame retardant silicone rubber insulated.			

* 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.

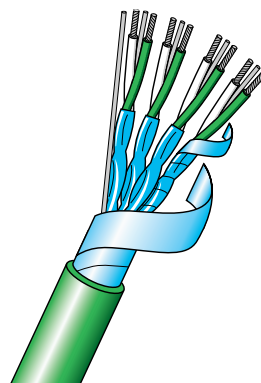
IEC 60584-3	Colour Codes available (other colour codes available on request)						Order Code - Example			
								Stock No.	Thermocouple Type	Colour Code
	KX	KCB	TX	JX	NX	RCA/SCA	EX	SM3506	-	KX - IEC
ANSI MC96.1							These cables are available for Thermocouple Types: KX, KCB, JX, TX, NX, EX, RCA or 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.		
	KX	JX	TX	NX	EX	SX	RX			

XLPE Insulated Multipair Thermocouple Cable

16/0.2mm Non Armoured Flame Retardant XLPE Insulated Multipairs **-30°C to +70°C**

The sheathing materials used are as follows:

- Halogen free
- The acidic gas which is evolved during combustion is less than 0.5% in accordance with BS6425 Pt 1 and IEC 60754 Pt 1
- The Oxygen Index Value of the overall sheath is typically not less than 30% in accordance with ISO 4589 which allow fire resistance properties



Non Armoured XLPE Multipair, LS0H (LSZH) outer sheath

Multipairs of stranded 16/0.2mm dia conductors XLPE insulated. Pairs numbered, twisted and individually screened with Mylar® aluminium tape with a drainwire. Pairs laid up, overall screened with Mylar® aluminium tape with a drainwire. LS0H (LSZH) sheathed.

Stock Number		M4502	M4504	M4506	M4508	M4512	M4516	M4520	M4524	M4536
CONDUCTORS	Conductor Style	Stranded								
	No. of Strands / Strand Diameter (mm)	16/0.2	16/0.2	16/0.2	16/0.2	16/0.2	16/0.2	16/0.2	16/0.2	16/0.2
	Total Area (mm ²)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	Total AWG (S = Stranded)	20S	20S	20S	20S	20S	20S	20S	20S	20S
	Insulation	XLPE								
PAIRS	Number of Pairs	2	4	6	8	12	16	20	24	36
	Laid Flat or Twisted	Twisted								
	Screen*	Yes - Individually Screened Pairs								
OVERALL	Insulation	LS0H (LSZH)								
	Insulation Rating (°C)	Continuous								
		-30 to +70								
	Short Term									
		+90								
	Colour Coding	Yes								
	Screen*	Yes - Collective, Overall Screen								
	Physical Properties	Abrasion Resistance								
		Good								
		Moisture Resistance								
		Very Good								
	Typical Weight (Kg/100m) (excluding reel)	11	17	23	31	45	60	74	89	120
	Diameter under Armour (mm)	—								
	Diameter over Armour (mm)	—								
	Overall Diameter† (mm)	10.5	12.5	15.2	16.1	20.4	22.8	24.9	28.4	33.2
Notes		Free of halogens. Individually and collectively screened.								

* 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.

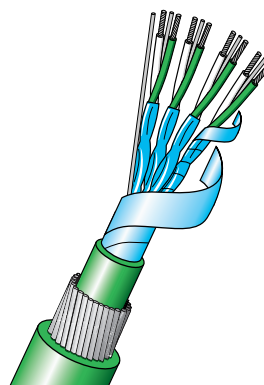
Colour Codes available (other colour codes available on request)		Order Code - Example		
IEC 60584-3		Stock No.	Thermocouple Type	Colour Code
		M4512	- KX	- IEC
ANSI MC96.1		These cables are available for Thermocouple Types: KX, KCB, JX, TX, NX, EX, RCA or SCA. Other less popular thermocouple types are available on request.		
		These cables are normally available from us for immediate delivery from stock to IEC 60584-3 colour coding.		

XLPE Insulated Multipair Thermocouple Cable

16/0.2mm Armoured Flame Retardant XLPE Insulated Multipairs -30°C to +70°C

The sheathing materials used are as follows:

- Halogen free
- The acidic gas which is evolved during combustion is less than 0.5% in accordance with BS6425 Pt 1 and IEC 60754 Pt 1
- The Oxygen Index Value of the overall sheath is typically not less than 30% in accordance with ISO 4589 which allow fire resistance properties



Armoured XLPE Multipair, LS0H (LSZH) outer sheath

Multipairs of stranded 16/0.2mm dia conductors XLPE insulated. Pairs numbered, twisted and individually screened with Mylar® aluminium tape with a drainwire. Pairs laid up, overall screened with Mylar® aluminium tape with a drainwire. XLPE bedded. Steel wire armoured and LS0H (LSZH) sheathed.

Stock Number			M4502/ SWA	M4504/ SWA	M4506/ SWA	M4508/ SWA	M4512/ SWA	M4516/ SWA	M4520/ SWA	M4524/ SWA	M4536/ SWA	
CONDUCTORS	Conductor Style		Stranded									
	No. of Strands / Strand Diameter (mm)		16/0.2	16/0.2	16/0.2	16/0.2	16/0.2	16/0.2	16/0.2	16/0.2	16/0.2	
	Total Area (mm ²)		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
	Total AWG (S = Stranded)		20S	20S	20S	20S	20S	20S	20S	20S	20S	
	Insulation		XLPE									
PAIRS	Number of Pairs		2	4	6	8	12	16	20	24	36	
	Laid Flat or Twisted		Twisted									
	Screen*		Yes - Individually Screened Pairs									
OVERALL	Insulation		LS0H (LSZH)									
	Insulation Rating (°C)	Continuous	-30 to +70									
		Short Term	+90									
	Colour Coding		Yes									
	Screen*		Yes - Collective, Overall Screen									
	Physical Properties	Abrasion Resistance		Good								
		Moisture Resistance		Very Good								
		Typical Weight (Kg/100m) (excluding reel)		35	55	68	84	112	145	168	207	265
	Diameter under Armour (mm)		10.5	12.5	15.2	16.1	20.4	22.8	24.9	28.4	33.2	
	Diameter over Armour (mm)		11.9	15.0	17.7	19.3	23.6	26.0	28.1	32.4	37.2	
Overall Diameter [†] (mm)		14.7	18.0	20.9	22.5	27.2	29.6	31.9	36.4	41.4		
Notes			Free of halogens. Individually and collectively screened. 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.

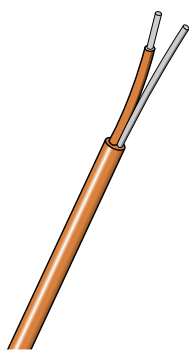
The cable constructions can also be manufactured to any other colour coding requirement that you may have, but might be subject to a minimum ordering quantity. If you have any specific requirements regarding cable lengths please let us know so that we may make a satisfactory offer to meet your needs.

Colour Codes available (other colour codes available on request)		Order Code - Example		
IEC 60584-3		Stock No.	Thermocouple Type	Colour Code
		M4502/SWA	- 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.		

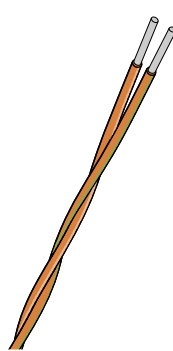
Kapton® Insulated Single Pair Thermocouple Cable

Kapton® Insulated Laid Flat and Twisted Pair Cables -75°C to +285°C

- Suitable for temperatures ranging from -75°C to +285°C
- Flame retardant with resistance to chemicals and radiation
- Excellent physical, electrical and mechanical properties over high temperatures
- Has high dielectric strength and excellent abrasion resistance



Kapton® Laid Flat Pair
One pair of **solid** conductors.
Negative leg Kapton insulated. Pair laid flat and Kapton sheathed.



Kapton® Twisted Pair
One pair of **solid** or **stranded** conductors.
Kapton insulated. Pair twisted.

Stock Number		B08	B09	B02
CONDUCTORS	Conductor Style	Solid	Solid	Stranded
	No. of Strands / Strand Diameter (mm)	1/0.25	1/0.5	7/0.2
	Total Area (mm ²)	0.05	0.2	0.22
	Total AWG (S = Stranded)	30	24	24S
	Insulation	Kapton®	Kapton®	
PAIRS	Number of Pairs	1	1	
	Laid Flat or Twisted	Laid Flat	Twisted	
	Screen	No	No	
OVERALL	Insulation		—	
	Insulation Rating (°C)	Continuous	-75 to +285	
		Short Term	+400	
	Colour Coding		No	
	Physical Properties	Abrasion Resistance	Very Good	
		Moisture Resistance	Fair	
		Typical Weight (Kg/100m) (excluding reel)	<1.0	<1.0
	Diameter under Armour (mm)		—	—
	Diameter over Armour (mm)		—	—
	Overall Diameter [†] (mm)		1.4	1.6
Notes		Egg shaped construction	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.

Order Code - Example	
Stock No.	Thermocouple Type
B08	- 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.	
These cables are normally available from us for immediate delivery from stock.	



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Issue Number: 0926