



FLEXIBLE SILICONE THERMOCOUPLE EXTENSION CABLE

IEC 60584-3 / ANSI MC96.1

20 orderable sizes

STANDARD <b>IEC 60584-3 / ANSI MC96.1</b>	VOLTAGE CLASS <b>Instrumentation signal circuit</b>	TEMPERATURE CLASS <b>-60 °C to +180 °C cable route</b>
CONDUCTOR <b>1/0.5 mm solid / 24 AWG, 7/0.2 mm stranded / 24 AWG</b>	INSULATION / JACKET <b>Flame retardant silicone rubber jacket</b>	

Construction

- 1 Conductor (per core) – Positive NiCr / negative NiAl · 1 × Ø0.5 mm
- 2 Pair insulation – Silicone rubber thermocouple insulation · Wall Silicone rubber thermocouple insulation mm
- 3 Filler – Bedding / filler
- 4 Overall screen (OS) – Al/polyester foil + drain
- 5 Sheath – Flame retardant silicone rubber jacket

Size selection — all available cross-sections

Cable reference	Thermocouple type	Cable grade	Pair layout	Conductor construction	Alloy combination	Insulation / sheath	Screen / protection	Temperature range	Tolerance class	OD guide
Silicone rubber thermocouple extension cable KX 1 pair 1/0.5 mm solid / 24 AWG	KX	Extension grade	1 pair	1/0.5 mm solid / 24 AWG	Positive NiCr / negative NiAl	Silicone rubber thermocouple insulation	Optional tinned copper braid screen by circuit requirement	-60 °C to +180 °C cable route	IEC 60584-3 Class 1 / Class 2 option	8.5 mm
Silicone rubber thermocouple extension cable KX 1 pair 7/0.2 mm stranded / 24 AWG	KX	Extension grade	1 pair	7/0.2 mm stranded / 24 AWG	Positive NiCr / negative NiAl	Silicone rubber thermocouple insulation	Optional tinned copper braid screen by circuit requirement	-60 °C to +180 °C cable route	IEC 60584-3 Class 1 / Class 2 option	8.7 mm
Silicone rubber thermocouple extension cable KX 2 pair 1/0.5 mm solid / 24 AWG	KX	Extension grade	2 pair	1/0.5 mm solid / 24 AWG	Positive NiCr / negative NiAl	Silicone rubber thermocouple insulation	Optional tinned copper braid screen by circuit requirement	-60 °C to +180 °C cable route	IEC 60584-3 Class 1 / Class 2 option	9.6 mm
Silicone rubber thermocouple extension cable KX 2 pair 7/0.2 mm stranded / 24 AWG	KX	Extension grade	2 pair	7/0.2 mm stranded / 24 AWG	Positive NiCr / negative NiAl	Silicone rubber thermocouple insulation	Optional tinned copper braid screen by circuit requirement	-60 °C to +180 °C cable route	IEC 60584-3 Class 1 / Class 2 option	9.8 mm
Silicone rubber thermocouple extension cable JX 1 pair 1/0.5 mm solid / 24 AWG	JX	Extension grade	1 pair	1/0.5 mm solid / 24 AWG	Positive iron / negative constantan	Silicone rubber thermocouple insulation	Optional tinned copper braid screen by circuit requirement	-60 °C to +180 °C cable route	IEC 60584-3 Class 1 / Class 2 option	8.5 mm
Silicone rubber thermocouple	JX	Extension grade	1 pair	7/0.2 mm stranded /	Positive iron /	Silicone rubber	Optional tinned	-60 °C to +180 °C	IEC 60584-3	8.7 mm

Cable reference	Thermocouple type	Cable grade	Pair layout	Conductor construction	Alloy combination	Insulation / sheath	Screen / protection	Temperature range	Tolerance class	OD guide
extension cable JX 1 pair 7/0.2 mm stranded / 24 AWG				24 AWG	negative constantan	thermocouple insulation	copper braid screen by circuit requirement	cable route	Class 1 / Class 2 option	
Silicone rubber thermocouple extension cable JX 2 pair 1/0.5 mm solid / 24 AWG	JX	Extension grade	2 pair	1/0.5 mm solid / 24 AWG	Positive iron / negative constantan	Silicone rubber thermocouple insulation	Optional tinned copper braid screen by circuit requirement	-60 °C to +180 °C cable route	IEC 60584-3 Class 1 / Class 2 option	9.6 mm
Silicone rubber thermocouple extension cable JX 2 pair 7/0.2 mm stranded / 24 AWG	JX	Extension grade	2 pair	7/0.2 mm stranded / 24 AWG	Positive iron / negative constantan	Silicone rubber thermocouple insulation	Optional tinned copper braid screen by circuit requirement	-60 °C to +180 °C cable route	IEC 60584-3 Class 1 / Class 2 option	9.8 mm
Silicone rubber thermocouple extension cable TX 1 pair 1/0.5 mm solid / 24 AWG	TX	Extension grade	1 pair	1/0.5 mm solid / 24 AWG	Positive copper / negative constantan	Silicone rubber thermocouple insulation	Optional tinned copper braid screen by circuit requirement	-60 °C to +180 °C cable route	IEC 60584-3 Class 1 / Class 2 option	8.5 mm
Silicone rubber thermocouple extension cable TX 1 pair 7/0.2 mm stranded / 24 AWG	TX	Extension grade	1 pair	7/0.2 mm stranded / 24 AWG	Positive copper / negative constantan	Silicone rubber thermocouple insulation	Optional tinned copper braid screen by circuit requirement	-60 °C to +180 °C cable route	IEC 60584-3 Class 1 / Class 2 option	8.7 mm
Silicone rubber thermocouple extension cable TX 2 pair 1/0.5 mm solid / 24 AWG	TX	Extension grade	2 pair	1/0.5 mm solid / 24 AWG	Positive copper / negative constantan	Silicone rubber thermocouple insulation	Optional tinned copper braid screen by circuit requirement	-60 °C to +180 °C cable route	IEC 60584-3 Class 1 / Class 2 option	9.6 mm
Silicone rubber thermocouple extension cable TX 2 pair 7/0.2 mm stranded / 24 AWG	TX	Extension grade	2 pair	7/0.2 mm stranded / 24 AWG	Positive copper / negative constantan	Silicone rubber thermocouple insulation	Optional tinned copper braid screen by circuit requirement	-60 °C to +180 °C cable route	IEC 60584-3 Class 1 / Class 2 option	9.8 mm
Silicone rubber thermocouple extension cable EX 1 pair 1/0.5 mm solid / 24 AWG	EX	Extension grade	1 pair	1/0.5 mm solid / 24 AWG	Positive NiCr / negative constantan	Silicone rubber thermocouple insulation	Optional tinned copper braid screen by circuit requirement	-60 °C to +180 °C cable route	IEC 60584-3 Class 1 / Class 2 option	8.5 mm
Silicone rubber thermocouple extension cable EX 1 pair 7/0.2 mm stranded / 24 AWG	EX	Extension grade	1 pair	7/0.2 mm stranded / 24 AWG	Positive NiCr / negative constantan	Silicone rubber thermocouple insulation	Optional tinned copper braid screen by circuit requirement	-60 °C to +180 °C cable route	IEC 60584-3 Class 1 / Class 2 option	8.7 mm
Silicone rubber thermocouple extension cable EX 2 pair 1/0.5 mm solid / 24 AWG	EX	Extension grade	2 pair	1/0.5 mm solid / 24 AWG	Positive NiCr / negative constantan	Silicone rubber thermocouple insulation	Optional tinned copper braid screen by circuit requirement	-60 °C to +180 °C cable route	IEC 60584-3 Class 1 / Class 2 option	9.6 mm

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Silicone rubber thermocouple extension cable EX 2 pair 7/0.2 mm stranded / 24 AWG	EX	Extension grade	2 pair	7/0.2 mm stranded / 24 AWG	Positive NiCr / negative constantan	Silicone rubber thermocouple insulation	Optional tinned copper braid screen by circuit requirement	-60 °C to +180 °C cable route	IEC 60584-3 Class 1 / Class 2 option	9.8 mm
Silicone rubber thermocouple extension cable NX 1 pair 1/0.5 mm solid / 24 AWG	NX	Extension grade	1 pair	1/0.5 mm solid / 24 AWG	Positive nicrosil / negative nilsil	Silicone rubber thermocouple insulation	Optional tinned copper braid screen by circuit requirement	-60 °C to +180 °C cable route	IEC 60584-3 Class 1 / Class 2 option	8.5 mm
Silicone rubber thermocouple extension cable NX 1 pair 7/0.2 mm stranded / 24 AWG	NX	Extension grade	1 pair	7/0.2 mm stranded / 24 AWG	Positive nicrosil / negative nilsil	Silicone rubber thermocouple insulation	Optional tinned copper braid screen by circuit requirement	-60 °C to +180 °C cable route	IEC 60584-3 Class 1 / Class 2 option	8.7 mm
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