



SCREENED TYPE K EXTENSION CABLE

IEC 60584-3

12 orderable sizes

STANDARD <b>IEC 60584-3</b>	VOLTAGE CLASS <b>250 V instrumentation circuit</b>	TEMPERATURE CLASS <b>-20 °C to +60 °C cable route</b>
CONDUCTOR <b>1/0.5 mm solid / 24 AWG, 7/0.2 mm stranded / 24 AWG</b>	INSULATION / JACKET <b>FR PVC outer sheath</b>	

Construction

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

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
Type KX PVC overall screened 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	Flame retardant PVC thermocouple insulation	Al/PET overall tape screen with tinned copper drain wire	-20 °C to +60 °C cable route	IEC 60584-3 Class 1 / Class 2 option	8.2 mm
Type KX PVC overall screened 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	Flame retardant PVC thermocouple insulation	Al/PET overall tape screen with tinned copper drain wire	-20 °C to +60 °C cable route	IEC 60584-3 Class 1 / Class 2 option	8.4 mm
Type KX PVC overall screened 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	Flame retardant PVC thermocouple insulation	Al/PET overall tape screen with tinned copper drain wire	-20 °C to +60 °C cable route	IEC 60584-3 Class 1 / Class 2 option	9.3 mm
Type KX PVC overall screened 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	Flame retardant PVC thermocouple insulation	Al/PET overall tape screen with tinned copper drain wire	-20 °C to +60 °C cable route	IEC 60584-3 Class 1 / Class 2 option	9.5 mm
Type KX PVC overall screened thermocouple extension cable KX 4 pair 1/0.5 mm solid / 24 AWG	KX	Extension grade	4 pair	1/0.5 mm solid / 24 AWG	Positive NiCr / negative NiAl	Flame retardant PVC thermocouple insulation	Al/PET overall tape screen with	-20 °C to +60 °C cable route	IEC 60584-3 Class 1 / Class 2 option	10.8 mm

Cable reference	Thermocouple type	Cable grade	Pair layout	Conductor construction	Alloy combination	Insulation / sheath	Screen / protection	Temperature range	Tolerance class	OD guide
							tinned copper drain wire			
Type KX PVC overall screened thermocouple extension cable KX 4 pair 7/0.2 mm stranded / 24 AWG	KX	Extension grade	4 pair	7/0.2 mm stranded / 24 AWG	Positive NiCr / negative NiAl	Flame retardant PVC thermocouple insulation	Al/PET overall tape screen with tinned copper drain wire	-20 °C to +60 °C cable route	IEC 60584-3 Class 1 / Class 2 option	11.0 mm
Type KX PVC overall screened thermocouple extension cable KX 8 pair 1/0.5 mm solid / 24 AWG	KX	Extension grade	8 pair	1/0.5 mm solid / 24 AWG	Positive NiCr / negative NiAl	Flame retardant PVC thermocouple insulation	Al/PET overall tape screen with tinned copper drain wire	-20 °C to +60 °C cable route	IEC 60584-3 Class 1 / Class 2 option	13.0 mm
Type KX PVC overall screened thermocouple extension cable KX 8 pair 7/0.2 mm stranded / 24 AWG	KX	Extension grade	8 pair	7/0.2 mm stranded / 24 AWG	Positive NiCr / negative NiAl	Flame retardant PVC thermocouple insulation	Al/PET overall tape screen with tinned copper drain wire	-20 °C to +60 °C cable route	IEC 60584-3 Class 1 / Class 2 option	13.1 mm
Type KX PVC overall screened thermocouple extension cable KX 12 pair 1/0.5 mm solid / 24 AWG	KX	Extension grade	12 pair	1/0.5 mm solid / 24 AWG	Positive NiCr / negative NiAl	Flame retardant PVC thermocouple insulation	Al/PET overall tape screen with tinned copper drain wire	-20 °C to +60 °C cable route	IEC 60584-3 Class 1 / Class 2 option	14.7 mm
Type KX PVC overall screened thermocouple extension cable KX 12 pair 7/0.2 mm stranded / 24 AWG	KX	Extension grade	12 pair	7/0.2 mm stranded / 24 AWG	Positive NiCr / negative NiAl	Flame retardant PVC thermocouple insulation	Al/PET overall tape screen with tinned copper drain wire	-20 °C to +60 °C cable route	IEC 60584-3 Class 1 / Class 2 option	14.8 mm
Type KX PVC overall screened thermocouple extension cable KX 24 pair 1/0.5 mm solid / 24 AWG	KX	Extension grade	24 pair	1/0.5 mm solid / 24 AWG	Positive NiCr / negative NiAl	Flame retardant PVC thermocouple insulation	Al/PET overall tape screen with tinned copper drain wire	-20 °C to +60 °C cable route	IEC 60584-3 Class 1 / Class 2 option	18.4 mm
Type KX PVC overall screened thermocouple extension cable KX 24 pair 7/0.2 mm stranded / 24 AWG	KX	Extension grade	24 pair	7/0.2 mm stranded / 24 AWG	Positive NiCr / negative NiAl	Flame retardant PVC thermocouple insulation	Al/PET overall tape screen with tinned copper drain wire	-20 °C to +60 °C cable route	IEC 60584-3 Class 1 / Class 2 option	18.5 mm