



SCREENED TYPE J EXTENSION CABLE

IEC 60584-3

10 orderable sizes

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

Construction

- 1 ■ Conductor (per core) – Positive iron / negative constantan · 7 × Ø0.2 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 JX PVC overall screened 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	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 JX PVC overall screened thermocouple extension cable JX 1 pair 7/0.2 mm stranded / 24 AWG	JX	Extension grade	1 pair	7/0.2 mm stranded / 24 AWG	Positive iron / negative constantan	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 JX PVC overall screened 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	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 JX PVC overall screened 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	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 JX PVC overall screened thermocouple extension cable JX 4 pair 1/0.5 mm solid / 24 AWG	JX	Extension grade	4 pair	1/0.5 mm solid / 24 AWG	Positive iron / negative constantan	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 JX PVC overall screened thermocouple extension cable JX 4 pair 7/0.2 mm stranded / 24 AWG	JX	Extension grade	4 pair	7/0.2 mm stranded / 24 AWG	Positive iron / negative constantan	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 JX PVC overall screened thermocouple extension cable JX 8 pair 1/0.5 mm solid / 24 AWG	JX	Extension grade	8 pair	1/0.5 mm solid / 24 AWG	Positive iron / negative constantan	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 JX PVC overall screened thermocouple extension cable JX 8 pair 7/0.2 mm stranded / 24 AWG	JX	Extension grade	8 pair	7/0.2 mm stranded / 24 AWG	Positive iron / negative constantan	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 JX PVC overall screened thermocouple extension cable JX 12 pair 1/0.5 mm solid / 24 AWG	JX	Extension grade	12 pair	1/0.5 mm solid / 24 AWG	Positive iron / negative constantan	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 JX PVC overall screened thermocouple extension cable JX 12 pair 7/0.2 mm stranded / 24 AWG	JX	Extension grade	12 pair	7/0.2 mm stranded / 24 AWG	Positive iron / negative constantan	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