



**Part Number:** 3112A

Thermocouple Extension, (1 pr) 20 AWG Solid Type KX, PVC/PVC, Foil Shld, CMG

## Product Description

One 20 AWG pair solid Type KX conductors, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Pairs
20	Solid	Chromel & Alumel	1
<b>Total Number of Conductors:</b>			2

#### Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.016 in

#### Color Chart 1:

Number	Color
1	Yellow & Red

#### Stranding:

Lay Length	Twists
2 in	6 twist/ft

## Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	22	7x28 mm

## Outerjacket 1:

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.206 in	Yes

<b>Print Legend:</b>	BELDEN 3112A E34972 1PR20 THCPLEXTN KX SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES OR AWM 2464 80C 300V OR C(UL) CMG ---- FT4 IEEE1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET
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## Electrical Characteristics

### Conductor DCR:

Element	Nominal Conductor DCR	Nominal Outer Shield DCR
CHROMEL	400.4 Ohm/1000ft	10.6 Ohm/1000ft
ALUMEL	161.1 Ohm/1000ft	

## Use

Max Recommended Pulling Tension:	40 lbs
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## Safety

UL Flammability:	UL1685 FT4 Loading
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## Temperature Range

Non-UL Temp Rating:	105°C
Operating Temp Range:	-30°C To +105°C

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.1 in
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## Part Number

Plenum (Y/N):	No
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## Standards

ANSI Compliance:	ANSI Specification
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<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	CA Prop 65 (CJ for Wire & Cable)
<b>CEC/C(UL) Specification:</b>	CEC/C(UL) Specification
<b>CSA AWM Specification:</b>	CSA Specification
<b>IEEE Specification:</b>	IEEE Specification
<b>MII Order #39 (China RoHS):</b>	MII Order #39 (China RoHS)
<b>EU Directive Compliance:</b>	EU Directive 2003/11/EC (BFR)
<b>EU CE Mark:</b>	EU CE Mark

## History

<b>Notes:</b>	Chromel & Alumel - "Chromel and Alumel are Hoskins Manufacturing Company trademarks."
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## Product Variants

Part Number	Color	Put-Up Type	Length
3112A 0041000	YELLOW	Reel	1000 ft
3112A 0045000	YELLOW	Reel	5000 ft

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