



**Part Number:** 83952

Thermocouple Extension, (1 pr) 20 AWG (7x28) Type KX, FEP/FEP, Foil Shld, PLTC, High-Temp

## Product Description

One 20 AWG pair stranded (7x28) Type KX conductors, fluorinated ethylene propylene (FEP) insulation, overall Beldfoil® shield (100% coverage), fluorinated ethylene propylene (FEP) jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Pairs
20	7x28	Chromel & Alumel	1
Total Number of Conductors:			2

#### Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.01 in

#### Color Chart 1:

Number	Color
1	Yellow & Red

#### Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	Beldfoil®	100 %	TC - Tinned Copper	22	7x30 mm

### Outerjacket 1:

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	0.145 in

Print Legend:	BELDEN 83952 E34972 1PR20 SHIELDED (UL) CL3P 200C PLTC SUN RES THCPL EXTN KX (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET
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## Electrical Characteristics

### Conductor DCR:

Element	Nominal Conductor DCR	Nominal Outer Shield DCR
CHROMEL	387 Ohm/1000ft	12 Ohm/1000ft
ALUMEL	156 Ohm/1000ft	

## Use

## Safety

UL Flammability:	UL910 Steiner Tunnel
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## Temperature Range

Non-UL Temp Rating:	200°C
Operating Temp Range:	-70°C To +200°C

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	1.5 in
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## Part Number

Plenum (Y/N):	Yes
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## Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
IMSA Specification:	IMSA Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

## History

Notes:	Chromel & Alumel = "Chromel and Alumel are Hoskins Manufacturing Company trademarks."
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## Product Variants

Part Number	Color	Put-Up Type	Length
83952 0041000	YELLOW	Reel	1000 ft
83952 0045000	YELLOW	Reel	5000 ft
83952 004500	YELLOW	Reel	500 ft

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