



**Part Number:** 83951

Thermocouple Extension, (1 pr) 16 AWG (7x24) Type JX, FEP/FEP, Foil Shld, PLTC, High-Temp

## Product Description

One 16 AWG pair stranded (7x24) Type JX 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
16	7x24	Iron & Constantan	1
<b>Total Number of Conductors:</b>			2

#### Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.01 in

#### Color Chart 1:

Number	Color
1	White & 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	18	7x26 mm

### Outerjacket 1:

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	0.189 in

<b>Print Legend:</b>	BELDEN 83951 E34972 1PR16 SHIELDED (UL) CL3P 200C PLTC SUN RES THCPL EXTN JX (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET
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## Electrical Characteristics

### Conductor DCR:

Element	Nominal Conductor DCR	Nominal Outer Shield DCR
IRON	23 Ohm/1000ft	5.6 Ohm/1000ft
CONSTANTAN	113 Ohm/1000ft	

## Use

### Safety

<b>UL Flammability:</b>	UL910 Steiner Tunnel
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### Temperature Range

<b>Non-UL Temp Rating:</b>	200°C
<b>Operating Temp Range:</b>	-70°C To +200°C

### Mechanical Characteristics

<b>Min Bend Radius/Minor Axis:</b>	2 in
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### Part Number

<b>Plenum (Y/N):</b>	Yes
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### Standards

<b>ANSI Compliance:</b>	ANSI Specification
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	CA Prop 65 (CJ for Wire & Cable)
<b>MII Order #39 (China RoHS):</b>	MII Order #39 (China RoHS)
<b>NEC/(UL) Specification:</b>	NEC/(UL) Specification

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

## History

## Product Variants

Part Number	Color	Put-Up Type	Length
83951 0101000	BLACK	Reel	1000 ft
83951 010500	BLACK	Reel	500 ft

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