



**Part Number:** 83915

Thermocouple, (2) 20 AWG Solid Type E, FEP/FEP, PLTC, High-Temp

## Product Description

Two 20 AWG solid Type E conductors, fluorinated ethylene propylene (FEP) insulation, fluorinated ethylene propylene (FEP) jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

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

#### Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.01 in

#### Outersheild 1:

Material
Unshielded

#### Outerjacket 1:

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	0.076 x 0.128 in

<b>Print Legend:</b>	BELDEN 83915 E34972 2C20 (UL) CL3P 200C PLTC SUN RES THCPL E (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET
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## Electrical Characteristics

### Conductor DCR:

Element	Nominal Conductor DCR
CHROMEL	420 Ohm/1000ft
CONSTANTAN	308 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>	1.25 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

**Notes:**

Chromel & Constantan = "Constantan is a Hoskins Manufacturing Company trademark."

## Product Variants

Part Number	Color	Put-Up Type	Length
83915 0011000	BROWN	Reel	1000 ft
83915 001500	BROWN	Reel	500 ft

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