



**Part Number:** 83900

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

## Product Description

Two 20 AWG solid Type J 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	Iron	1
20	Solid	Constantan	1
Total Number of Conductors:			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

Print Legend:	BELDEN 83900 E34972 2C20 (UL) CL3P 200C PLTC SUN RES THCPL J (2 FT., 7 DIGIT SEQUENTIAL NUMBER) FEET
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## Electrical Characteristics

### Conductor DCR:

Element	Nominal Conductor DCR
IRON	62 Ohm/1000ft
CONSTANTAN	308 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:	1.25 in
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## Part Number

Plenum (Y/N):	Yes
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## Standards

ANSI Compliance:	ANSI Specification
CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
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

# Product Variants

Part Number	Color	Put-Up Type	Length
83900 0011000	BROWN	Reel	1000 ft
83900 001100	BROWN	Reel	100 ft
83900 001500	BROWN	Reel	500 ft

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