



**Product:** [83900](#)

Type J Thermocouple, 1 Pr #20 Sol, FEP Ins Wht, Red, Brn FEP Jkt, 300V CL3P 200C PLTC SUN RES

[Request Sample](#)

## Product Description

Type J Thermocouple, 1 Pair 20AWG (Solid) Iron+Constantan, FEP Insulation Wht, Red Color Code, Brown FEP Outer Jacket, CL3P 200C PLTC SUN RES

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
20	Solid	Iron & Constantan	1

Conductor Count:

#### Insulation

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.01 in

#### Color Chart

Number	Color
Iron	White
Constantan	Red

#### Outer Shield Material

Material
No Shield

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.076 x 0.128 in	0.012 in

### Electrical Characteristics

#### Conductor DCR

Element	Nominal Conductor DCR
Iron	62 Ohm/1000ft
	308 Ohm/1000ft

#### Temperature Range

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

### Mechanical Characteristics

Bulk Cable Weight:	13 lbs/1000ft
Min Bend Radius/Minor Axis:	1.25 in

### Standards

NEC/(UL) Compliance:	CL3P, PLTC
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Data Category:	MC 96.1-1982 Type J
ANSI Compliance:	MC 96.1-1982 Type J

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Sunlight Resistance:	Yes
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## Flammability, LSOH, Toxicity Testing

UL Flammability:	NFPA 262, UL 910 (Plenum)
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	Yes
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## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC
83900 001100	Brown	Reel	100 ft	612825205821
83900 001500	Brown	Reel	500 ft	612825205845
83900 0011000	Brown	Reel	1,000 ft	612825205838

Footnote:	C - CRATE REEL PUT-UP.
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## History

Update and Revision:	Revision Number: 0.304 Revision Date: 07-09-2020
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