

## 83900 Multi-Conductor - High-Temperature Thermocouple Wire



For more Information  
please call

1-800-Belden1



### Description:

20 AWG solid conductors, FEP insulation, unshielded, FEP jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
1	20	Solid	Iron
1	20	Solid	Constantan

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (in.)
FEP - Fluorinated Ethylene Propylene	.010

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

#### Overall Cable

Overall Nominal Diameter: 0.076 x 0.128 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 13 lbs/1000 ft.

Min. Bend Radius (Install)/Minor Axis: 1.250 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: PLTC, CL3P

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

## 83900 Multi-Conductor - High-Temperature Thermocouple Wire

**ANSI Specification:** MC 96.1-1982 Type J

### Flame Test

**UL Flame Test:** UL910 Steiner Tunnel

### Plenum/Non-Plenum

**Plenum (Y/N):** Yes

### Surface Printing (Overall)

### Electrical Characteristics (Overall)

#### Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
IRON	62
CONSTANTAN	308

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83900 001100	100 FT	2.000 LB	BROWN		2#20 TYPE J THERMOCOUPLE
83900 0011000	1,000 FT	14.000 LB	BROWN	C	2#20 TYPE J THERMOCOUPLE
83900 001500	500 FT	7.000 LB	BROWN		2#20 TYPE J THERMOCOUPLE

#### Notes:

C = CRATE REEL PUT-UP.

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