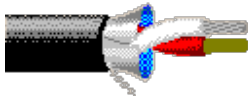


## 83950 Multi-Conductor - High-Temperature Thermocouple Extension Cable

For more Information  
please call

1-800-Belden1



### Description:

20 AWG stranded (7x28) conductors, FEP insulation, overall Beldfoil® shield (100% coverage), FEP jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	7x28	Iron & Constantan	

#### Insulation

##### Insulation Material:

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

#### Outer Shield

##### Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100

##### Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
20	7x30	TC - Tinned Copper	

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

#### Overall Cable

Overall Nominal Diameter: 0.145 in.

#### Pair

##### Pair Color Code Chart:

Number	Color
1	White & Red

### Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 18 lbs/1000 ft.

Min. Bend Radius (Install)/Minor Axis: 1.500 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

## 83950 Multi-Conductor - High-Temperature Thermocouple Extension Cable

<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes
<b>ANSI Specification:</b>	MC 96.1-1982 Type JX

### Flame Test

<b>UL Flame Test:</b>	UL910 Steiner Tunnel
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### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	Yes
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### Surface Printing (Overall)

### Electrical Characteristics (Overall)

#### Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
IRON	57
CONSTANTAN	283

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
12

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83950 0101000	1,000 FT	18.000 LB	BLACK	C	2#20TYPE JX THERMOCOUPLE
83950 010500	500 FT	9.500 LB	BLACK	C	2#20TYPE JX THERMOCOUPLE

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1    Revision Date: 05-14-2007

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.