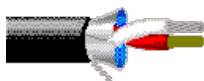


## 83950 Multi-Conductor - High-Temperature Thermocouple Extension Cable



For more Information  
please call

1-800-Belden1

**General 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	

Total Number of Conductors: 2

**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/Minor Axis: 1.500 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC(UL) Specification: PLTC, CL3P

EU Directive 2011/65/EU (ROHS II): Yes

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

MIL Order #39 (China RoHS): Yes

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

ANSI Specification:	MC 96.1-1982 Type JX
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**Flame Test**

UL Flame Test:	UL910 Steiner Tunnel
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**Plenum/Non-Plenum**

Plenum (Y/N):	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

**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 0105000	500 FT	9.500 LB	BLACK	C	2#20TYPE JX THERMOCOUPLE
83950 0105000	5,000 FT	85.000 LB	BLACK	C Z	2#20TYPE JX THERMOCOUPLE

**Notes:**

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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

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