

**83954 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. (mm)
1	20	7x28	Copper & Constantan	

Total Number of Conductors: 2

**Insulation****Insulation Material:**

Insulation Material	Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.254

**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
22	7x30	TC - Tinned Copper

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

**Overall Cable**

Overall Nominal Diameter: 3.683 mm

**Pair****Pair Color Code Chart:**

Number	Color
1	Blue & Red

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-70°C To +200°C
Non-UL Temperature Rating:	200°C
Bulk Cable Weight:	26.788 Kg/Km
Min. Bend Radius/Minor Axis:	38.100 mm

**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

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<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<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 TX

**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)**

<b>Surface Printing:</b>	BELDEN 83954 E34972 1PR20 SHIELDED (UL) CL3P 200C PLTC SUN RES THCPL EXTN TX (2 FT., 7 DIGIT SEQUENTIAL NUMBER) FEET
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**Electrical Characteristics (Overall)****Nom. Conductor DC Resistance:**

Description	DCR @ 20°C (Ohm/km)
COPPER	32.81
CONSTANTAN	928.523

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/km)
39.372

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83954 0061000	1,000 FT	18.000 LB	BLUE, LIGHT	C	2#20TYPE TX THERMOCOUPLE

**Notes:**

C = CRATE REEL PUT-UP.

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