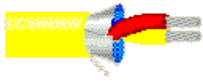


## 83953 Multi-Conductor - High-Temperature Thermocouple Extension Cable



For more Information  
please call

1-800-Belden1



### General Description:

16 AWG pairs stranded (7x24) conductors, overall Beldfoil shield (100% coverage), FEP insulation, FEP jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	16	7x24	Chromel & Alumel

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
18	7x26	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

#### Overall Cable

Overall Nominal Diameter: 0.187 in.

#### Pair

Pair Color Code Chart:

Number	Color
1	Yellow & Red

### Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 36 lbs/1000 ft.

Min. Bend Radius/Minor Axis: 2 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

ENGLISH MEASUREMENT VERSION

## 83953 Multi-Conductor - High-Temperature Thermocouple Extension Cable

Mil Order #39 (China RoHS):	Yes
ANSI Specification:	MC 96.1-1982 Type KX

### 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)
CHROMEL	154
ALUMEL	62

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
5.6

### Notes (Overall)

**Notes:** Chromel & Alumel = "Chromel and Alumel are Hoskins Manufacturing Company trademarks."

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83953 0041000	1,000 FT	34.000 LB	YELLOW	C	2#16TYPE KX THERMOCOUPLE
83953 004500	500 FT	18.000 LB	YELLOW	C	2#16TYPE KX THERMOCOUPLE

#### Notes:

C = CRATE REEL PUT-UP.

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

© 2016 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.