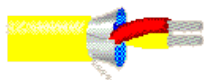


## 83953 Multi-Conductor - High-Temperature Thermocouple Extension Cable



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

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

### 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)
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

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