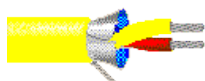


83952 Multi-Conductor - High-Temperature Thermocouple Extension Cable



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
1	20	7x28	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
22	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	Yellow & 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

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IMSA Specification:	MC 96.1-1982 Type KX
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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)
CHROMEL	387
ALUMEL	156

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
12

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
83952 0041000	1,000 FT	18.000 LB	YELLOW	C	2#20TYPE KX THERMOCOUPLE
83952 004500	500 FT	9.500 LB	YELLOW	C	2#20TYPE KX THERMOCOUPLE
83952 0045000	5,000 FT	85.000 LB	YELLOW	C Z	2#20TYPE KX 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: 06-03-2011

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