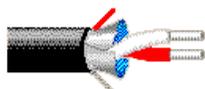


## 3111A Multi-Conductor - Thermocouple Extension Cable



For more Information  
please call

1-800-Belden1



### General Description:

20 AWG pairs solid conductors, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	Solid	Iron & Constantan	

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)	Dia. (in.)
PVC - Polyvinyl Chloride	0.021	0.074

#### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	7x28	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 0.226 in.

#### Pair

Pair Color Code Chart:

Number	Color
1	White & Red

Pair Lay Length & Direction:

Lay Length (in.)	Twists (twist/ft)
2.000	6.000

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +105°C

Non-UL Temperature Rating: 105°C

Bulk Cable Weight: 26 lbs/1000 ft.

Max. Recommended Pulling Tension: 29 lbs.

Min. Bend Radius/Minor Axis: 2.100 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC(UL) Specification: CMG, ITC-ER, PLTC-ER

CEC(UL) Specification: CMG

CSA Specification: FT4

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

IEEE Specification: 1202

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

### Flame Test

UL Flame Test:	UL1685 FT4 Loading
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### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Surface Printing (Overall)

### Electrical Characteristics (Overall)

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10.6

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
3111A 0101000	1,000 FT	25.000 LB	BLACK	C	1 FS PR #20 PVC JX
3111A 0105000	5,000 FT	115.000 LB	BLACK	C Z	1 FS PR #20 PVC JX

#### 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: 01-16-2017

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