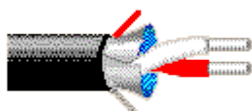


## 3111A Multi-Conductor - Thermocouple Extension Cable



For more Information  
please call

1-800-Belden1



### 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. (mm)
1	20	Solid	Iron & Constantan	

Total Number of Conductors: 2

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.4064

#### 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: 5.232 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	White & Red

##### Pair Lay Length & Direction:

Lay Length (mm)	Twists (twist/m)
50.8	19.686

### Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 105°C

Bulk Cable Weight: 38.693 Kg/Km

Max. Recommended Pulling Tension: 128.998 N

Min. Bend Radius/Minor Axis: 53.340 mm

## 3111A Multi-Conductor - Thermocouple Extension Cable

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

CEC/C(UL) Specification:	CMG
CSA Specification:	FT4
IEEE Specification:	1202
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/km)
34.7786

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
3111A 0101000	305 MT	12.247 KG	BLACK	C	1 FS PR #20 PVC JX
3111A 0105000	1,524 MT	61.235 KG	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.

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