



**Part Number:** 3111A

Thermocouple Extension, (1 pr) 20 AWG Solid Type JX, PVC/PVC, Foil Shld, CMG

## Product Description

One 20 AWG pair solid Type JX conductors, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Pairs
20	Solid	Iron & Constantan	1
<b>Total Number of Conductors:</b>			2

#### Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.016 in

#### Color Chart 1:

Number	Color
1	White & Red

#### Stranding:

Lay Length	Twists
2 in	6 twist/ft

## Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	22	7x28 mm

## Outerjacket 1:

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.206 in	Yes

<b>Print Legend:</b>	BELDEN 3111A E34972 1PR20 THCPL EXTN JX SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES OR AWM 2464 80C 300V OR C(UL) CMG ---- FT4 IEEE 1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET
----------------------	---

## Electrical Characteristics

### Conductor DCR:

Nominal Outer Shield DCR
10.6 Ohm/1000ft

## Use

<b>Max Recommended Pulling Tension:</b>	29 lbs
---	--------

## Safety

<b>UL Flammability:</b>	UL1685 FT4 Loading
-------------------------	--------------------

## Temperature Range

<b>Non-UL Temp Rating:</b>	105°C
<b>Operating Temp Range:</b>	-30°C To +105°C

## Mechanical Characteristics

<b>Min Bend Radius/Minor Axis:</b>	2.1 in
------------------------------------	--------

## Part Number

<b>Plenum (Y/N):</b>	No
----------------------	----

## Standards

<b>ANSI Compliance:</b>	ANSI Specification
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	CA Prop 65 (CJ for Wire & Cable)

<b>CEC/C(UL) Specification:</b>	CEC/C(UL) Specification
<b>CSA AWM Specification:</b>	CSA Specification
<b>IEEE Specification:</b>	IEEE Specification
<b>MII Order #39 (China RoHS):</b>	MII Order #39 (China RoHS)
<b>EU Directive Compliance:</b>	EU Directive 2003/11/EC (BFR)

## History

## Product Variants

Part Number	Color	Put-Up Type	Length
3111A 0101000	BLACK	Reel	1000 ft
3111A 0105000	BLACK	Reel	5000 ft

© 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.