



**Part Number:** 3115A

Thermocouple Extension, (1) 20 AWG Solid Iron, (1 pr)  
20 AWG Solid Constantan, (1) 22 AWG (7x30) BC,  
PVC/PVC, Foil Shld, CMG

## Product Description

One 20 AWG solid iron conductor, one 20 AWG solid constantan conductor, one 22 AWG stranded (7x30) bare copper conductor, PVC insulation, individually shielded plus an overall Beldfoil® shield (100% coverage), PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Pairs
20	Solid	Iron	1
20	Solid	Constantan	1
Total Number of Conductors:			5

#### Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.016 in

#### Color Chart 1:

Number	Color
1	White & Red and Numbered 1
2	White & Red and Numbered 2

#### Stranding:

Lay Length	Twists
2.5 in	4.8 twist/ft

Innershield:

Type	Material	Material Trade Name	Coverage [%]	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	22	7x30 mm
				TC - Tinned Copper	

Cabling 1:

Lay Length
5.9 in

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	20	7x28 mm

Outerjacket 1:

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.332 in	Yes

Print Legend:	BELDEN 3115A E34972 2PR20 1C22 THCPL EXTN JX SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES DIR BUR OR AWM 2464 80C 300V OR C(uL) CMG ---- FT4 IEEE1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET
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Electrical Characteristics

Conductor DCR:

Individual Pair Nominal Shield DCR	Nominal Outer Shield DCR
10.6 Ohm/1000ft	6.8 Ohm/1000ft

Use

Max Recommended Pulling Tension:	55.5 lbs
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Safety

UL Flammability:	UL1685 FT4 Loading
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Temperature Range

Non-UL Temp Rating:	105°C
Operating Temp Range:	-30°C To +105°C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	3.3 in
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Part Number

Plenum (Y/N):	No
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Standards

ANSI Compliance:	ANSI Specification
CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
CSA AWM Specification:	CSA Specification
IEEE Specification:	IEEE Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

History

Notes:	Iron & Constantan = "Constantan is a Hoskins Manufacturing Company trademark."
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Product Variants

Part Number	Color	Put-Up Type	Length
3115A 0105000	BLACK	Reel	5000 ft

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