



**Part Number:** 1101A

Thermocouple Extension, (1 pr) 16 AWG Solid Type EX, PVC/PVC, Foil Shld, CMG

## Product Description

One 16 AWG pair solid Type EX conductors, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

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

#### Insulation:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.085 in	0.017 in

#### Color Chart 1:

Number	Color
1	Purple & Red

#### 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	18	16x30 mm

### Outerjacket 1:

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.248 in	Yes

<b>Print Legend:</b>	BELDEN-M 1101A E34972 1PR16 SHIELDED (UL) CMG 105C PLTC OR ITC SUN RES OR AWM 2464 80C 300V OR C(UL) CMG THCPLEXTN EX ---FT4 IEEE 1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET
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## Electrical Characteristics

### Conductor DCR:

Element	Nominal Conductor DCR	Nominal Outer Shield DCR
CHROMEL	165 Ohm/1000ft	38 Ohm/1000ft
CONSTANTAN	121 Ohm/1000ft	

### Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
25 pF/ft	51 pF/ft

### Inductance:

Nominal Inductance
0.18 µH/ft

## Use

## Safety

CSA Flammability:	FT4
ICEA Flammability:	T-29-520
UL Flammability:	UL1685 FT4 Loading

## Temperature Range

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

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.5 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
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

## History

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

Part Number	Color	Put-Up Type	Length
1101A 00710000	VIOLET	Reel	10000 ft
1101A 0071000	VIOLET	Reel	1000 ft

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