



Part Number: 1023A

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

Product Description

One 16 AWG pair solid Type TX 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	Copper & Constantan	1
Total Number of Conductors:			2

Insulation:

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

Color Chart 1:

Number	Color
1	Blue & 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
PVC - Polyvinyl Chloride	0.248 in
Print Legend:	BELDEN 1023A E34972 1PR16 THCPLEX TN TX SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES OR AWM 2464 80C 300V OR C(UL) CMG ---- FT4 IEEE1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET

Electrical Characteristics

Conductor DCR:

Element	Nominal Conductor DCR	Nominal Outer Shield DCR
CONSTANTAN	121 Ohm/1000ft	38 Ohm/1000ft
COPPER	4 Ohm/1000ft	

Use

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	85 lbs

Safety

CSA Flammability:	FT4
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

Product Variants

Part Number	Color	Put-Up Type	Length
1023A 01310000	BLUE, DARK	Reel	10000 ft
1023A 0131000	BLUE, DARK	Reel	1000 ft

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