



Part Number: 1013A

Thermocouple Extension, (8 pr) 20 AWG Solid Type KX,
(1) 22 AWG (7x30) BC, PVC/PVC, Foil Shld, CMG

Product Description

Eight 20 AWG pairs solid Type KX conductors, 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 Conductors	No. of Pairs
20	Solid	Chromel & Alumel		8
22	7x30	BC - Bare Copper	1	
Total Number of Conductors:			17	

Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.016 in

Color Chart 1:

Number	Color
1	Yellow & Red and Numbered 1
2	Yellow & Red and Numbered 2
3	Yellow & Red and Numbered 3
4	Yellow & Red and Numbered 4
5	Yellow & Red and Numbered 5
6	Yellow & Red and Numbered 6
7	Yellow & Red and Numbered 7
8	Yellow & Red and Numbered 8

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
7 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	0.503 in	Yes

Print Legend:	BELDEN 1013A E34972 8PR20 1C22 THCPL EXTN KX 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:	294 lbs
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Safety

UL Flammability:	UL1685 FT4 Loading
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Temperature Range

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

Min Bend Radius/Minor Axis:	5.1 in
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Part Number

Plenum (Y/N):	No
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Standards

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

Notes:	Chromel & Alumel = "Chromel and Alumel are Hoskins Manufacturing Company trademarks."
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Product Variants

Part Number	Color	Put-Up Type	Length
1013A 0045000	YELLOW	Reel	5000 ft

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