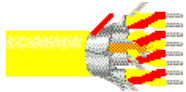


## 1012A Multi-Conductor - Thermocouple Extension Cable



For more Information  
please call

1-800-Belden1



### General Description:

20 AWG pairs solid conductors, PVC insulation, individually shielded plus an overall Beldfoil shield (100% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	20	Solid	Chromel
2	20	Solid	Alumel
	22	7x30	BC - Bare Copper

Total Number of Conductors: 9

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.016

#### Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG:

AWG
22

Inner Shield Drain Wire Stranding: 7x30

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

#### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
20	7x28	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 0.383 in.

#### Pair

Pair Color Code Chart:

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

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +105°C

Non-UL Temperature Rating: 105°C

Bulk Cable Weight: 102 lbs/1000 ft.

## 1012A Multi-Conductor - Thermocouple Extension Cable

Max. Recommended Pulling Tension:	159 lbs.
Min. Bend Radius/Minor Axis:	3.900 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG, ITC, PLTC
CEC/C(UL) Specification:	CMG
CSA Specification:	FT4
EU Directive 2011/65/EU (ROHS II):	Yes
IEEE Specification:	1202
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
ANSI Specification:	MC 96.1-1982 Type KX

#### Flame Test

UL Flame Test:	UL1685 FT4 Loading
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#### Suitability

Suitability - Burial:	Yes
Sunlight Resistance:	Yes

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Surface Printing (Overall)

#### Electrical Characteristics (Overall)

##### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.8

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:	10.600 Ohm/1000 ft
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#### Notes (Overall)

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

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1012A 0045000	5,000 FT	480.000 LB	YELLOW	C Z	4 FSPR #20 + 1 #22 PVC FSPVCKX

##### Notes:

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.