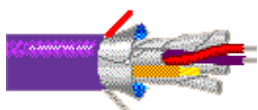


## 1112A Multi-Conductor - Thermocouple



**Obsolete**  
**Call**  
**1-800-BELDEN1**

For more Information  
 please call

1-800-Belden1

**Description:**

20 AWG pairs, solid conductors, chromel & constantan, individually shielded, overall 100% Beldfoil® shield, PVC insulation, PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

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

**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

**Overall Cabling****Overall Cabling Lay Length & Direction:**

Length (in.)
5.9

Overall Nominal Diameter: 0.383 in.

**Pair****Pair Lay Length & Direction:**

Lay Length (in.)	Twists/ft. (twist/ft)
2.500	4.800

**Mechanical Characteristics (Overall)**

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

**1112A Multi-Conductor - Thermocouple**

Non-UL Temperature Rating:	105°C
Bulk Cable Weight:	97 lbs/1000 ft.
Max. Recommended Pulling Tension:	159 lbs.
Min. Bend Radius (Install)/Minor Axis:	4.100 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

CEC/C(UL) Specification:	CMG
CSA Specification:	FT4
IEEE Specification:	1202

**Flame Test**

UL Flame Test:	UL 1685 FT4 Loading
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**Plenum/Non-Plenum**

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

Surface Printing:	BELDEN 1112A E34972 4PR20 1C22 THCPL EXTN EX SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES DIR BUR OR AWM 2464 80C 300V OR C(uL) CMG ---- FT4 IEEE 1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET
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**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 & Constantan = "Constantan is a Hoskins Manufacturing Company trademark."**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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