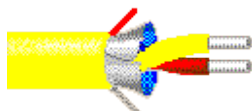


1018A Multi-Conductor - Thermocouple Extension Cable



For more Information
please call

1-800-Belden1

**General Description:**

16 AWG pairs solid conductors, overall Beldfoil shield (100% coverage), PVC insulation, PVC jacket.

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

# Pairs	AWG	Stranding	Conductor Material
1	16	Solid	Chromel & Alumel

Total Number of Conductors: 2

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PVC - Polyvinyl Chloride	0.533	2.362

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
18	7x26	TC - Tinned Copper

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 6.706 mm

Pair**Pair Color Code Chart:**

Number	Color
1	Yellow & Red

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 58.040 Kg/Km

Min. Bend Radius/Minor Axis: 25.146 mm

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

NEC/(UL) Specification: CMG, ITC-ER, PLTC-ER

CEC/C(UL) Specification: CMG

AWM Specification: UL Style 2464 (300 V 80°C)

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EU Directive 2011/65/EU (ROHS II):	Yes
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
CSA Flame Test:	FT4

Plenum/Non-Plenum

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

Surface Printing:	BELDEN 1018A E34972(-PLANT ID) 1PR16 THCPL EXTN KX SHIELDED (UL) CMG PLTC-ER OR ITC-ER SUN RES OR AWM 2464 80C 300V OR C(UL) CMG---FT4 IEEE1202 (2FT, 7 DIGIT SEQUENTIAL NUMBER) FEET
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Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (μH/m)
0.59058

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
167.331

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
82.025

Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/km)
CHROMEL	482.307
CONSTANTAN	193.251

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
124.678

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
1018A 0041000	1,000 FT	40.000 LB	YELLOW	C	2 #16 PVC FS PVC KX
1018A 00410000	10,000 FT	420.000 LB	YELLOW	C Z	2 #16 PVC FS PVC KX
1018A 0045000	5,000 FT	200.000 LB	YELLOW	C	2 #16 PVC FS PVC KX

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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Revision Number: 2 Revision Date: 11-13-2017

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