



Product: [1018A](#)

Type KX Thermocouple, 1 Pr #16 Sol, PVC Ins Yel, Red, OS, Yellow PVC Jkt, 300V PLTC-ER ITC-ER CMG

[Request Sample](#)

Product Description

Type KX Thermocouple, 1 Pair 16AWG (Solid) Chromel+Alumel, PVC Insulation Yel, Red Color Code, Overall Beldfoil® Shield, Yellow PVC Outer Jacket, PLTC-ER ITC-ER CMG AWM 2464 SUN RES

Technical Specifications

Product Overview

Suitable Applications:	Industrial Control, Raceways Cable trays and ducts, Digital Control, Instruments (4-20ma, 0-10v, ...), low voltage digital control (24v, ...), Thermocouple, distributed control system (DCS), programmable logic controller (PLC)
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Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	16	Solid	Chromel & Alumel

Insulation

Element	Material	Thickness [in]	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.021	Yellow & Red

Outer Shield Material

Type	Material	Coverage	Drainwire Type
Tape	Alum / Poly	100%	18 AWG (7x26) TC

Outer Jacket Material

Material	Thickness	Diameter	Ripcord
PVC - Polyvinyl Chloride	0.037 in	0.264 in	Yes

Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond
Pair(s)	25 pF/ft

Table Notes:	Conductor DCR (Nom): 165 Ohm/1000ft (Chromel), 66 Ohm/1000ft (Alumel)
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Voltage

UL Voltage Rating
300 V (PLTC-ER, CMG, UL AWM 2464), 150 V (ITC-ER)

Mechanical Characteristics

Temperature

UL Rating	Operating
105°C	-30°C to +105°C

Bend Radius

Stationary Min.

0.99 in

Bulk Cable Weight:	39 lbs/1000ft
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Standards and Compliance

Environmental Suitability:	Sunlight Resistance
Flammability / Fire Resistance:	UL1685 UL Loading, FT4, 1202
NEC / UL Compliance:	Article 800, CMG, ITC-ER, PLTC-ER
AWM Compliance:	2464
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	ISA MC 96.1-1982 Type KX

Product Notes

Notes:	Chromel and Alumel are Hoskins Manufacturing Company trademarks.
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History

Update and Revision:	Revision Number: 0.331 Revision Date: 06-09-2020
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