



**Product:** [83932](#)

Type KX Thermocouple, 1 Pr #20 Sol, FEP Ins Yel, Red, Yellow FEP Jkt, 300V CL3P 200C PLTC SUN RES

Request Sample

## Product Description

Type KX Thermocouple, 1 Pair 20AWG (Solid) Chromel+Alumel, FEP Insulation Yel, Red Color Code, Yellow FEP Outer Jacket, CL3P 200C PLTC 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, ...), RTD, control circuits, distributed control system (DCS), programmable logic controller (PLC), Solenoids, Valves, actuators, positioners
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### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	20 AWG	Solid	Chromel & Alumel

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.01 in (0.25 mm)	0.052 in (1.3 mm)	Yellow, Red

#### Outer Shield

Material
No Shield

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.012 in (0.30 mm)	0.076 x 0.128 in

Overall Cable Diameter (Nominal):	0.076 x 0.128 in
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### Electrical Characteristics

#### Electricals

Nom. Conductor DCR
420 Ohm/1000ft
169 Ohm/1000ft (554 Ohm/km)

#### Voltage

UL Voltage Rating
200 V

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
200°C	-70°C to +200°C

#### Bend Radius

Stationary Min.	Installation Min.

0.76 in (19 mm)	0.76 in
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Max. Pull Tension:	575 lbs (261 kg)
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Bulk Cable Weight:	12 lbs/1000ft
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## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
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Flammability / Reaction to Fire:	NFPA 262 (UL 910)
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NEC / UL Compliance:	Article 725
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European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
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APAC Compliance:	China RoHS II (GB/T 26572-2011)
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Other Standard Compliance(s):	ISA MC 96.1-1982 Type KX
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## Product Notes

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

Update and Revision:	Revision Number: 0.395 Revision Date: 02-15-2024
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
83932 0041000	Yellow	Reel	1,000 ft	612825205944	C

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