



**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

### 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

### 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

Max. Pull Tension: 575 lbs (261 kg)

Bulk Cable Weight: 12 lbs/1000ft

## Standards and Compliance

Environmental Suitability: Indoor, Outdoor, Sunlight Resistance

Flammability / Reaction to Fire: NFPA 262 (UL 910)

NEC / UL Compliance: Article 725

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)

APAC Compliance: China RoHS II (GB/T 26572-2011)

Other Standard Compliance(s): ISA MC 96.1-1982 Type KX

## Product Notes

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

## History

Update and Revision: Revision Number: 0.399 Revision Date: 02-20-2026

## Part Numbers

### Variants

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

Footnote: C - CRATE REEL PUT-UP.

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