



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

Physical Characteristics (Overall)

| Conductor        |     |           |                  |              |
|------------------|-----|-----------|------------------|--------------|
| Element          | AWG | Stranding | Material         | No. of Pairs |
| Pair             | 20  | Solid     | Chromel & Alumel | 1            |
| Conductor Count: |     | 2         |                  |              |

| Insulation |                                      |                        |
|------------|--------------------------------------|------------------------|
| Element    | Material                             | Nominal Wall Thickness |
| Pair       | FEP - Fluorinated Ethylene Propylene | 0.01 in                |

| Color Chart |        |
|-------------|--------|
| Number      | Color  |
| Chromel     | Yellow |
| Alumel      | Red    |

Outer Shield Material

| Material  |
|-----------|
| No Shield |

Outer Jacket Material

| Material                             | Nominal Diameter | Nominal Wall Thickness |
|--------------------------------------|------------------|------------------------|
| FEP - Fluorinated Ethylene Propylene | 0.076 x 0.128 in | 0.012 mm               |

Electrical Characteristics

| Conductor DCR |                       |
|---------------|-----------------------|
| Element       | Nominal Conductor DCR |
| Chromel       | 420 Ohm/1000ft        |
| Alumel        | 169 Ohm/1000ft        |

Temperature Range

|                       |                 |
|-----------------------|-----------------|
| UL Temp Rating:       | 200°C           |
| Operating Temp Range: | -70°C To +200°C |

Mechanical Characteristics

|                             |               |
|-----------------------------|---------------|
| Bulk Cable Weight:          | 13 lbs/1000ft |
| Min Bend Radius/Minor Axis: | 1.25 in       |

Standards

|                         |            |
|-------------------------|------------|
| NEC/(UL) Specification: | CL3P, PLTC |
|-------------------------|------------|

|                  |                      |
|------------------|----------------------|
| Data Category:   | MC 96.1-1982 Type KX |
| ANSI Compliance: | MC 96.1-1982 Type KX |

Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/96/EC (BFR):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive 2015/863/EU:             | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01                    |
| MII Order #39 (China RoHS):           | Yes                           |

Suitability

|                                    |     |
|------------------------------------|-----|
| Suitability - Sunlight Resistance: | Yes |
|------------------------------------|-----|

Flammability, LSOH, Toxicity Testing

|                    |                           |
|--------------------|---------------------------|
| UL Flammability:   | NFPA 262, UL 910 (Plenum) |
| UL voltage rating: | 300 V RMS                 |

Plenum/Non-Plenum

|               |     |
|---------------|-----|
| Plenum (Y/N): | Yes |
|---------------|-----|

Part Number

Variants

| Item #        | Color  | Putup Type             | Length   | UPC          |
|---------------|--------|------------------------|----------|--------------|
| 83932 0041000 | Yellow | Reel                   | 1,000 ft | 612825205944 |
| Footnote:     |        | C - CRATE REEL PUT-UP. |          |              |

Product Notes

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

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.301 Revision Date: 04-28-2020 |
|----------------------|--------------------------------------------------|

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