



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
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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
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Flammability, LSOH, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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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.""
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History

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