



Product: [83953](#)

Type KX Thermocouple, 1 Pr #16 Str, FEP Ins Yel, Red, Yellow FEP Jkt, CL3P 200C PLTC SUN RES

[Request Sample](#)

Product Description

Type KX Thermocouple, 1 Pair 16AWG (7x24) 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	16	7x24	Chromel & Alumel	1

Conductor Count:

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

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly / Alum	Beldfoil®	100%	TC - Tinned Copper	18	7x26

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.187 in	0.012 in

Electrical Characteristics

Conductor DCR

Element	Nominal Conductor DCR	Nominal Outer Shield DCR
Chromel	154 Ohm/1000ft	5.6 Ohm/1000ft
Alumel	62 Ohm/1000ft	

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	36 lbs/1000ft
Min Bend Radius/Minor Axis:	2 in

Standards

NEC/(UL) Compliance:	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
83953 004500	Yellow	Reel	500 ft	612825206040
83953 0041000	Yellow	Reel	1,000 ft	612825206033

Footnote:	C - CRATE REEL PUT-UP.
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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: 0.310 Revision Date: 04-28-2020
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Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9