



Product: [83915](#)

Type E Thermocouple, 1 Pr #20 Sol, FEP Ins Pur, Red, Brn FEP Jkt, 300V CL3P 200C PLTC SUN RES

Request Sample

Product Description

Type E Thermocouple, 1 Pair 20AWG (Solid) Chromel+Constantan, FEP Insulation Pur, Red Color Code, Brown 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 & Constantan	1

Conductor Count:2

Insulation

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

Color Chart

Number	Color
Chromel	Violet
Constantan	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 in

Electrical Characteristics

Conductor DCR

Element	Nominal Conductor DCR
Chromel	420 Ohm/1000ft
Constantan	308 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 E
ANSI Compliance:	MC 96.1-1982 Type E

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, LS0H, 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
83915 001500	Brown	Reel	500 ft	612825205913
83915 0011000	Brown	Reel	1,000 ft	612825205906

Footnote:	C - CRATE REEL PUT-UP.
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Product Notes

Notes:	Chromel & Constantan = ""Constantan is a Hoskins Manufacturing Company trademark.""
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History

Update and Revision:	Revision Number: 0.300 Revision Date: 04-28-2020
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