



Product: [3115A](#) 

Type JX Thermocouple, 2 Pr #20+22 Sol, PVC Ins Wht, Red, IS/OS, Blk PVC Jkt, 300V PLTC-ER ITC-ER CMG

 [Request Sample](#)

Product Description

Type JX Thermocouple, 2 Pair 20+22AWG (Solid) Iron+Constantan, PVC Insulation Wht, Red Color Code, Individual & Overall Beldfoil® Shield, Black PVC Outer Jacket, PLTC-ER ITC-ER CMG AWM 2464 SUN RES DIR BUR

Technical Specifications

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	Nominal Diameter	No. of Conductors	No. of Pairs
Pair(s)	20	Solid	Iron & Constantan			2
Comm		7x30	BC - Bare Copper	.066 in	1	

Conductor Count: 5

Insulation

Element	Material	Nominal Wall Thickness
Pair(s)	PVC - Polyvinyl Chloride	0.021 in
Comm	PVC - Polyvinyl Chloride	0.019 in

Color Chart

Number	Color
Constantan	Red Numbered 1
Iron	White Numbered 1
Constantan	Red Numbered 2
Iron	White Numbered 2
Communication Wire	Orange

Inner Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	22	7x30

Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	20	7x28

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.328 in	0.042 in	Yes

Construction and Dimensions

Stranding

Twists
4.8 twist/ft

Electrical Characteristics

Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Outer Shield DCR
10.6 Ohm/1000ft	6.8 Ohm/1000ft

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-30°C To +105°C

Mechanical Characteristics

Bulk Cable Weight:	48.5 lbs/1000ft
Max. Pull Tension:	55.5 lbs
Min. Bend Radius/Minor Axis:	3.3 in

Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CMG, ITC, PLTC
CEC/C(UL) Compliance:	CMG
UL AWM Style Compliance:	2464
ANSI Compliance:	MC 96.1-1982 Type JX
Other Standards:	ISA MC 96.1-1982 Type JX

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4
IEEE Flammability:	1202
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Put-Up Type	Length	UPC
3115A 0105000	Black	Reel	5,000 ft	612825141952

Footnote:	C - CRATE REEL PUT-UP., Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.
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Product Notes

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

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