



Part Number: 83905

Thermocouple, (2) 20 AWG Solid Type K, FEP/FEP, PLTC, High-Temp

Product Description

Two 20 AWG solid Type K conductors, fluorinated ethylene propylene (FEP) insulation, fluorinated ethylene propylene (FEP) jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Conductors
20	Solid	Chromel	1
20	Solid	Alumel	1
Total Number of Conductors:			2

Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.01 in

Outersheild 1:

Material
Unshielded

Outerjacket 1:

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	0.076 x 0.128 in

Print Legend:	BELDEN 83905 E34972 2C20 (UL) CL3P 200C PLTC SUN RES THCPL K (2 FT., 7 DIGIT SEQUENTIAL NUMBER) FEET
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Electrical Characteristics

Conductor DCR:

Element	Nominal Conductor DCR
CHROMEL	420 Ohm/1000ft
ALUMEL	169 Ohm/1000ft

Use

Safety

UL Flammability:	UL910 Steiner Tunnel
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Temperature Range

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

Mechanical Characteristics

Min Bend Radius/Minor Axis:	1.25 in
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Part Number

Plenum (Y/N):	Yes
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Standards

ANSI Compliance:	ANSI Specification
CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Notes:	Chromel & Alumel = "Chromel and Alumel are Hoskins Manufacturing Company trademarks."
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Product Variants

Part Number	Color	Put-Up Type	Length
83905 0011000	BROWN	Reel	1000 ft
83905 001100	BROWN	Reel	100 ft
83905 001500	BROWN	Reel	500 ft

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