



Part Number: 83950

Thermocouple Extension, (1 pr) 20 AWG (7x28) Type JX, FEP/FEP, Foil Shld, PLTC, High-Temp

Product Description

One 20 AWG pair stranded (7x28) Type JX conductors, fluorinated ethylene propylene (FEP) insulation, overall Beldfoil® shield (100% coverage), fluorinated ethylene propylene (FEP) jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
20	7x28	Iron & Constantan	1
Total Number of Conductors:			2

Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.01 in

Color Chart 1:

Number	Color
1	White & Red

Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	Beldfoil®	100 %	TC - Tinned Copper	20	7x30 mm

Outerjacket 1:

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	0.145 in

Print Legend:	BELDEN 83950 E34972 1PR20 SHIELDED (UL) CL3P 200C PLTC SUN RES THCPL EXTN JX (2 FT., 7 DIGIT SEQUENTIAL NUMBER) FEET
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Electrical Characteristics

Conductor DCR:

Element	Nominal Conductor DCR	Nominal Outer Shield DCR
IRON	57 Ohm/1000ft	12 Ohm/1000ft
CONSTANTAN	283 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:	1.5 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

Product Variants

Part Number	Color	Put-Up Type	Length
83950 0101000	BLACK	Reel	1000 ft
83950 0105000	BLACK	Reel	5000 ft
83950 010500	BLACK	Reel	500 ft

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