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83955

Multi-Conductor - High-Temperature Thermocouple Extension Cable

20 AWG stranded (7x28) conductors, FEP insulation, overall Beldfoil® shield (100% coverage), FEP jacket.



For more Information
Please call

1-800-Belden1



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Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|--------|-------|--------------------------|
| 83955 0071000 | 1,000 FT | 18.000 LB | VIOLET | C | 2#20TYPE EX THERMOCOUPLE |

Notes:

C = CRATE REEL PUT-UP.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material | Dia. (in.) |
|---------|-----|-----------|----------------------|------------|
| 1 | 20 | 7x28 | Chromel & Constantan | |

Total Number of Conductors:

2

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|--------------------------------------|----------------------|
| FEP - Fluorinated Ethylene Propylene | .010 |

Outer Shield

Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|-------------------------|------|-----------------------|--------------|
| | | | |

Beldfoil® | Tape | Aluminum Foil-Polyester Tape-Aluminum Foil | 100

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 22 | 7x30 | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|--------------------------------------|
| FEP - Fluorinated Ethylene Propylene |

Overall Cable

Overall Nominal Diameter: 0.145 in.

Pair

Pair Color Code Chart:

| Number | Color |
|--------|--------------|
| 1 | Purple & Red |

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C
Non-UL Temperature Rating: 200°C
Bulk Cable Weight: 18 lbs/1000 ft.
Min. Bend Radius/Minor Axis: 1.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: PLTC, CL3P
EU Directive 2011/65/EU (ROHS II): Yes
EU CE Mark: Yes
EU Directive 2000/53/EC (ELV): Yes
EU Directive 2002/95/EC (RoHS): Yes
EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005
EU Directive 2002/96/EC (WEEE): Yes
EU Directive 2003/11/EC (BFR): Yes
CA Prop 65 (CJ for Wire & Cable): Yes
MII Order #39 (China RoHS): Yes
ANSI Specification: MC 96.1-1982 Type EX

Flame Test

UL Flame Test: UL910 Steiner Tunnel

Plenum/Non-Plenum

Plenum (Y/N): Yes

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

| Description | DCR @ 20°C (Ohm/1000 ft) |
|-------------|--------------------------|
| CHROMEL | 387 |
| CONSTANTAN | 283 |

Nominal Outer Shield DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 12 |

Notes (Overall)

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

Close

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