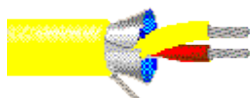


## 83952 Multi-Conductor - High-Temperature Thermocouple Extension Cable



For more Information  
please call

1-800-Belden1

**Description:**

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

**Physical Characteristics (Overall)****Conductor**

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1       | 20  | 7x28      | Chromel & Alumel   |

**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      | Yellow & 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 (Install)/Minor Axis: 1.500 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification: PLTC, CL3P

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

## 83952 Multi-Conductor - High-Temperature Thermocouple Extension Cable

|                                       |                      |
|---------------------------------------|----------------------|
| 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                  |
| IMSA Specification:                   | MC 96.1-1982 Type KX |

## 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                      |
| ALUMEL      | 156                      |

## Nominal Outer Shield DC Resistance:

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

## Notes (Overall)

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

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

| Item #        | Putup    | Ship Weight | Color  | Notes | Item Desc                |
|---------------|----------|-------------|--------|-------|--------------------------|
| 83952 0041000 | 1,000 FT | 18.000 LB   | YELLOW | C     | 2#20TYPE KX THERMOCOUPLE |
| 83952 004500  | 500 FT   | 9.500 LB    | YELLOW | C     | 2#20TYPE KX THERMOCOUPLE |

## Notes:

C = CRATE REEL PUT-UP.

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