



Part Number: 1018A

Thermocouple Extension, (1 pr) 16 AWG Solid Type KX,
PVC/PVC, Foil Shld, CMG

Product Description

One 16 AWG pair solid Type KX conductors, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

| AWG | Stranding | Material | No. of Pairs |
|-----------------------------|-----------|------------------|--------------|
| 16 | Solid | Chromel & Alumel | 1 |
| Total Number of Conductors: | | | 2 |

Insulation:

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.085 in | 0.017 in |

Color Chart 1:

| Number | Color |
|--------|--------------|
| 1 | Yellow & Red |

Outersheild 1:

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|------------------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum Foil-Polyester Tape | Beldfoil® | 100 % | TC - Tinned Copper | 18 | 7x26 mm |

Outerjacket 1:

| Material | Nominal Diameter | Ripcord |
|--------------------------|------------------|---------|
| PVC - Polyvinyl Chloride | 0.247 in | Yes |

| | |
|---------------|--|
| Print Legend: | BELDEN-M 1018A E34972 1PR16 SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES OR AWM 2464 80C 300V OR C(UL) CMG THCPLEXTN KX----FT4 IEEE1202 (2FT, 7 DIGIT SEQUENTIAL NUMBER) FEET |
|---------------|--|

Electrical Characteristics

Conductor DCR:

| Element | Nominal Conductor DCR | Nominal Outer Shield DCR |
|------------|-----------------------|--------------------------|
| CHROMEL | 147 Ohm/1000ft | 38 Ohm/1000ft |
| CONSTANTAN | 58.9 Ohm/1000ft | |

Capacitance:

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Shield |
|---|--------------------------------------|
| 25 pF/ft | 51 pF/ft |

Inductance:

| Nominal Inductance |
|--------------------|
| 0.18 µH/ft |

Use

Safety

| | |
|-------------------|--------------------|
| CSA Flammability: | FT4 |
| UL Flammability: | UL1685 FT4 Loading |

Temperature Range

| | |
|-----------------------|-----------------|
| Operating Temp Range: | -30°C To +105°C |
|-----------------------|-----------------|

Mechanical Characteristics

| | |
|-----------------------------|--------|
| Min Bend Radius/Minor Axis: | 2.5 in |
|-----------------------------|--------|

Part Number

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Standards

| | |
|-----------------------------------|----------------------------------|
| ANSI Compliance: | ANSI Specification |
| CA Prop 65 (CJ for Wire & Cable): | CA Prop 65 (CJ for Wire & Cable) |
| CEC/C(UL) Specification: | CEC/C(UL) Specification |
| MII Order #39 (China RoHS): | MII Order #39 (China RoHS) |
| NEC/(UL) Specification: | NEC/(UL) Specification |
| UL AWM Style: | AWM 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." |
|--------|---|

Product Variants

| Part Number | Color | Put-Up Type | Length |
|----------------|--------|-------------|----------|
| 1018A 00410000 | YELLOW | Reel | 10000 ft |
| 1018A 0041000 | YELLOW | Reel | 1000 ft |
| 1018A 0045000 | YELLOW | Reel | 5000 ft |

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