



Product: [83756](#)

Electronic, 6 C #14 Str TC, FEP Ins, OS+TC Brd, Red FEP Jkt, CMP FPLP

[Request Sample](#)

Product Description

High Temperature Electronic, 6 Conductor 14AWG (7x22) Tinned Copper, FEP Insulation, Overall Beldfoil®+Tinned Copper Braid(85%) Shield, Red FEP Outer Jacket, CMP FPLP

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | fire alarms; extreme high/low temperature environments; indoor/outdoor applications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...) |
|------------------------|--|

Construction Details

Conductor

| Element | Number of Element | AWG | Stranding | Material |
|--------------|-------------------|-----|-----------|--------------------|
| Conductor(s) | 6 | 14 | 7x22 | TC - Tinned Copper |

Insulation

| Element | Material | Thickness | Color Code |
|--------------|--------------------------------------|-----------|--|
| Conductor(s) | FEP - Fluorinated Ethylene Propylene | 0.016 in | Black, White, Red, Green, Orange, Blue |

Outer Shield Material

| Shield Type | Material | Coverage |
|--------------|--|------------|
| Tape + Braid | Bi-Laminate (Alum+Poly) + Tinned Copper (TC) | 100% + 85% |

Outer Jacket Material

| Material | Thickness | Nom. Diameter |
|--------------------------------------|-----------|---------------|
| FEP - Fluorinated Ethylene Propylene | 0.017 in | 0.376 in |

| | |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.376 in |
|---------------------------|----------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------|--------------------|-------------------------------|---|---------------------------------|
| Conductor(s) | 2.3 Ohm/1000ft | 30 pF/ft | 52 pF/ft | 12.5 Amps per Conductor at 25°C |

Voltage

| |
|--------------------------|
| UL Voltage Rating |
| 300 V (CMP) |

Mechanical Characteristics

Temperature

| UL Rating | Operating |
|-----------|-----------------|
| 200°C | -70°C to +200°C |

Bend Radius

| |
|------------------------|
| Stationary Min. |
| 4 in |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 387 lbs |
| Bulk Cable Weight: | 141 lbs/1000ft |

Standards and Compliance

| | |
|---------------------------------|---|
| Flammability / Fire Resistance: | NFPA 262, FT6 |
| NEC / UL Compliance: | Article 760, Article 800, CMP, FPLP |
| CEC / C(UL) Compliance: | CMP |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

Product Notes

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|--------|---------------|
| Notes: | Gas Resistant |
|--------|---------------|

History

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| Update and Revision: | Revision Number: 0.347 Revision Date: 09-30-2020 |
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