



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 | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|--------|-----------|--------------------|
| Conductor(s) | 6 | 14 AWG | 7x22 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Color Code |
|--------------|--------------------------------------|--------------------|--|
| Conductor(s) | FEP - Fluorinated Ethylene Propylene | 0.016 in (0.41 mm) | Black, White, Red, Green, Orange, Blue |

Outer Shield

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

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------------------|--------------------|--------------------|
| FEP - Fluorinated Ethylene Propylene | 0.017 in (0.43 mm) | 0.376 in (9.55 mm) |

Overall Cable Diameter (Nominal): 0.376 in (9.55 mm)

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 (7.5 Ohm/km) | 30 pF/ft (98 pF/m) | 52 pF/ft (170 pF/m) | 12.5 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

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

Max. Pull Tension: 387 lbs (176 kg)

Bulk Cable Weight: 141 lbs/1000ft (210 kg/km)

Standards and Compliance

| | |
|----------------------------------|--|
| Flammability / Reaction to Fire: | NFPA 262 |
| NEC / UL Compliance: | Article 760, Article 800 |
| CEC / C(UL) Compliance: | CMP |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

Product Notes

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

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.367 Revision Date: 02-03-2025 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|--------------|-------|------------|--------|--------------|----------|
| 83756 002500 | Red | Reel | 500 ft | 612825205722 | C |

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