



Product: [82742](#)

Electronic, 3 Pr #22 Str TC, FEP Ins, PVC Jkt, CMP

[Request Sample](#)

Product Description

High Temperature Electronic, 3 Pair 22AWG (7x30) Tinned Copper, FEP Insulation, PVC Outer Jacket, CMP

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | indoor plenum applications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; voice communications; panel wiring |
|------------------------|---|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 22 | 7x30 | TC - Tinned Copper | 3 |

| | |
|------------------------|---|
| Conductor Count: | 6 |
| Total Number of Pairs: | 3 |

Insulation

| Material | Nominal Wall Thickness |
|--------------------------------------|------------------------|
| FEP - Fluorinated Ethylene Propylene | 0.0065 in |

Color Chart

| Number | Color |
|--------|---------------|
| 1 | Black & Red |
| 2 | Black & White |
| 3 | Black & Green |

Outer Shield Material

| Material |
|-----------|
| No Shield |

Outer Jacket Material

| Material | Material Trade Name | Nominal Diameter | Nominal Wall Thickness |
|---|---------------------|------------------|------------------------|
| PVC-LS - Polyvinyl Chloride (Low Smoke) | Flamarrest® | 0.191 in | 0.014 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor Loop DCR |
|-----------------------|----------------------------|
| 16 Ohm/1000ft | 32 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 21 pF/ft |

Inductance

| Nominal Inductance |
|--------------------|
| 0.15 µH/ft |

Impedance

Nominal Characteristic Impedance

80 Ohm

Current

Max. Recommended Current [A]

3.3 Amps per Conductor at 25°C (10°C Temperature Rise)

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

Operating Temp Range: 0°C To +60°C

Mechanical Characteristics

Bulk Cable Weight: 23 lbs/1000ft

Max. Pull Tension: 47 lbs

Min Bend Radius/Minor Axis: 2 in

Standards

NEC Articles: Article 800

NEC/(UL) Compliance: CMP

CEC/C(UL) Compliance: CMP

Applicable Environmental and Other Programs

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

EU Directive 2003/96/EC (BFR): Yes

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive 2015/863/EU: Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2005-04-01

MII Order #39 (China RoHS): Yes

Flammability, LSOH, Toxicity Testing

UL Flammability: NFPA 262

CSA Flammability: FT6

UL voltage rating: 300 V RMS

Plenum/Non-Plenum

Plenum (Y/N): Yes

Part Number

Non-Plenum Number: 8742

Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|---------|------------|----------|--------------|
| 82742 8771000 | Natural | Reel | 1,000 ft | 612825197683 |

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.298 Revision Date: 06-24-2020

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