



Product: [82757](#)

Electronic, 4 Pr #22 Str TC, FEP Ins, PVC Jkt, CMP

Request Sample

Product Description

High Temperature Electronic, 4 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 | 4 |
| Conductor Count: | | | 8 |
| Total Number of Pairs: | | | 4 |

| 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 |
| 4 | Black & Blue |

Outer Shield

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

Outer Jacket

| Material | Material Trade Name | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|---------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | Flamarrest® | 0.21 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 Temperature Range: | 0°C To +60°C |
|------------------------------|--------------|

Mechanical Characteristics

| | |
|------------------------------|---------------|
| Bulk Cable Weight: | 29 lbs/1000ft |
| Max. Pull Tension: | 62 lbs |
| Min. Bend Radius/Minor Axis: | 2.25 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 2): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU (RoHS 2 amendment): | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| MII Order #39 (China RoHS): | Yes |

Flammability, LS0H, Toxicity Testing

| | |
|--------------------|-----------|
| UL Flammability: | NFPA 262 |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

| | |
|---------------|-----|
| Plenum (Y/N): | Yes |
|---------------|-----|

Related Part Numbers

| | |
|--------------------|------|
| Non-Plenum Number: | 8757 |
|--------------------|------|

Variants

| Item # | Color | Put-Up Type | Length | UPC |
|---------------|---------|-------------|----------|--------------|
| 82757 8771000 | Natural | Reel | 1,000 ft | 612825197713 |

| | |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.384 Revision Date: 12-22-2023 |
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