



Product: [82743](#) 

Electronic, 6 Pr #22 Str TC, FEP Ins, PVC Jkt, CMP

 [Request Sample](#)

Product Description

High Temperature Electronic, 6 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 | 6 |

| | |
|------------------------|----|
| Conductor Count: | 12 |
| Total Number of Pairs: | 6 |

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 |
| 5 | Black & Yellow |
| 6 | Black & Brown |

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® | 0.238 in | 0.0145 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 16 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 @ 25°C (10°C rise in temp) |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS |

Temperature Range

| | |
|-----------------------|--------------|
| Operating Temp Range: | 0°C To +75°C |
|-----------------------|--------------|

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 42 lbs/1000ft |
| Max Recommended Pulling Tension: | 109 lbs |
| Min Bend Radius/Minor Axis: | 2.5 in |

Standards

| | |
|--------------------------|-----|
| NEC Articles: | 800 |
| NEC/(UL) Specification: | CMP |
| CEC/C(UL) Specification: | 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): | 2005-10-01 |
| MII Order #39 (China RoHS): | Yes |

Flammability, LSOH, Toxicity Testing

| | |
|---------------------|-----------|
| C(UL) Flammability: | FT6 |
| 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: | 8743 |
|--------------------|------|

Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|---------|------------|----------|--------------|
| 82743 8771000 | Natural | Reel | 1,000 ft | 612825197690 |

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

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.295 Revision Date: 04-28-2020 |
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