



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 |
|------------------------|---|

Construction Details

Conductor

| Size | Stranding | Material |
|------|-----------|--------------------|
| 22 | 7x30 | TC - Tinned Copper |

Insulation

| Material | Nom. Thickness | Color Code |
|--------------------------------------|---------------------|--|
| FEP - Fluorinated Ethylene Propylene | 0.0065 in (0.17 mm) | Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown |

Outer Shield

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

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|----------------------|---------------|
| PVC - Polyvinyl Chloride | 0.0145 in (0.368 mm) | 0.238 in |

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Characteristic Impedence | Nom. Inductance | Max. Current |
|---------------------------|-------------------------------|-------------------------------|------------------------|--|
| 16 Ohm/1000ft (52 Ohm/km) | 21 pF/ft (69 pF/m) | 80 Ohm | 0.15 µH/ft (0.49 µH/m) | 3.3 Amps per Conductor at 25°C (10°C Temperature Rise) |

Voltage

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

Mechanical Characteristics

Temperature

| Operating |
|--------------|
| 0°C To +75°C |

| | |
|--------------------|--------------------------|
| Max. Pull Tension: | 109 lbs (49.4 kg) |
| Bulk Cable Weight: | 42 lbs/1000ft (63 kg/km) |

Standards and Compliance

| | |
|----------------------------------|------------------|
| Flammability / Reaction to Fire: | NFPA 262, FT6 |
| NEC / UL Compliance: | Article 800, CMP |

| | |
|--------------------------------|---|
| CEC / C(UL) Compliance: | CMP |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Non-Plenum Number: | 8743 |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.386 Revision Date: 09-07-2025 |
|----------------------|--|

Part Numbers

Variants

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

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

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