



REPRESENTATIVE IMAGE

Product: [82740](#)

Electronic, 2 C #18 Str TC, FEP Ins, PVC Jkt, CMP

[Request Sample](#)

Product Description

Electronic Cable, 2 Conductor 18AWG (19x30) 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

| Element | Number of Element | AWG | Stranding | Material |
|---------|-------------------|-----|-----------|--------------------|
| Pair(s) | 1 | 18 | 19x30 | TC - Tinned Copper |

Insulation

| Element | Material | Thickness | Color Code |
|---------|--------------------------------------|-----------|-------------|
| Pair(s) | FEP - Fluorinated Ethylene Propylene | 0.007 in | Black & Red |

Outer Jacket Material

| Material | Thickness | Nom. Diameter |
|--------------------------|-----------|---------------|
| PVC - Polyvinyl Chloride | 0.015 in | 0.143 in |

| | |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.143 in |
|---------------------------|----------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Characteristic Impedence | Max. Current |
|---------|--------------------|-------------------------------|--------------------------|--------------------------------|
| Pair(s) | 5.5 Ohm/1000ft | 20 pF/ft | 72 Ohm | 5.4 Amps per Conductor at 25°C |

Voltage

| UL Voltage Rating |
|---------------------------|
| 300 V (CMP), 150 V (CL3P) |

Mechanical Characteristics

Temperature

| UL Rating | Operating |
|----------------|----------------|
| -20°C to +60°C | -20°C to +60°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 1.5 in | 1.4 in |

| | |
|--------------------|---------------|
| Max. Pull Tension: | 50 lbs |
| Bulk Cable Weight: | 15 lbs/1000ft |

Standards and Compliance

| | |
|---------------------------------|---|
| Environmental Suitability: | Indoor |
| Sustainability: | CA Prop 65 |
| Flammability / Fire Resistance: | NFPA 262, FT6, IEC 60332-1-2 |
| NEC / UL Compliance: | Article 725, Article 800, CMP, CL3P |
| CEC / C(UL) Compliance: | CMP |
| CPR Euroclass: | Eca |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Non-Plenum Number: | 9740 |

History

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| Update and Revision: | Revision Number: 0.356 Revision Date: 09-30-2020 |
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