



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 | No. of Elements | Size | Stranding | Material |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 1 | 18 AWG | 19x30 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---------|--------------------------------------|--------------------|--------------------------|-------------|
| Pair(s) | FEP - Fluorinated Ethylene Propylene | 0.007 in (0.18 mm) | 0.057 in (1.4 mm) | Black & Red |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.150 in (3.81 mm) |

Overall Cable Diameter (Nominal): 0.150 in (3.81 mm)

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Characteristic Impedence | Nom. Inductance | Max. Current |
|---------|--------------------|-------------------------------|-------------------------------|----------------------------------|--------------------------------|
| Pair(s) | 6.92 Ohm/1000ft | 20 pF/ft (66 pF/m) | 72 Ohm | 0.14 μ H/ft (0.46 μ H/m) | 5.4 Amps per Conductor at 25°C |

Nom Outer Shield DCR: 7.06 Ohm/1000ft (23.2 Ohm/km)

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 1.5 in (38 mm) | 1.5 in (38 mm) |

Max. Pull Tension: 50 lbs (23 kg)

Bulk Cable Weight: 15 lbs/1000ft

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor - Plenum, Indoor |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | NFPA 262, UL 910 (Plenum) |
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 725, Article 800 |
| 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) |
| UK Regulation Compliance: | UKCA Mark |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Non-Plenum Number: | 9740 |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.530 Revision Date: 09-07-2025 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|----------------|---------|------------|----------|--------------|----------|
| 82740 8771000 | Natural | Reel | 1,000 ft | 612825197652 | C |
| 82740 877U1000 | Natural | UnReel | 1,000 ft | 612825197645 | |
| 82740 8775000 | Natural | Reel | 5,000 ft | 612825197669 | |

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