



Product: [9740](#)

Electronic, 1 PR #18 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)

Product Description

Electronic, 1 Pair 18AWG (16x30) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring |
|------------------------|---|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 1 | 18 AWG | 16x30 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---------|--------------------------|--------------------|--------------------------|-------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.013 in (0.33 mm) | 0.073 in (1.9 mm) | Black & Red |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.032 in (0.81 mm) | 0.210 in (5.33 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.210 in (5.33 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|---------|--------------------|-------------------------------|--------------------------------|
| Pair(s) | 6.86 Ohm/1000ft | 25.5 pF/ft (83.7 pF/m) | 4.8 Amps per Conductor at 20°C |

Voltage

| UL Voltage Rating |
|---------------------------------|
| 300 V (CM), 300 V (UL AWM 2464) |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|----------------|
| 80°C | -20°C to +80°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 2.1 in (53 mm) | 2.1 in (53 mm) |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 42 lbs (19 kg) |
| Bulk Cable Weight: | 21 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor, Indoor |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading, FT4, IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 725, Article 800, CMG, CL3 |
| AWM Compliance: | AWM 2464 |
| CEC / C(UL) Compliance: | CMG |
| 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) |
| Plenum Number: | 89740, 87740, 82740 |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.529 Revision Date: 02-15-2024 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC/EAN | Footnote |
|---------------|--------|------------|--------|---------------|----------|
| 9740 0601000 | Chrome | | | 612825257943 | C |
| 9740 060500 | Chrome | | | 612825257950 | C |
| 9740 0605000 | Chrome | | | 612825257967 | |
| 9740 060U1000 | Chrome | | | 612825257929 | |
| 9740.00305 | Chrome | Reel | 305 m | 8719605022653 | |

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