



Product: [9418](#)

Electronic, 4 C #18 Str TC,SRPVC Ins, OS, PVC Jkt, CMG

Request Sample

### Product Description

Electronic, 4 Conductor 18AWG (19x30) Tinned Copper, SRPVC Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CMG

### Technical Specifications

#### Product Overview

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

#### Construction Details

##### Conductor

| Element      | Number of Element | Size   | Stranding | Material           |
|--------------|-------------------|--------|-----------|--------------------|
| Conductor(s) | 4                 | 18 AWG | 19x30     | TC - Tinned Copper |

##### Insulation

| Element      | Material                                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code               |
|--------------|--|--------------------|--------------------------|--------------------------|
| Conductor(s) | SR-PVC - Polyvinyl Chloride (Semi-Rigid) | 0.011 in (0.28 mm) | 0.066 in (1.7 mm)        | Red, Green, Black, White |

##### Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type    |
|-------------|-------------------------|----------|-------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 20 AWG (19x32) TC |

##### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.035 in (0.89 mm) | 0.245 in (6.22 mm) |

Overall Cable Diameter (Nominal): 0.245 in (6.22 mm)

#### Electrical Characteristics

##### Electricals

| Element      | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                 |
|--------------|--------------------|-------------------------------|---|------------------------------|
| Conductor(s) | 6.5 Ohm/1000ft     | 40 pF/ft (130 pF/m)           | 72 pF/ft (240 pF/m)                             | 5 Amps per Conductor at 25°C |

##### Voltage

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

#### Mechanical Characteristics

##### Temperature

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

##### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 2.5 in (64 mm)  | 2.5 in (64 mm)    |

Max. Pull Tension: 113 lbs (51.3 kg)

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 42 lbs/1000ft |
|--------------------|---------------|

## Standards and Compliance

|                                  |   |
|----------------------------------|---|
| Environmental Suitability:       | Indoor (Not Riser or Plenum), 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 800, CMG  |
| 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   |
| Plenum Number:                   | 89418 or 82418  |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.544 Revision Date: 01-20-2023 |
|----------------------|--|

## Part Numbers

### Variants

| Item #        | Color  | UPC          |
|---------------|--------|--------------|
| 9418 060100   | Chrome | 612825240631 |
| 9418 0601000  | Chrome | 612825240648 |
| 9418 06010000 | Chrome | 612825240655 |
| 9418 06013000 | Chrome | 612825240679 |
| 9418 060500   | Chrome | 612825240686 |
| 9418 0605000  | Chrome | 612825240693 |
| 9418 060U1000 | Chrome | 612825240617 |
| 9418 060U500  | Chrome | 612825240624 |

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