



Product: [9418](#)

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

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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      | No. of Elements | 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          | Footnote |
|---------------|--------|--------------|----------|
| 9418 060100   | Chrome | 612825240631 |          |
| 9418 0601000  | Chrome | 612825240648 | C        |
| 9418 06010000 | Chrome | 612825240655 | C Y      |
| 9418 06013000 | Chrome | 612825240679 |          |
| 9418 060500   | Chrome | 612825240686 | C        |
| 9418 0605000  | Chrome | 612825240693 | C Z      |
| 9418 060U1000 | Chrome | 612825240617 |          |
| 9418 060U500  | Chrome | 612825240624 |          |

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