



**Product:** [M13509](#) 

AUDIO, 9C #18, Str, PVC, 300 V, AWM/STYLE 2598 60C, CMG 75C, CSA C(UL) TYPE CMG

## Product Description

AUDIO, 9 Conductor 18 AWG (19/30) TC - Tinned Copper, PVC Insulation, Slate PVC Outer Jacket, AWM/STYLE 2598 60C, CMG 75C, CSA C(UL) TYPE CMG C(UL) TYPE CMG

## Technical Specifications

### Product Overview

|                        |                                                                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | Data, communication, audio, and low-level signal transmission; industrial networking, serial communication, control panels, automation equipment, and instrumentation systems. |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Construction Details

#### Conductor

| Element      | No. of Elements | Size   | Stranding | Material           |
|--------------|-----------------|--------|-----------|--------------------|
| Conductor(s) | 9               | 18 AWG | 19x30     | TC - Tinned Copper |

#### Insulation

| Element      | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code                                                    |
|--------------|--------------------------|--------------------|--------------------------|---------------------------------------------------------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.018 in (0.46 mm) | 0.086 in (2.2 mm)        | Black, White, Red, Green, Brown, Blue, Orange, Yellow, Violet |

#### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.037 in (0.94 mm) | 0.387 in (9.83 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.387 in (9.83 mm) |
|-----------------------------------|--------------------|

### Electrical Characteristics

#### Electricals

| Element      | Nom. Capacitance Cond-to-Cond | Nom. Inductance                  |
|--------------|-------------------------------|----------------------------------|
| Conductor(s) | 33 pF/ft (110 pF/m)           | 0.18 $\mu$ H/ft (0.59 $\mu$ H/m) |

#### Voltage

| UL Voltage Rating     |
|-----------------------|
| 300 V (CMG, AWM 2598) |

### Mechanical Characteristics

#### Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 75°C           | -20°C To +80°C |

#### Bend Radius

| Stationary Min. |
|-----------------|
| 3.9 in (99 mm)  |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 98 lbs (44 kg) |
|--------------------|----------------|

### Standards and Compliance

|                                |                                                                                                               |
|--------------------------------|---------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:     | Indoor                                                                                                        |
| Sustainability:                | CA Prop 65                                                                                                    |
| NEC / UL Compliance:           | Article 800, CMG                                                                                              |
| AWM Compliance:                | AWM 2598                                                                                                      |
| CEC / C(UL) Compliance:        | CMG                                                                                                           |
| European Directive Compliance: | 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)                                                                               |

Product Notes

|        |                                                                                          |
|--------|------------------------------------------------------------------------------------------|
| Notes: | Alpha Wire - * P/N M13509 9C 18 AWG EXXXXXX 75C CMG (UL) C(UL) OR AWM STYLE 2598 CE ROHS |
|--------|------------------------------------------------------------------------------------------|

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.96 Revision Date: 08-29-2026 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item #       | Color | Putup Type | Length |
|--------------|-------|------------|--------|
| M13509 SL005 | Slate | Reel       | 100 ft |
| M13509 SL002 | Slate | Reel       | 500 ft |

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