



**Product:** [M33406](#) 

AUDIO, 6C #20, Str, PVC, 300 V, AWM/STYLE 2509 80C, CMG 75C, CSA C(UL) TYPE CMG, CSA FT4

## Product Description

AUDIO, 6 Conductor 20 AWG (7/28) TC - Tinned Copper, PVC Insulation, Slate PVC Outer Jacket, AWM/STYLE 2509 80C, CMG 75C, CSA C(UL) TYPE CMG, CSA FT4 C(UL) TYPE CMG, FT4 UL FT4; CSA FT4

## 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) | 6               | 20 AWG | 7x28      | TC - Tinned Copper |

#### Insulation

| Element      | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code                             |
|--------------|--------------------------|--------------------|--------------------------|----------------------------------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.016 in (0.41 mm) | 0.070 in (1.8 mm)        | Black, Red, White, Green, Orange, Blue |

#### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.020 in (0.51 mm) | 0.251 in (6.38 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.251 in (6.38 mm) |
|-----------------------------------|--------------------|

### Electrical Characteristics

#### Electricals

| Element      | Nom. Capacitance Cond-to-Cond | Nom. Inductance                  |
|--------------|-------------------------------|----------------------------------|
| Conductor(s) | 31 pF/ft (100 pF/m)           | 0.19 $\mu$ H/ft (0.62 $\mu$ H/m) |

#### Voltage

| UL Voltage Rating     |
|-----------------------|
| 300 V (CMG, AWM 2509) |

### Mechanical Characteristics

#### Temperature

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

#### Bend Radius

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

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 12.1 lbs (5.49 kg) |
|--------------------|--------------------|

### Standards and Compliance

|                                  |                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor                                                                                                               |
| Flammability / Reaction to Fire: | UL1685 FT4 Loading, FT4                                                                                              |
| NEC / UL Compliance:             | Article 800, CMG                                                                                                     |
| AWM Compliance:                  | AWM 2509                                                                                                             |
| CEC / C(UL) Compliance:          | CMG                                                                                                                  |
| European Directive Compliance:   | EU Directive 2015/863/EU (RoHS 2 amendment), REACH, 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 M33406 6C 20 AWG EXXXXXX 75C CMG (UL) C(UL) OR AWM STYLE 2509 CE ROHS |
|--------|------------------------------------------------------------------------------------------|

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.89 Revision Date: 08-29-2026 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item #       | Color | Putup Type | Length   |
|--------------|-------|------------|----------|
| M33406 SL005 | Slate | Reel       | 100 ft   |
| M33406 SL001 | Slate | Reel       | 1,000 ft |

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