



**Product:** [M13146](#) 

AUDIO, 6PR #20, Str, Polypropylene(PP), 300 V, AWM/STYLE 2919 80C, CMG 75C, AWM/STYLE 10118 80C, CSA C(UL) TYPE CMG, CSA FT4

## Product Description

AUDIO, 6 Pair 20 AWG (7/28) TC - Tinned Copper, Polypropylene(PP) Insulation, Slate PVC Outer Jacket, AWM/STYLE 2919 80C, CMG 75C, AWM/STYLE 10118 80C, 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           |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 6               | 20 AWG | 7x28      | TC - Tinned Copper |

#### Insulation

| Element | Material           | Nom. Thickness     | Nom. Insulation Diameter | Color Code                                                                 |
|---------|--------------------|--------------------|--------------------------|----------------------------------------------------------------------------|
| Pair(s) | PP - Polypropylene | 0.013 in (0.33 mm) | 0.064 in (1.6 mm)        | Black-Red, Black-White, Black-Green, Black-Blue, Black-Yellow, Black-Brown |

#### Inner Shield

| Element | Shield Type | Material                | Coverage | Drainwire Type   |
|---------|-------------|-------------------------|----------|------------------|
| Pair(s) | Tape        | Bi-Laminate (Alum+Poly) | 100%     | 22 AWG (7x30) TC |

#### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.035 in (0.89 mm) | 0.426 in (10.8 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.426 in (10.8 mm) |
|-----------------------------------|--------------------|

### Electrical Characteristics

#### Electricals

| Element | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Nom. Inductance        |
|---------|-------------------------------|-------------------------------------------------|-------------------------------|------------------------|
| Pair(s) | 24.8 pF/ft (81.4 pF/m)        | 45 pF/ft (150 pF/m)                             | 60 Ohm                        | 0.18 µH/ft (0.59 µH/m) |

#### Voltage

| UL Voltage Rating            |
|------------------------------|
| 300 V (CMG), 30 V (AWM 2919) |

### Mechanical Characteristics

#### Temperature

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

#### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 3.4 in (86 mm)  | 3.4 in (86 mm)    |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 46 lbs (21 kg) |
|--------------------|----------------|

Standards and Compliance

|                                  |                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor                                                                                                        |
| Sustainability:                  | CA Prop 65                                                                                                    |
| Flammability / Reaction to Fire: | UL1685 FT4 Loading, FT4                                                                                       |
| NEC / UL Compliance:             | Article 800, CMG                                                                                              |
| AWM Compliance:                  | AWM 2919                                                                                                      |
| 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 M13146 6PR 20 AWG EXXXXXX 75C SHIELDED CMG (UL) C(UL) OR AWM STYLE 2919 LOW VOLTAGE COMPUTER CABLE CE ROHS |
|--------|------------------------------------------------------------------------------------------------------------------------------|

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.40 Revision Date: 08-29-2026 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item #       | Color | Putup Type | Length   |
|--------------|-------|------------|----------|
| M13146 SL005 | Slate | Reel       | 100 ft   |
| M13146 SL002 | Slate | Reel       | 500 ft   |
| M13146 SL001 | Slate | Reel       | 1,000 ft |

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