



Product: [M13502](#) 

AUDIO, 2C #18, Str, PVC, 300 V, CMG 75C, AWM/STYLE 2509 80C, CSA C(UL) TYPE CMG

Product Description

AUDIO, 2 Conductor 18 AWG (16/30) TC - Tinned Copper, PVC Insulation, Slate PVC Outer Jacket, CMG 75C, AWM/STYLE 2509 80C, 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.
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	18 AWG	16x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.016 in (0.41 mm)	0.079 in (2.0 mm)	Black, Red

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.020 in (0.51 mm)	0.198 in (5.03 mm)

Overall Cable Diameter (Nominal):	0.198 in (5.03 mm)
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Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Characteristic Impedence	Nom. Inductance
Conductor(s)	34 pF/ft (110 pF/m)	64 Ohm	0.18 µH/ft (0.59 µH/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.
2.0 in (51 mm)

Max. Pull Tension:	36 lbs (16 kg)
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Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
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 M13502 2C 18 AWG EXXXXXX 75C CMG (UL) C(UL) OR AWM STYLE 2509 CE ROHS
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History

Update and Revision:	Revision Number: 0.40 Revision Date: 08-29-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length
M13502 SL005	Slate	Reel	100 ft
M13502 SL002	Slate	Reel	500 ft
M13502 SL001	Slate	Reel	1,000 ft

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