



Product: [M33512](#) 

AUDIO, 12C #18, Str, PVC, 300 V, AWM/STYLE 2509 80C, CMG 75C, CSA C(UL) TYPE CMG, CSA FT4

Product Description

AUDIO, 12 Conductor 18 AWG (16/30) 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.
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	12	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, White, Green, Orange, Blue, Brown, Yellow, Violet, Slate, Pink, Tan

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.025 in (0.64 mm)	0.378 in (9.60 mm)

Overall Cable Diameter (Nominal):	0.378 in (9.60 mm)
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Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Inductance
Conductor(s)	34 pF/ft (110 pF/m)	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.	Installation Min.
2.3 in (58 mm)	3.0 in (76 mm)

Max. Pull Tension:	74 lbs (34 kg)
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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 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 M33512 12C 18 AWG EXXXXX 75C CMG (UL) OR AWM 2509 80C 300V C(UL) 75C CMG CE ROHS
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History

Update and Revision:	Revision Number: 0.17 Revision Date: 08-29-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length
M33512 SL005	Slate	Reel	100 ft

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