



Product: [M13242](#) 

AUDIO, 2C #18, Str, Polyethylene(PE), 300 V, CM 75C, AWM/STYLE 2092 60C, CSA C(UL) TYPE CM

Product Description

AUDIO, 2 Conductor 18 AWG (16/30) TC - Tinned Copper, Polyethylene(PE) Insulation, Overall Aluminum/Polyester Shield, Slate PVC Outer Jacket, CM 75C, AWM/STYLE 2092 60C, CSA C(UL) TYPE CM C(UL) TYPE CM

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)	PE - Polyethylene	0.019 in (0.48 mm)	0.085 in (2.2 mm)	Black, Clear

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.028 in (0.71 mm)	0.230 in (5.84 mm)

Overall Cable Diameter (Nominal):	0.230 in (5.84 mm)
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Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Inductance
Conductor(s)	24.1 pF/ft (79.1 pF/m)	43 pF/ft (140 pF/m)	64 Ohm	0.19 µH/ft (0.62 µH/m)

Nom Outer Shield DCR:	82 Ohm/1000ft (270 Ohm/km)
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Voltage

UL Voltage Rating
300 V (CM, AWM 2092)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
1.8 in (46 mm)	1.8 in (46 mm)

Max. Pull Tension:	151 lbs (68.5 kg)
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Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	AWM 2092
CEC / C(UL) Compliance:	CM
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 M13242 2C 18 AWG EXXXXX SHIELDED CM (UL) C(UL) 75C OR AWM 2092 CE ROHS
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History

Update and Revision:	Revision Number: 0.117 Revision Date: 08-29-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length
M13242 SL005	Slate	Reel	100 ft
M13242 SL002	Slate	Reel	500 ft
M13242 SL001	Slate	Reel	1,000 ft

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