



Product: [M1102](#)

AUDIO, 2C #24, Str, FRPE, 300 V, CM 75C, AWM/STYLE 2092 60C

Product Description

AUDIO, 2 Conductor 24 AWG (10/34) TC - Tinned Copper, FRPE Insulation, Overall Tinned Copper Shield, Slate PVC Outer Jacket, CM 75C, AWM/STYLE 2092 60C

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	24 AWG	10x34	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code	Notes
Conductor(s)	PE - Polyethylene	0.016 in (0.41 mm)	0.056 in (1.4 mm)	Black, White	Flame Retardant

Outer Shield

Shield Type	Material	Coverage
Braid	Tinned Copper (TC)	90%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.020 in (0.51 mm)	0.177 in (4.50 mm)

Overall Cable Diameter (Nominal):	0.177 in (4.50 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)	20.5 pF/ft (67.3 pF/m)	37 pF/ft (120 pF/m)	80 Ohm	0.22 µH/ft (0.72 µH/m)

Nom Outer Shield DCR:	68 Ohm/1000ft (220 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)	2.7 in (69 mm)

Max. Pull Tension:	162 lbs (73.5 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
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 M1102 2C 24 AWG EXXXXXX (UL) TYPE CM 75C OR AWM 2092 CE ROHS
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History

Update and Revision:	Revision Number: 0.15 Revision Date: 08-29-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length
M1102 SL005	Slate	Reel	100 ft
M1102 SL001	Slate	Reel	1,000 ft

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