



Product: [M1105](#)

AUDIO, 5C #24, Str, FRPE, 300 V, CM 75C, AWM/STYLE 2094 60C

Product Description

AUDIO, 5 Conductor 24 AWG (10/34) TC - Tinned Copper, FRPE Insulation, Overall Tinned Copper Shield, Slate PVC Outer Jacket, CM 75C, AWM/STYLE 2094 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)	5	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, Red, Green, Yellow	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)	0.217 in (5.51 mm)

Overall Cable Diameter (Nominal):	0.217 in (5.51 mm)
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Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance
Conductor(s)	19.1 pF/ft (62.7 pF/m)	34 pF/ft (110 pF/m)	0.22 µH/ft (0.72 µH/m)

Nom Outer Shield DCR:	39 Ohm/1000ft (130 Ohm/km)
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Voltage

UL Voltage Rating
300 V (CM, AWM 2094)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
2.2 in (56 mm)	3.3 in (84 mm)

Max. Pull Tension:	75 lbs (34 kg)
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Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	AWM 2094
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 M1105 5C 24 AWG EXXXXXX (UL) TYPE CM 75C OR AWM 2094 CE ROHS
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History

Update and Revision:	Revision Number: 0.82 Revision Date: 08-29-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length
M1105 SL001	Slate	Reel	1,000 ft

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