



Product: [M38950](#)

AUDIO, 50C #24, Str, PVC, Semi Rigid, 300 V, AWM/STYLE 2464 80C, CMG 75C, CSA C(UL) TYPE CMG, CSA FT4

Product Description

AUDIO, 50 Conductor 24 AWG (7/32) TC - Tinned Copper, PVC, Semi Rigid Insulation, Slate PVC Outer Jacket, AWM/STYLE 2464 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.
------------------------	--

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	50	24 AWG	7x32	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.010 in (0.25 mm)	0.044 in (1.1 mm)	Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Slate, White, White/Black, White/Brown, White/Red, White/Orange, White/Yellow, White/Green, White/Blue, White/Violet, White/Slate, White/Black/Brown, White/Black/Red, White/Black/Orange, White/Black/Yellow, White/Black/Green, White/Black/Blue, White/Black/Violet, White/Black/Slate, White/Brown/Red, White/Brown/Orange, White/Brown/Yellow, White/Brown/Green, White/Brown/Blue, White/Brown/Violet, White/Brown/Slate, White/Red/Orange, White/Red/Yellow, White/Red/Green, White/Red/Blue, White/Red/Violet, White/Red/Slate, White/Orange/Yellow, White/Orange/Green, White/Orange/Blue, White/Orange/Violet, White/Orange/Slate, White/Yellow/Green, White/Yellow/Blue, White/Yellow/Violet, White/Yellow/Slate, White/Green/Blue

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.426 in (10.8 mm)

Overall Cable Diameter (Nominal):	0.426 in (10.8 mm)
-----------------------------------	--------------------

Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Inductance
Conductor(s)	21.2 pF/ft (69.6 pF/m)	0.19 µH/ft (0.62 µH/m)

Voltage

UL Voltage Rating
300 V (CMG, AWM 2464)

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-20°C To +80°C

Bend Radius

Stationary Min.	Installation Min.
3.4 in (86 mm)	3.4 in (86 mm)

Max. Pull Tension:	138 lbs (62.6 kg)
--------------------	-------------------

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 2464
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 M38950 50C 24 AWG EXXXXXXX 75C CMG(UL) C(UL) OR AWM STYLE 2464 CE ROHS
--------	---

History

Update and Revision:	Revision Number: 0.28 Revision Date: 08-29-2026
----------------------	---

Part Numbers

Variants

Item #	Color	Putup Type	Length
M38950 SL005	Slate	Reel	100 ft
M38950 SL001	Slate	Reel	1,000 ft

© 2026 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.