



**Product:** [M39249](#) 

COMP, 2PR #24, Str, Polypropylene, Foam, 300 V, CM 75C, AWM/STYLE 2493 60C, CSA C(UL) TYPE CM

## Product Description

COMP, 2 Pair 24 AWG (7/32) TC - Tinned Copper, Polypropylene, Foam Insulation, Slate PVC Outer Jacket, CM 75C, AWM/STYLE 2493 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
Pair(s)	2	24 AWG	7x32	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PE - Polyethylene (Foam)	0.018 in (0.46 mm)	0.061 in (1.5 mm)	Black-Red, Black-White

#### Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	0.323 in (8.20 mm)	Yes

Overall Cable Diameter (Nominal):	0.323 in (8.20 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance
Pair(s)	12.5 pF/ft (41.0 pF/m)	230 pF/ft (750 pF/m)	100 Ohm

#### Voltage

<b>UL Voltage Rating</b>
300 V (CM)

### Mechanical Characteristics

#### Temperature

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

#### Bend Radius

<b>Stationary Min.</b>
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3.2 in (81 mm)

Max. Pull Tension: 75 lbs (34 kg)

## Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	AWM 2493
CEC / C(UL) Compliance:	CM
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 M39249 2PR 24 AWG EXXXXXX SHIELDED 75C CM (UL) C(UL) OR AWM 2493 CE ROHS
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## History

Update and Revision:	Revision Number: 0.9 Revision Date: 06-30-2026
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