



Product: [5474C](#) 

Communication and Control, 4PR #24, Str, PVC, Semi Rigid, 300 V, AWM/STYLE 2464 80C, CM 75C, CSA C(UL) TYPE CMG, CSA FT4

Product Description

Communication and Control, 4 Pair 24 AWG (7/32) TC - Tinned Copper, PVC, Semi Rigid Insulation, Overall Aluminum/Polyester Shield, Slate PVC Outer Jacket, AWM/STYLE 2464 80C, CM 75C, CSA C(UL) TYPE CMG, CSA FT4 C(UL) TYPE CMG, FT4 UL FT4; CSA FT4

Technical Specifications

Product Overview

Suitable Applications:	Industrial control systems, raceways, cable trays, and ducts; instrumentation and control circuits; analog and digital signals (4–20 mA, 0–10 V); PLC and DCS systems; sensors, encoders, solenoids, valves, actuators, and positioners.
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	4	24 AWG	7x32	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.010 in (0.25 mm)	0.044 in (1.1 mm)	Black-Red, Black-White, Black-Green, Black-Blue

Outer Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.243 in (6.17 mm)

Overall Cable Diameter (Nominal):	0.243 in (6.17 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
Pair(s)	24.4 pF/ft (80.1 pF/m)	44 pF/ft (140 pF/m)	77 Ohm	0.19 µH/ft (0.62 µH/m)

Nom Outer Shield DCR:	159 Ohm/1000ft (522 Ohm/km)
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Voltage

UL Voltage Rating
300 V (CMG, CM, AWM 2464)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.

2.4 in (61 mm)

Max. Pull Tension: 74 lbs (34 kg)

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, FT4
NEC / UL Compliance:	Article 800, CMG, CM
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 5474C 4PR 24 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2464 OR C(UL) 60C TYPE CMG FT4 CE ROHS
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History

Update and Revision:	Revision Number: 0.100 Revision Date: 06-30-2026
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Part Numbers**Variants**

Item #	Color	Putup Type	Length
5474C SL005	Black and Red	Reel	100 ft
5474C SL002	Black and Red	Reel	500 ft
5474C SL001	Black and Red	Reel	1,000 ft

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