



**Product:** [6403](#) 

Communication and Control, 4PR #24, Str, Polyethylene(PE), 300 V, AWM/STYLE 2919 80C, CM 75C, VW-1, CSA C(UL) TYPE CM

## Product Description

Communication and Control, 4 Pair 24 AWG (7/32) TC - Tinned Copper, Polyethylene(PE) Insulation, Overall Aluminum/Polyester Shield, Slate PVC Outer Jacket, AWM/STYLE 2919 80C, CM 75C, VW-1, CSA C(UL) TYPE CM C(UL) TYPE CM UL VW-1

## 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)	4	24 AWG	7x32	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PE - Polyethylene	0.016 in (0.41 mm)	0.056 in (1.4 mm)	Blue/White - White/Blue, Orange/White - White/Orange, Green/White - White/Green, Brown/White - White/Brown

#### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC
Braid	Tinned Copper (TC)	65%	

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.318 in (8.08 mm)

Overall Cable Diameter (Nominal):	0.318 in (8.08 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)	15.5 pF/ft (50.9 pF/m)	275 pF/ft (902 pF/m)	100 Ohm

Nom Outer Shield DCR:	34 Ohm/1000ft (110 Ohm/km)
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#### Voltage

UL Voltage Rating
300 V (CM), 30 V (AWM 2919)

### Mechanical Characteristics

#### Temperature

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

## Bend Radius

### Stationary Min.

3.2 in (81 mm)

Max. Pull Tension: 19.7 lbs (8.94 kg)

## Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL VW-1
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	AWM 2919
CEC / C(UL) Compliance:	CM
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 6403 4PR 24 AWG SHIELDED 75C (UL) C(UL) TYPE CM OR AWM 2919 LOW VOLTAGE COMPUTER CABLE CE ROHS

## History

Update and Revision: Revision Number: 0.12 Revision Date: 06-30-2026

## Part Numbers

### Variants

#### Item #

6403 SL005

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