



Product: [6087C](#) 

Communication and Control, 7PR #24, Str, Polyethylene, High Density, 300 V, AWM/STYLE 2919 80C, CM 75C, VW-1, CSA CMG, CSA FT4

Product Description

Communication and Control, 7 Pair 24 AWG (7/32) TC - Tinned Copper, Polyethylene, High Density Insulation, Overall Aluminum/Polyester Shield, Slate PVC Outer Jacket, AWM/STYLE 2919 80C, CM 75C, VW-1, CSA CMG, CSA FT4 CMG, FT4 UL FT4, VW-1; 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)	7	24 AWG	7x32	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	HDPE - High-Density Polyethylene	0.010 in (0.25 mm)	0.044 in (1.1 mm)	Blue/White - White/Blue, Orange/White - White/Orange, Green/White - White/Green, Brown/White - White/Brown, Slate/White - White/Slate, Blue/Red - Red/Blue, Orange/Red - Red/Orange

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	0.035 in (0.89 mm)	0.297 in (7.54 mm)

Overall Cable Diameter (Nominal):	0.297 in (7.54 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)	15.4 pF/ft (50.5 pF/m)	28 pF/ft (92 pF/m)	100 Ohm	0.19 µH/ft (0.62 µH/m)

Nom Outer Shield DCR:	115 Ohm/1000ft (377 Ohm/km)
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Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.

3.0 in (76 mm)

Max. Pull Tension: 36 lbs (16 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, CM
AWM Compliance:	AWM 2919
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 6087C 7PR 24 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2919 LOW VOLTAGE COMPUTER CABLE --- LLXXXXXX CSA TYPE CMG 60C FT4 CE ROHS
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History

Update and Revision:	Revision Number: 0.10 Revision Date: 06-30-2026
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Part Numbers

Variants

Item #	Putup Type	Length
6087C SL005	Reel	100 ft

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