



Product: [6052C](#) 

Communication and Control, 2PR #22, Str, PVC, 300 V, AWM/STYLE 2464 80C, CM 75C, VW-1, CSA CMG, CSA FT4

Product Description

Communication and Control, 2 Pair 22 AWG (7/30) TC - Tinned Copper, PVC Insulation, Slate PVC Outer Jacket, AWM/STYLE 2464 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)	2	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.016 in (0.41 mm)	0.062 in (1.6 mm)	Black-Red, Black-White

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.043 in (1.1 mm)	0.316 in (8.03 mm)

Overall Cable Diameter (Nominal):	0.316 in (8.03 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)	38 pF/ft (120 pF/m)	68 pF/ft (220 pF/m)	56 Ohm	0.2 µH/ft (0.66 µH/m)

Voltage

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

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: 186 lbs (84.4 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 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 6052C 2PR 22 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2464 OR C(UL) 75C TYPE CMG FT4 CE ROHS

History

Update and Revision: Revision Number: 0.113 Revision Date: 06-30-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length
6052C SL005	Black and Red	Reel	100 ft
6052C SL002	Black and Red	Reel	500 ft
6052C SL001	Black and Red	Reel	1,000 ft

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