



Product: [6033C](#) 

Communication and Control, 3PR #20, Str, Polypropylene(PP), 300 V, AWM/STYLE 2493 60C, CMG 75C, VW-1, CSA C(UL) TYPE CMG, CSA FT4

Product Description

Communication and Control, 3 Pair 20 AWG (7/28) TC - Tinned Copper, Polypropylene(PP) Insulation, Slate PVC Outer Jacket, AWM/STYLE 2493 60C, CMG 75C, VW-1, CSA C(UL) TYPE CMG, CSA FT4 C(UL) TYPE 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)	3	20 AWG	7x28	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.013 in (0.33 mm)	0.064 in (1.6 mm)	Black-Red, Black-White, Black-Green

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	0.047 in (1.2 mm)	0.349 in (8.86 mm)

Overall Cable Diameter (Nominal):	0.349 in (8.86 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)	25 pF/ft (82 pF/m)	450 pF/ft (1500 pF/m)	60 Ohm	0.18 µH/ft (0.59 µH/m)

Voltage

UL Voltage Rating
300 V (CMG, AWM 2493)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.

3.5 in (89 mm)

Max. Pull Tension: 42 lbs (19 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
AWM Compliance:	AWM 2493
CEC / C(UL) Compliance:	CMG
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 6033C 3PR 20 AWG EXXXXX SHIELDED 75C (UL) C(UL) CMG FT4 OR AWM 2493 CE ROHS

History

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

Part Numbers

Variants

Item #	Color
6033C SL002	Black and Red
6033C SL001	Black and Red
6033C SL005	Black and Red

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