



Product: [M39071](#) 

CONTROL, 2C #22, Str, PVC, 300 V, ITC 105C, SUN RES, PLTC 105C, CMG 105C, CSA C(UL) TYPE CMG

Product Description

CONTROL, 2 Conductor 22 AWG (7/30) TC - Tinned Copper, PVC Insulation, Slate PVC Outer Jacket, ITC 105C, SUN RES, PLTC 105C, CMG 105C, CSA C(UL) TYPE CMG C(UL) TYPE CMG

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
Conductor(s)	2	22 AWG	7x30	TC - Tinned Copper

Insulation

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.038 in (0.97 mm)	0.203 in (5.16 mm)

Overall Cable Diameter (Nominal):	0.203 in (5.16 mm)
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Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Characteristic Impedence	Nom. Inductance
Conductor(s)	24.9 pF/ft (81.7 pF/m)	87 Ohm	0.2 µH/ft (0.66 µH/m)

Voltage

UL Voltage Rating
300 V (PLTC, ITC, CMG, CL3)

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-20°C To +105°C

Bend Radius

Stationary Min.
2.0 in (51 mm)

Max. Pull Tension:	21.1 lbs (9.57 kg)
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Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, PLTC, ITC
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 M39071 2C 22 AWG EXXXXX (UL) TYPE PLTC/ITC 105C SUN RES OR CMG 105C OR C(UL) CMG FT4 CE ROHS
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History

Update and Revision:	Revision Number: 0.15 Revision Date: 06-30-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length
M39071 SL005	Black	Reel	100 ft
M39071 SL001	Black	Reel	1,000 ft

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