



Product: [5206C](#) 

XTRAGUARD 1, 37C #24, Str, PVC, Semi Rigid, 300 V, AWM/STYLE 2343 80C, CM 105C, VW-1, AWM/STYLE 10002 105C, AWM/STYLE 2517 105C, SUN RES, CSA CMG, CSA FT4

Product Description

XTRAGUARD 1, 37 Conductor 24 AWG (7/32) TC - Tinned Copper, PVC, Semi Rigid Insulation, Slate PVC Outer Jacket, AWM/STYLE 2343 80C, CM 105C, VW-1, AWM/STYLE 10002 105C, AWM/STYLE 2517 105C, SUN RES, CSA CMG, CSA FT4 CMG, FT4 UL FT4, VW-1; CSA FT4; EN 60332-1 Flame Behavior; EN 60332-2 Flame Behavior

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
Conductor(s)	37	24 AWG	7x32	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.010 in (0.25 mm)	0.044 in (1.1 mm)	Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Slate, White, White/Black, White/Brown, White/Red, White/Orange, White/Yellow, White/Green, White/Blue, White/Violet, White/Slate, White/Black/Brown, White/Black/Red, White/Black/Orange, White/Black/Yellow, White/Black/Green, White/Black/Blue, White/Black/Violet, White/Black/Slate, White/Brown/Red, White/Brown/Orange, White/Brown/Yellow, White/Brown/Green, White/Brown/Blue, White/Brown/Violet, White/Brown/Slate, White/Red/Orange, White/Red/Yellow, White/Red/Green

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.438 in (11.1 mm)	Yes

Overall Cable Diameter (Nominal):	0.438 in (11.1 mm)
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Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Inductance
Conductor(s)	21.2 pF/ft (69.6 pF/m)	0.19 µH/ft (0.62 µH/m)

Voltage

UL Voltage Rating
300 V (CM, CMG, AWM 2343, AWM 2517)

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-35°C To +105°C

Bend Radius

Stationary Min.	Installation Min.
3.5 in (89 mm)	3.5 in (89 mm)

Max. Pull Tension:	63 lbs (29 kg)
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Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4, IEC 60332-1-2, IEC 60332-2-2
NEC / UL Compliance:	Article 800, CMG, CM
AWM Compliance:	AWM 2343AWM 2517
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 5206C 37C 24 AWG XTRAGUARD(R) 1 (UL) TYPE CM 105C SUN RES OR AWM 2343 80C 300V OR AWM 2517 105C 300V VW-1 --- LLXXXXXX CSA 105C TYPE CMG FT4 CE ROHS OIL RESISTANT (SEQ FOOTAGE)
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History

Update and Revision:	Revision Number: 0.130 Revision Date: 06-30-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length
5206C SL005	Black	Reel	100 ft

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