



**Product:** [5080C](#) 

XTRAGUARD 1, 10C #16, Str, PVC, 300 V, AWM/STYLE 2464 80C, CM 105C, VW-1, AWM/STYLE 1569 105C, AWM/STYLE 2517 105C, SUN RES, CSA C(UL) TYPE CMG, CSA FT4

## Product Description

XTRAGUARD 1, 10 Conductor 16 AWG (19/0117) TC - Tinned Copper, PVC Insulation, Slate PVC Outer Jacket, AWM/STYLE 2464 80C, CM 105C, VW-1, AWM/STYLE 1569 105C, AWM/STYLE 2517 105C, SUN RES, CSA C(UL) TYPE CMG, CSA FT4 C(UL) TYPE 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)	10	16 AWG	19x29	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.016 in (0.41 mm)	0.091 in (2.3 mm)	Black, Red, White, Green, Orange, Blue, Brown, Yellow, Violet, Slate

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.432 in (11.0 mm)	Yes

Overall Cable Diameter (Nominal):	0.432 in (11.0 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Inductance
Conductor(s)	32 pF/ft (100 pF/m)	0.17 $\mu$ H/ft (0.56 $\mu$ H/m)

#### Voltage

UL Voltage Rating
300 V (CMG, CM, AWM 2464, AWM 2517)

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
105°C	-30°C To +105°C

#### Bend Radius

Stationary Min.	Installation Min.
2.2 in (56 mm)	2.2 in (56 mm)

Max. Pull Tension:	250 lbs (110 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 2464AWM 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 5080C 10C 16 AWG XTRAGUARD(R) 1 (UL) TYPE CM 105C SUN RES OR AWM 2464 80C 300V OR AWM 2517 105C 300V VW-1 OR C(UL) TYPE CMG 105C FT4 CE ROHS OIL RESISTANT (SEQ FOOTAGE)
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## History

Update and Revision:	Revision Number: 0.124 Revision Date: 06-30-2026
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## Part Numbers

### Variants

Item #	Color
5080C SL005	Black

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