



**Product:** [45096](#) 

XTRAGUARD 4, 6C #24, Str, TPE, 300 V, AWM/STYLE 20237 125C, AWM/STYLE 21918 125C, SUN RES, CSA C(RU) AWM I/II A/B FT1, CSA SUN RES (Black only)

## Product Description

XTRAGUARD 4, 6 Conductor 24 AWG (7/32) TC - Tinned Copper, TPE Insulation, Overall Aluminum/Polyester Shield, Slate TPE Outer Jacket, AWM/STYLE 20237 125C, AWM/STYLE 21918 125C, SUN RES, CSA C(RU) AWM I/II A/B FT1, CSA SUN RES (Black only) C(RU) AWM I/II A/B FT1, SUN RES (Black only)

## 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)	6	24 AWG	7x32	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	TPE - Thermoplastic Elastomer	0.016 in (0.41 mm)	0.056 in (1.4 mm)	Black, Brown, Red, Orange, Yellow, Green

#### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
TPE - Thermoplastic Elastomer	0.042 in (1.1 mm)	0.261 in (6.63 mm)	Yes

Overall Cable Diameter (Nominal):	0.261 in (6.63 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance
Conductor(s)	18.1 pF/ft (59.4 pF/m)	33 pF/ft (110 pF/m)	0.22 μH/ft (0.72 μH/m)

Nom Outer Shield DCR:	159 Ohm/1000ft (522 Ohm/km)
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#### Voltage

UL Voltage Rating	Voltage Rating
300 V (AWM 20237, AWM 21918)	300 V (CSA AWM)

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
125°C	-50°C To +125°C

#### Bend Radius

**Stationary Min.**

2.6 in (66 mm)

Max. Pull Tension: 19.1 lbs (8.66 kg)

**Standards and Compliance**

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance - Black only
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	FT1
AWM Compliance:	AWM 20237AWM 21918, AWM I/II A/B
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 45096 6C 24 AWG XTRAGUARD(R) 4 RU AWM 20237/21918 125C 300V SUN RES OR CRU AWM I/II A/B 125C 300 VOLTS FT1 P-07-KA140023-MSHA CE ROHS (SEQ FOOTAGE)
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**History**

Update and Revision:	Revision Number: 0.123 Revision Date: 06-30-2026
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**Part Numbers****Variants**

Item #	Color	Putup Type	Length
45096 BK199	Black	Cut to Length	1 ft
45096 BK005	Black	Reel	100 ft

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