



Product: [25092](#) 

XTRAGUARD 2, 2C #24, Str, PVC, Semi Rigid, 300 V, AWM/STYLE 20668 90C, VW-1, AWM/STYLE 10002 105C, CSA AWM I/II A/B, CSA FT1

Product Description

XTRAGUARD 2, 2 Conductor 24 AWG (7/32) TC - Tinned Copper, PVC, Semi Rigid Insulation, Overall Aluminum/Polyester Shield, Slate Polyurethane (TPU) Outer Jacket, AWM/STYLE 20668 90C, VW-1, AWM/STYLE 10002 105C, CSA AWM I/II A/B, CSA FT1 AWM I/II A/B, FT1 UL FT1, VW-1; CSA FT1

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	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

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
PUR - Polyurethane	0.032 in (0.81 mm)	0.160 in (4.06 mm)	Yes

Overall Cable Diameter (Nominal):	0.160 in (4.06 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
Conductor(s)	34 pF/ft (110 pF/m)	61 pF/ft (200 pF/m)	55 Ohm	0.19 µH/ft (0.62 µH/m)

Nom Outer Shield DCR:	195 Ohm/1000ft (640 Ohm/km)
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Voltage

UL Voltage Rating	Voltage Rating
300 V (AWM 20668)	300 V (CSA AWM)

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-30°C To +90°C

Bend Radius

Stationary Min.

1.6 in (41 mm)

Max. Pull Tension: 16.1 lbs (7.30 kg)

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 FT1 Loading, FT1
AWM Compliance:	AWM 20668, 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 25092 2C 24 AWG XTRAGUARD(R) 2 RU AWM 20668 VW-1 OR CRU AWM I/II A/B 90C 300 VOLTS FT1 CE ROHS (SEQ FOOTAGE)
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History

Update and Revision:	Revision Number: 0.113 Revision Date: 06-30-2026
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Part Numbers**Variants**

Item #	Color	Putup Type	Length
25092 BK005	Black	Reel	100 ft

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