



**Product:** [5274C](#) 

XTRAGUARD 1, 4PR #24, Str, PVC, Semi Rigid, 300 V, AWM/STYLE 2464 80C, CM 105C, VW-1, AWM/STYLE 10002 105C, AWM/STYLE 2517 105C, SUN RES, CSA CMG, CSA FT4

## Product Description

XTRAGUARD 1, 4 Pair 24 AWG (7/32) TC - Tinned Copper, PVC, Semi Rigid Insulation, Overall Aluminum/Polyester Shield, Slate PVC Outer Jacket, AWM/STYLE 2464 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
Pair(s)	4	24 AWG	7x32	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.010 in (0.25 mm)	0.044 in (1.1 mm)	White-Black, White-Brown, White-Red, White-Orange

#### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC
Braid	Tinned Copper (TC)	70%	

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.271 in (6.88 mm)	Yes

Overall Cable Diameter (Nominal):	0.271 in (6.88 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Inductance
Pair(s)	24.4 pF/ft (80.1 pF/m)	44 pF/ft (140 pF/m)	77 Ohm	0.19 µH/ft (0.62 µH/m)

Nom Outer Shield DCR:	36 Ohm/1000ft (120 Ohm/km)
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#### Voltage

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

### Mechanical Characteristics

#### Temperature

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

## Bend Radius

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

Max. Pull Tension: 355 lbs (161 kg)

## 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 5274C 4PR 24 AWG XTRAGUARD(R) 1 SHIELDED (UL) TYPE CM 105C SUN RES OR AWM 2464 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: 0.117 Revision Date: 06-30-2026
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## Part Numbers

### Variants

Item #	Color
5274C SL001	White/Black
5274C SL005	White/Black
5274C SL002	White/Black

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