



**Product:** [45129/15](#) 

XTRAGUARD 4, 15PR #22, Str, TPE, 300 V, AWM/STYLE 20237 125C, PLTC 105C, AWM/STYLE 21918 125C, SUN RES, CSA C(RU) AWM I/II A/B FT1, CSA SUN RES (Black only)

## Product Description

XTRAGUARD 4, 15 Pair 22 AWG (7/30) TC - Tinned Copper, TPE Insulation, Overall Aluminum/Polyester Shield, Slate TPE Outer Jacket, AWM/STYLE 20237 125C, PLTC 105C, 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
Pair(s)	15	22 AWG	7x30	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	TPE - Thermoplastic Elastomer	0.016 in (0.41 mm)	0.062 in (1.6 mm)	White-Black, White-Brown, White-Red, White-Orange, White-Yellow, White-Green, White-Blue, White-Violet, White-Slate, Black-Brown, Black-Red, Black-Orange, Black-Yellow, Black-Green, Black-Blue

#### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC
Braid	Tinned Copper (TC)	70%	

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
TPE - Thermoplastic Elastomer	0.065 in (1.7 mm)	0.632 in (16.1 mm)	Yes

Overall Cable Diameter (Nominal):	0.632 in (16.1 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
Pair(s)	15.1 pF/ft (49.5 pF/m)	27 pF/ft (89 pF/m)	105 Ohm	0.2 µH/ft (0.66 µH/m)

Nom Outer Shield DCR:	19 Ohm/1000ft (62 Ohm/km)
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#### Voltage

UL Voltage Rating	Voltage Rating
300 V (PLTC, 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.

6.3 in (160 mm)

Max. Pull Tension: 67 lbs (30 kg)

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance - Black only
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	FT1
NEC / UL Compliance:	Article 725, PLTC
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 45129/15 15PR 22 AWG XTRAGUARD(R) 4 (UL) TYPE PLTC 105C SUN RES OR AWM 20237/21918 125C 300 V OR CRU AWM I/II A/B 125C 300 V FT1 P-07-KA140023-MSHA CE ROHS (SEQ FOOTAGE)
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## History

Update and Revision:	Revision Number: 0.14 Revision Date: 06-30-2026
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length
45129/15 BK199	White/Black	Cut to Length	1 ft

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