



Product: [45450/3](#) 

XTRAGUARD 4, 3C #14, Str, TPE, 600/1000 V, AWM/STYLE 20328 105C, TC 90C, WTTTC 90C, SUN RES, CSA C(RU) AWM I/II A/B FT1, CSA SUN RES (Black only)

Product Description

XTRAGUARD 4, 3 Conductor 14 AWG (41/30) TC - Tinned Copper, TPE Insulation, Overall Aluminum/Polyester Shield, Slate TPE Outer Jacket, AWM/STYLE 20328 105C, TC 90C, WTTTC 90C, 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)	3	14 AWG	41x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	TPE - Thermoplastic Elastomer	0.032 in (0.81 mm)	0.137 in (3.48 mm)	Black, Brown, Red

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	14 AWG (41x30) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
TPE - Thermoplastic Elastomer	0.055 in (1.4 mm)	0.413 in (10.5 mm)	Yes

Overall Cable Diameter (Nominal):	0.413 in (10.5 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)	22.3 pF/ft (73.2 pF/m)	40 pF/ft (130 pF/m)	0.19 μ H/ft (0.62 μ H/m)

Nom Outer Shield DCR:	25 Ohm/1000ft (82 Ohm/km)
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Voltage

UL Voltage Rating	Voltage Rating
600 V (TC, AWM 20328), 1000 V (WTTTC)	600 V (CSA AWM)

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-50°C To +125°C

Bend Radius

Stationary Min.

4.1 in (100 mm)

Max. Pull Tension: 38 lbs (17 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 336, TC
AWM Compliance:	AWM 20328, 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 45450/3 3C 14 AWG XTRAGUARD(R) 4 E324185 (UL) TYPE WTTC 90C DRY 1000V OR (UL) TYPE TC 90C DRY 600V SUN RES OR AWM 20328 105C 600V 14 AWG OR CRU AWM I/II A/B 125C 600V FT1 CE ROHS (SEQ FOOTAGE)
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History

Update and Revision:	Revision Number: 0.15 Revision Date: 06-30-2026
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Part Numbers**Variants**

Item #	Color	Putup Type	Length
45450/3 BK199	Black	Cut to Length	1 ft

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