



Product: [45363](#) 

XTRAGUARD 4, 3C #16, 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, 3 Conductor 16 AWG (19x29) 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.
------------------------	--

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	16 AWG	19x29	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	TPE - Thermoplastic Elastomer	0.016 in (0.41 mm)	0.091 in (2.3 mm)	Black, Red, White

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	16 AWG (19x29) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
TPE - Thermoplastic Elastomer	0.045 in (1.1 mm)	0.294 in (7.47 mm)	Yes

Overall Cable Diameter (Nominal):	0.294 in (7.47 mm)
-----------------------------------	--------------------

Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance
Conductor(s)	29 pF/ft (95 pF/m)	52 pF/ft (170 pF/m)	0.17 μH/ft (0.56 μH/m)

Nom Outer Shield DCR:	39 Ohm/1000ft (130 Ohm/km)
-----------------------	----------------------------

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.

2.9 in (74 mm)

Max. Pull Tension: 82 lbs (37 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 45363 3C 16 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)
--------	---

History

Update and Revision:	Revision Number: 0.122 Revision Date: 06-30-2026
----------------------	--

Part Numbers**Variants**

Item #	Color	Putup Type	Length
45363 BK199	Black	Cut to Length	1 ft
45363 BK005	Black	Reel	100 ft

© 2026 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.