



Product: [45058](#) 

XTRAGUARD 4, 8C #20, Str, TPE, 300 V, AWM/STYLE 21916 125C, PLTC 105C, SUN RES, CSA C(RU) AWM I/II A/B FT1, CSA SUN RES (Black only)

Product Description

XTRAGUARD 4, 8 Conductor 20 AWG (7/28) TC - Tinned Copper, TPE Insulation, Slate TPE Outer Jacket, AWM/STYLE 21916 125C, PLTC 105C, 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)	8	20 AWG	7x28	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	TPE - Thermoplastic Elastomer	0.016 in (0.41 mm)	0.070 in (1.8 mm)	Black, Red, White, Green, Orange, Blue, Brown, Yellow

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
TPE - Thermoplastic Elastomer	0.045 in (1.1 mm)	0.328 in (8.33 mm)	Yes

Overall Cable Diameter (Nominal):	0.328 in (8.33 mm)
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Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Inductance
Conductor(s)	15.5 pF/ft (50.9 pF/m)	0.19 μ H/ft (0.62 μ H/m)

Voltage

UL Voltage Rating	Voltage Rating
300 V (PLTC, AWM 21916)	300 V (CSA AWM)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.
3.3 in (84 mm)

Max. Pull Tension:	204 lbs (92.5 kg)
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Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance - Black only
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Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	FT1
NEC / UL Compliance:	Article 725, PLTC
AWM Compliance:	AWM 21916, 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 45058 8C 20 AWG XTRAGUARD(R) 4 (UL) TYPE PLTC 105C SUN RES OR AWM 21916 125C 300 V OR CRU AWM I/II A/B 125C 300V FT1 P-07-KA140023-MSHA CE ROHS (SEQ FOOTAGE)
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History

Update and Revision:	Revision Number: 0.25 Revision Date: 06-30-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length
45058 BK199	Black	Cut to Length	1 ft
45058 BK005	Black	Reel	100 ft

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