



Product: [55293](#) 

XTRAGUARD 5, 3PR #20, Str, FEP, 300 V, CMP 150C, AWM/STYLE 20229 150C, CSA CMP, CSA FT6

Product Description

XTRAGUARD 5, 3 Pair 20 AWG (7/28) TC - Tinned Copper, FEP Insulation, Overall Aluminum/Polyester Shield, Natural/Translucent FEP Outer Jacket, CMP 150C, AWM/STYLE 20229 150C, CSA CMP, CSA FT6 CMP, FT6 UL FT6; CSA FT6

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)	3	20 AWG	7x28	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene	0.010 in (0.25 mm)	0.058 in (1.5 mm)	Black-Red, Black-White, Black-Green

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC
Braid	Tinned Copper (TC)	70%	

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
FEP - Fluorinated Ethylene Propylene	0.027 in (0.69 mm)	0.293 in (7.44 mm)	Yes

Overall Cable Diameter (Nominal):	0.293 in (7.44 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)	17.6 pF/ft (57.7 pF/m)	32 pF/ft (100 pF/m)	84 Ohm	0.17 µH/ft (0.56 µH/m)

Nom Outer Shield DCR:	28 Ohm/1000ft (92 Ohm/km)
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Voltage

UL Voltage Rating
300 V (CMP, AWM 20229)

Mechanical Characteristics

Temperature

UL Temperature	Operating
150°C	-80°C To +200°C

Bend Radius

Stationary Min.

2.9 in (74 mm)

Max. Pull Tension: 168 lbs (76.2 kg)

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 FT6 Loading, FT6
NEC / UL Compliance:	Article 800, CMP
AWM Compliance:	AWM 20229
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 55293 3PR 20 AWG XTRAGUARD(R) 5 - 20 AWG SHIELDED 150C (UL) CMP OR AWM 20229 -- LLXXXXXX CSA CMP FT6 CE ROHS

History

Update and Revision: Revision Number: 0.10 Revision Date: 06-30-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length
55293 NA199	Black and Red	Cut to Length	1 ft

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