



Product: [8672006CY](#) 

XTRAGUARD FLEX, 6PR #20, Str, PVC, Semi Rigid, 300 V, AWM/STYLE 10002 105C, AWM/STYLE 2661 105C, CM 105C, SUN RES, PLTC 105C, CSA AWM I/II A/B, CSA C(UL) TYPE CMG, CSA FT4

Product Description

XTRAGUARD FLEX, 6 Pair 20 AWG (19/32) TC - Tinned Copper, PVC, Semi Rigid Insulation, Overall Aluminum/Polyester Shield, Slate PVC Outer Jacket, AWM/STYLE 10002 105C, AWM/STYLE 2661 105C, CM 105C, SUN RES, PLTC 105C, CSA AWM I/II A/B, CSA C(UL) TYPE CMG, CSA FT4 AWM I/II A/B, C(UL) TYPE CMG, FT4 UL FT4; CSA FT4

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)	6	20 AWG	19x32	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.010 in (0.25 mm)	0.060 in (1.5 mm)	Black-Red, Black-White, Black-Green, Black-Blue, Black-Brown, Black-Yellow

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	26 AWG (7x34) TC
Braid	Tinned Copper (TC)	85%	

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.053 in (1.3 mm)	0.443 in (11.3 mm)

Overall Cable Diameter (Nominal):	0.443 in (11.3 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)	27 pF/ft (89 pF/m)	49 pF/ft (160 pF/m)	69 Ohm	0.16 µH/ft (0.52 µH/m)

Nom Outer Shield DCR:	205 Ohm/1000ft (673 Ohm/km)
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Voltage

UL Voltage Rating	Voltage Rating
300 V (AWM 2661, CMG, CM)	300 V (CSA AWM)

Mechanical Characteristics

Temperature

UL Temperature	Operating	Installation
105°C	-10°C To +105°C	+5°C To +105°C

Bend Radius

Stationary Min.	Installation Min.
2.2 in (56 mm)	2.2 in (56 mm)

Max. Pull Tension: 11.3 lbs (5.13 kg)

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4
NEC / UL Compliance:	Article 725, Article 800, CMG, CM, PLTC
AWM Compliance:	AWM 2661, AWM I/II A/B
CEC / C(UL) Compliance:	CMG
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 8672006CY 6PR 20 AWG XTRAGUARD(R) CONTINUOUS FLEX DATA CABLE (UL) TYPE PLTC 105C OR TYPE CM 105C SUN RES OR C(UL) CMG OR AWM 2661 105C 300V --- LLXXXXXX CSA AWM I/II A/B FT4 105C 300V CE ROHS OIL RESISTANT (SEQ FOOTAGE)
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History

Update and Revision:	Revision Number: 0.12 Revision Date: 06-30-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length
8672006CY SL005	Black and Red	Reel	100 ft

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