



Product: [65012CY](#) 

XTRAGUARD FLEX, 12C #20, Str, PVC, 600 V, AWM/STYLE 2587 90C, CSA C(RU) AWM I/II A/B, CSA FT1

Product Description

XTRAGUARD FLEX, 12 Conductor 20 AWG (10/30) BC - Bare Copper, PVC Insulation, Overall Tinned Copper Shield, Slate PVC, Oil Resistant Outer Jacket, AWM/STYLE 2587 90C, CSA C(RU) AWM I/II A/B, CSA FT1 C(RU) AWM I/II A/B, FT1 UL FT1; CSA FT1

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)	12	20 AWG	10x30	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.022 in (0.56 mm)	0.081 in (2.1 mm)	Black #1, Black #2, Black #3, Black #4, Black #5, Black #6, Black #7, Black #8, Black #9, Black #10, Black #11, Yellow/Green

Outer Shield

Shield Type	Material	Coverage
Braid	Tinned Copper (TC)	85%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.040 in (1.0 mm)	0.491 in (12.5 mm)

Overall Cable Diameter (Nominal):	0.491 in (12.5 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)	33 pF/ft (110 pF/m)	59 pF/ft (190 pF/m)	0.21 μH/ft (0.69 μH/m)

Nom Outer Shield DCR:	29 Ohm/1000ft (95 Ohm/km)
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Voltage

UL Voltage Rating	Voltage Rating
600 V (AWM 2587)	600 V (CSA AWM)

Mechanical Characteristics

Temperature

UL Temperature	Operating	Installation
90°C	-40°C To +90°C	-5°C To +90°C

Bend Radius

Stationary Min.

4.9 in (120 mm)

Max. Pull Tension: 151 lbs (68.5 kg)

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 FT1 Loading, FT1
AWM Compliance:	AWM 2587, AWM I/II A/B
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 65012CY 12C 20 AWG XTRAGUARD(R) FLEXIBLE CONTROL CABLE RU AWM 2587 CLASS K OR CRU AWM I/II A/B FT1 90C 600V 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 #	Putup Type	Length
65012CY SL005	Reel	100 ft

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