



Product: [1065](#) 

Communication and Control, 5C #16, Str, PVC, 600 V, AWM/STYLE 2463 80C, VW-1

Product Description

Communication and Control, 5 Conductor 16 AWG (19/0117) TC - Tinned Copper, PVC Insulation, Slate PVC Outer Jacket, AWM/STYLE 2463 80C, VW-1 UL VW-1

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)	5	16 AWG	19x29	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.123 in (3.12 mm)	Black, White, Red, Green, Orange

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.430 in (10.9 mm)

Overall Cable Diameter (Nominal): 0.430 in (10.9 mm)

Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Inductance
Conductor(s)	25 pF/ft (82 pF/m)	0.2 µH/ft (0.66 µH/m)

Voltage

UL Voltage Rating
600 V (AWM 2463)

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-20°C To +80°C

Bend Radius

Stationary Min.
4.3 in (110 mm)

Max. Pull Tension: 102 lbs (46.3 kg)

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL VW-1
AWM Compliance:	AWM 2463
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 1065 5C 16 AWG RU AWM 2463 VW-1 80C 600V CE ROHS
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History

Update and Revision:	Revision Number: 0.120 Revision Date: 06-30-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length
1065 SL005	Black	Reel	100 ft
1065 SL002	Black	Reel	500 ft
1065 SL001	Black	Reel	1,000 ft

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