



Product: [2473](#) 

Communication and Control, 1PR #12, Str, FRPE, 600 V, AWM/STYLE 2106 60C, VW-1

Product Description

Communication and Control, 1 Pair 12 AWG (19/25) TC - Tinned Copper, FRPE Insulation, Overall Aluminum/Polyester Shield, Slate PVC Outer Jacket, AWM/STYLE 2106 60C, 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
Pair(s)	1	12 AWG	19x25	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code	Notes
Pair(s)	PE - Polyethylene	0.037 in (0.94 mm)	0.164 in (4.17 mm)	Black-White	Flame Retardant

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	14 AWG (41x30) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.040 in (1.0 mm)	0.412 in (10.5 mm)

Overall Cable Diameter (Nominal):	0.412 in (10.5 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)	28 pF/ft (92 pF/m)	50 pF/ft (160 pF/m)	60 Ohm	0.19 µH/ft (0.62 µH/m)

Nom Outer Shield DCR:	27 Ohm/1000ft (89 Ohm/km)
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Voltage

UL Voltage Rating
600 V (AWM 2106)

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-20°C To +60°C

Bend Radius

Stationary Min.

4.1 in (100 mm)

Max. Pull Tension: 7 lbs (3.2 kg)

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL VW-1
AWM Compliance:	AWM 21026
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 2473 1PR 12 AWG RU AWM 2106 60C 600V VW-1 CE ROHS
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History

Update and Revision:	Revision Number: 0.102 Revision Date: 06-30-2026
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Part Numbers**Variants**

Item #	Color	Putup Type	Length
2473 SL005	Black And White	Reel	100 ft
2473 SL002	Black And White	Reel	500 ft
2473 SL001	Black And White	Reel	1,000 ft

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