



Product: [30P1601](#) 

300V, (1 pr) 16 AWG (7x24) BC, PVC/PVC, PLTC/ITC, CMG

Product Description

UL Instrumentation, 1 Pair 16AWG (7x24) Bare Copper, PVC Insulation E1 Color Code, PVC Outer Jacket, PLTC ITC CMG AWM 2464 SUN RES

Technical Specifications

Product Overview

Suitable Applications:	PLC
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Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Pairs
Pair(s)	16	7x24	BC - Bare Copper	1

Total Number of Pairs:	1
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.090 in	0.016 in

Color Chart

Number	Color
Pair 1	ICEA METHOD 1, Table E1, Black & White and Numbered

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.256 in	0.037 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
4.52 Ohm/1000ft	0.96 Ohm/1000ft

Current

Max. Recommended Current [A]
6.2 Amps per Conductor at 25°C

Voltage

UL Description	UL Voltage Rating
	300 V
CMG	300 V

Temperature Range

UL Temperature Rating:	105°C
Operating Temperature Range:	-30°C To +105°C

Mechanical Characteristics

UV Resistance:	Yes
Bulk Cable Weight:	35 lbs/1000ft
Maximum Recommended Pulling Tension:	71.4 lbs
Minimum Minor Axis Bend Radius:	2.5 in

Standards

NEC/(UL) Compliance:	CMG, ITC, PLTC
CEC/C(UL) Compliance:	CMG
UL AWM Style Compliance:	AWM 2464

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

Suitability

Suitability - Sunlight Resistance:	Yes
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Flammability, LS0H, Toxicity Testing

CSA/C(UL) Flammability:	FT4
UL Flammability:	UL 1685 Vertical Tray
IEEE Flammability:	IEEE 1202
UL voltage rating:	300 V RMS (PLTC)

Related Part Numbers

Variants

Item #	UPC
30P160101010000	612825360018

History

Update and Revision:	Revision Number: 0.50 Revision Date: 08-05-2026
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