



Product: [31P2001](#) 

Inst PVC/PVC, 1 Pr #20 Str BC, PVC Ins E1, OS, Blk PVC Jkt, 300V PLTC
ITC CMG

Product Description

UL Instrumentation, 1 Pair 20AWG (7x28) Bare Copper, PVC Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, PLTC ITC CMG
AWM 2464 SUN RES

Technical Specifications

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Pairs
Pair(s)	20	7x28	BC - Bare Copper	1

Insulation

Material
PVC - Polyvinyl Chloride

Color Chart

Color
Black & White and Numbered

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.220 in	0.037 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
11.3 Ohm/1000ft	3.74 Ohm/1000ft

Current

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

Voltage

UL Voltage Rating
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:	23 lbs/1000ft
Maximum Recommended Pulling Tension:	25.2 lbs

Standards

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

Suitability

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

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

Related Part Numbers

Variants

Item #	UPC
31P2001 0105000	612825361114
31P200101010000	612825360353

History

Update and Revision:	Revision Number: 0.42 Revision Date: 08-12-2026
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