



Product: [32P1402](#)

Inst PVC/PVC, 2 Pr #14 Str BC, PVC Ins E1, IS/OS, Blk PVC Jkt, 300V PLTC ITC CMG

Product Description

UL Instrumentation, 2 Pair 14AWG (7x22) Bare Copper, PVC Insulation E1 Color Code, Individual & Overall Beldfoil® Shield, Black PVC Outer Jacket, PLTC ITC CMG AWM 2464 SUN RES

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
14	7x22	BC - Bare Copper	0.071 in	2

Conductor Count: 4

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.114 in	0.022 in

Color Chart

Number	Color
1	Black & White and Numbered 1
2	Black & White and Numbered 2

Inner Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	0.046 in	18

Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	0.046 in	18

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.541 in	0.053 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
2.52 Ohm/1000ft

Voltage

Description	UL Description	UL Voltage Rating	Voltage Rating [V]
Type PLTC	PLTC	300 V RMS	300 V RMS

Temperature Range

UL Temp Rating:	90°C
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Operating Temperature Range:	-30°C To +90°C
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Mechanical Characteristics

UV Resistance:	Yes
Bulk Cable Weight:	138 lbs/1000ft
Max. Pull Tension:	129 lbs
Min Bend Radius (Overall):	5.5 in
Min. Bend Radius/Minor Axis:	5.41 in

Standards

NEC/(UL) Compliance:	CM, PLTC, ITC
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 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:	Yes
EU CE Mark:	Yes
CA Prop 65:	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL 1685 UL Loading
CSA Flammability:	FT4
IEEE Flammability:	1202
UL voltage rating:	300 V RMS (PLTC)

Plenum/Non-Plenum

Plenum (Y/N):	No
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History

Update and Revision:	Revision Number: 0.40 Revision Date: 04-08-2022
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