



Product: [HP140812](#)

Inst, 8 Pr #14 Str BC, PVC Ins E1, OS, Blk PVC Jkt, 300V PLTC SUN RES

Product Description

UL Instrumentation, 8 Pair 14AWG (7x22) Bare Copper, PVC Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, PLTC SUN RES

Technical Specifications

Product Overview

Suitable Applications:	Industrial Control, Raceways Cable trays and ducts, Digital Control, Instruments (4-20ma, 0-10v, ...),low voltage digital control (24v, ...), encoders, control circuits, distributed control system (DCS),programmable logic controller (PLC), Solenoids, Valves, Actuators, Positioners
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter
14	7x22	BC - Bare Copper	0.071 in

Conductor Count:	16
Total Number of Pairs:	8

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.114 in	0.021 in

Color Chart

Number	Color
Pair 1	Black and White Numbered 1
Pair 2	Black and White Numbered 2
Pair 3	Black and White Numbered 3
Pair 4	Black and White Numbered 4
Pair 5	Black and White Numbered 5
Pair 6	Black and White Numbered 6
Pair 7	Black and White Numbered 7
Pair 8	Black and White Numbered 8

Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	0.071 in	14

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.758 in	0.063 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
2.52 Ohm/1000ft

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	60°C
Operating Temperature Range:	-25°C To +60°C

Mechanical Characteristics

Bulk Cable Weight:	381 lbs/1000ft
Max. Pull Tension:	878 lbs
Min Bend Radius (Overall):	7.75 in

Standards

NEC Articles:	Article 725
NEC/(UL) Compliance:	PLTC

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:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
CA Prop 65:	Yes

Suitability

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

Flammability, LS0H, Toxicity Testing

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

Related Part Numbers

Variants

Item #	Put-Up Type
HP1408120102500	Reel

History

Update and Revision:	Revision Number: 0.40 Revision Date: 01-10-2024
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