



Product: [9407](#)

High Perform Instr, 1 Pr #22 Str TC, PVC Ins E2, PVC Jkt, PLTC-ER

Request Sample

Product Description

High Performance Instrumentation, 1 Pair 22AWG (7x30) Tinned Copper, PVC Insulation E2 Color Code, PVC Outer Jacket, PLTC-ER

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
22	7x30	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1
Total Number of Triads:	N/A

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.062 in	0.017 in

Color Chart

Number	Color
1	Black & Red

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.198 in	0.037 in	Yes

Construction and Dimensions

Stranding

Twists
6 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
15 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
26 pF/ft

Inductance

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Nominal Inductance
0.21 μ H/ft

Impedance

Nominal Characteristic Impedance
90 Ohm

Current

Max. Recommended Current [A]
5.8 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	16.7 lbs/1000ft
Max Recommended Pulling Tension:	19 lbs
Min Bend Radius/Minor Axis:	2 in

Standards

NEC/(UL) Specification:	CMG, ITC-ER, PLTC-ER
CEC/C(UL) Specification:	CMG
UL AWM Style:	2464

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Burial:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1685 UL Loading
IEEE Flammability:	1202
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	UPC	Footnote
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9407 0602500	Chrome	612825240099	Z
9407 060U1000	Chrome	612825240075	
9407 060U500	Chrome	612825240082	

Footnote:	Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.
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History

Update and Revision:	Revision Number: 0.304 Revision Date: 09-10-2019
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