



Product: [9412](#)

High Perform Instr, 1 Pr #12 Str TC, PVC Ins E2, PVC Jkt, PLTC-ER

[Request Sample](#)

Product Description

High Performance Instrumentation, 1 Pair 12AWG (65x30) Tinned Copper, PVC Insulation E2 Color Code, PVC Outer Jacket, PLTC-ER

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
12	65x30	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.143 in	0.025 in

Color Chart

Number	Color
1	Black
	Red

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.37 in	0.042 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
1.8 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
25 pF/ft

Inductance

Nominal Inductance
0.18 μ H/ft

Current

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

Voltage

Description	UL Voltage Rating	Voltage Rating [V]
Nominal breakdown voltage between conductors	300 V RMS	25 K V RMS (Nominal breakdown voltage between conductors)

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	76 lbs/1000ft
Max Recommended Pulling Tension:	197 lbs
Min Bend Radius/Minor Axis:	3.75 in

Standards

NEC/(UL) Specification:	CL3R, ITC-ER, PLTC-ER
UL AWM Style:	2464
IEEE Specification:	1202

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
MII Order #39 (China RoHS):	Yes

Suitability

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

C(UL) Flammability:	FT4
UL Flammability:	UL1685 UL Loading
ICEA Flammability:	T-29-520
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	UPC
9412 0601000	Chrome	612825240297
9412 0602500	Chrome	612825240303
9412 060500	Chrome	612825240310

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

History

Update and Revision:	Revision Number: 0.309 Revision Date: 04-28-2020
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