



**Product:** [9412](#)

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

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## Product Description

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

## Technical Specifications

### Product Overview

Suitable Applications:	Instrumentation, Sensors, Valves, Positioners, 4-20mA, 0-10V
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### Construction Details

#### Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	12	65x30	TC - Tinned Copper

#### Insulation

Element	Material	Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.025 in	0.143	Black, Red

#### Outer Jacket Material

Material	Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.042 in	0.370 in	Yes

Cable Diameter (Nominal):	0.370 in
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Pair(s)	1.8 Ohm/1000ft	25 pF/ft	17 Amps per Conductor at 25°C

#### Voltage

UL Voltage Rating
300 V (PLTC), 150 V (ITC)

### Mechanical Characteristics

#### Temperature

UL Rating	Operating
105°C	-30°C to +105°C

Table Notes:	AWM 80°C
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#### Bend Radius

Stationary Min.	Installation Min.
3.75 in	3.7 in

Max. Pull Tension:	169 lbs
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Bulk Cable Weight:	77 lbs/1000ft
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## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance
Flammability / Fire Resistance:	UL1685 UL Loading, FT4, T-29-520, 1202
NEC / UL Compliance:	Article 725, Article 727, CL3R, ITC-ER, PLTC-ER
AWM Compliance:	2464
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.367 Revision Date: 02-19-2021
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