



**Product:** [9409](#)

High Perform Instr, 1 Pr #18 Str TC, PVC Ins E2, PVC Jkt, PLTC-ER

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**Product Description**

High Performance Instrumentation, 1 Pair 18AWG (19x30) 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	Size	Stranding	Material
Pair(s)	1	18 AWG	19x30	TC - Tinned Copper

**Insulation**

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.078 in (2.0 mm)	Black, Red

**Outer Jacket**

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.037 in (0.94 mm)	0.236 in (5.99 mm)	Yes

Overall Cable Diameter (Nominal):	0.236 in (5.99 mm)
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**Electrical Characteristics**

**Electricals**

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond
Pair(s)	6.0 Ohm/1000ft (20 Ohm/km)	26 pF/ft (85 pF/m)

**Voltage**

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

**Mechanical Characteristics**

**Temperature**

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

Table Notes:	AWM 80°C
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**Bend Radius**

Stationary Min.	Installation Min.
2.4 in (61 mm)	2.4 in (61 mm)

Max. Pull Tension:	49 lbs (22 kg)
Bulk Cable Weight:	26 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL1685 UL Loading, FT4, FT4, T-29-520, IEEE 1202
NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, ITC-ER, PLTC-ER
AWM Compliance:	AWM 2464
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.364 Revision Date: 02-08-2022
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## Part Numbers

### Variants

Item #	Color	UPC
9409 0602500	Chrome	612825240174
9409 0605000	Chrome	612825240181

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