



**Product:** [9366](#) 

High Perform Instr, 1 Tri #16 Str TC, PVC Ins E1, OS, PVC Jkt, PLTC

 [Request Sample](#)

## Product Description

High Performance Instrumentation, 1 Triad 16AWG (19x29) Tinned Copper, PVC Insulation E1 Color Code, Overall Beldfoil® Shield, PVC Outer Jacket, PLTC

## Technical Specifications

### Product Overview

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

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Triad(s)	1	16 AWG	19x29	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Triad(s)	PVC - Polyvinyl Chloride	0.019 in (0.48 mm)	0.097 in (2.5 mm)	Black, White, Red

#### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	18 AWG (19x30) TC

#### Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter	Ripcord
PP - Polypropylene Tape	PVC - Polyvinyl Chloride	0.042 in (1.1 mm)	0.312 in (7.92 mm)	Yes

Overall Cable Diameter (Nominal):	0.312 in (7.92 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
Triad(s)	4.5 Ohm/1000ft	67 pF/ft (220 pF/m)	120.3 pF/ft (394.7 pF/m)	0.156 µH/ft (0.512 µH/m)	6.2 Amps per conductor at 25°C

Nom Outer Shield DCR@Cond DCR1-cnrv:	5.14 Ohm/1000ft (16.9 Ohm/km)
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#### Voltage

UL Voltage Rating
300 V (PLTC, CMG)

### Mechanical Characteristics

#### Temperature

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

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

Stationary Min.	Installation Min.
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3.0 in (76 mm)	3.0 in (76 mm)
Max. Pull Tension:	145 lbs (65.8 kg)
Bulk Cable Weight:	61 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL 1685 UL Loading, FT4, T-29-520, IEEE 1202
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, ITC, PLTC
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Alternate color coding available upon request.
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History

Update and Revision:	Revision Number: 0.613 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
9366 0601000	Chrome	612825239536	
9366 0605000	Chrome	612825239543	Z
9366 060U500	Chrome	612825239529	

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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