



Product: [9316](#) 

High Perform Instr, 1 Pr #16 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC

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Product Description

High Performance Instrumentation, 1 Pair 16AWG (19x29) Tinned Copper, PVC Insulation E2 Color Code, Overall Beldfoil® Shield, PVC Outer Jacket, PLTC

Technical Specifications

Product Overview

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

Conductor

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

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.019 in (0.48 mm)	0.096 in (2.4 mm)	Black, Red

Outer Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.037 in (0.94 mm)	0.270 in (6.86 mm)	Yes

Overall Cable Diameter (Nominal):	0.270 in (6.86 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
Pair(s)	4.5 Ohm/1000ft	68 pF/ft (220 pF/m)	121 pF/ft (397 pF/m)	0.16 µH/ft (0.52 µH/m)	6.2 Amps per conductor at 25°C

Nom Outer Shield DCR:	5.3 Ohm/1000ft (17 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.

2.6 in (66 mm)	2.6 in (66 mm)
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Max. Pull Tension:	105 lbs (47.6 kg)
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Bulk Cable Weight:	41 lbs/1000ft
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Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Sunlight Resistance
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Flammability / Reaction to Fire:	UL 1685 UL Loading, FT4, T-29-520, IEEE 1202
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NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, ITC, PLTC
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AWM Compliance:	AWM 2464
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CEC / C(UL) Compliance:	CMG
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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)
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APAC Compliance:	China RoHS II (GB/T 26572-2011)
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History

Update and Revision:	Revision Number: 0.608 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9316 060U500	Chrome	UnReel	500 ft	612825228356	
9316 0601000	Chrome	Reel	1,000 ft	612825228363	
9316 060U1000	Chrome	UnReel	1,000 ft	612825228349	
9316 0605000	Chrome	Reel	5,000 ft	612825228387	Z
9316 06010000	Chrome	Reel	10,000 ft	612825228370	C Z

Footnote:	C - CRATE REEL PUT-UP., 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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