



**Product:** [9316](#)

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

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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-ER

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Pairs
16	19x29	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1

**Insulation**

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.017 in

**Color Chart**

Number	Color
1	Black & Red

**Inner Shield Material**

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	18	19x30

**Outer Shield Material**

Material
Alum / Poly

**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.264 in	0.037 in	Yes

**Electrical Characteristics**

**Conductor DCR**

Individual Pair Nominal Shield DCR	Nominal Conductor DCR
5.7 Ohm/1000ft	4.2 Ohm/1000ft

**Capacitance**

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
68 pF/ft	121 pF/ft

**Inductance**

Nominal Inductance
0.16 µH/ft

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

UL Temp Rating:	80°C
Operating Temp Range:	-30°C To +105°C

## Mechanical Characteristics

Bulk Cable Weight:	41 lbs/1000ft
Max Recommended Pulling Tension:	40 lbs
Min Bend Radius/Minor Axis:	2.56 in

## Standards

NEC/(UL) Specification:	CMG, ITC-ER, PLTC-ER
CEC/C(UL) Specification:	CMG
UL AWM Style:	UL Style 2464 (300 V 80°C)

## 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

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4
IEEE Flammability:	1202
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC
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
9316 06010000	Chrome	Reel	10,000 ft	612825228370

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: 0.305 Revision Date: 04-28-2020

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