



**Product:** [9318](#)

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

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## Product Description

High Performance Instrumentation, 1 Pair 18AWG (19x30) Tinned Copper, PVC Insulation E2 Color Code, Overall Beldfoil® Shield, 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	18	19x30	TC - Tinned Copper

#### Insulation

Element	Material	Thickness [in.]	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.017	Black, Red

#### Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (19x32) TC

#### Outer Jacket Material

Material	Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.037 in	0.239 in	Yes

Cable Diameter (Nominal):	0.239 in
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Shield	Max. Current
Pair(s)	6.0 Ohm/1000ft	54 pF/ft	100 pF/ft	5.5 Amps per Conductor at 25°C

Nom Outer Shield DCR:	9 Ohm/1000ft
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#### Voltage

UL Voltage Rating
300 V (PLTC, CMG), 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.
2.23 in	2.4 in

Max. Pull Tension:	64 lbs
Bulk Cable Weight:	32 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
Flammability / Fire Resistance:	UL1685 UL Loading, FT4, T-29-520, 1202
NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, ITC-ER, PLTC-ER
AWM Compliance:	2464
CEC / C(UL) Compliance:	CMG
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: 0.376 Revision Date: 09-30-2020
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