



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

Product Category:	Instrumentation 300V PLTC or PLTC-ER
Suitable Applications:	Instrumentation, Sensors, Valves, Positioners, 4-20mA, 0-10V

Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	18	19x30	TC - Tinned Copper

Insulation

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

Outer Shield Material

Type	Material	Coverage	Drainwire Type
Tape	Alum / Poly	100%	19x32 - TC

Outer Jacket Material

Material	Nominal Wall Thickness	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.037 in	0.239 in	Yes

Electrical Characteristics

Electricals

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

Mechanical Characteristics

Temperature

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

Temperature Table Note: AWM 80°C

Bend Radius

Stationary Min.
2.23 in

Max Recommended Pulling Tension: 64 lbs

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
Sustainability:	CA Prop 65 (CJ for Wire and Cable)=Yes
Flammability / Fire Resistance:	UL1685 UL Loading, FT4, T-29-520, 1202
NEC / UL Compliance:	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 2

History

Update and Revision:	Revision Number: 0.333 Revision Date: 05-22-2020
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