



**Product:** [9556](#)

High Perform Instr, 6 Pr #18 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC-ER

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**Product Description**

High Performance Instrumentation, 6 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)	6	18	19x30	TC - Tinned Copper

**Insulation**

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

**Outer Shield Material**

Shield Type	Material	Coverage	Drainwire Type
Tape	Alum / Poly	100%	18 AWG (7x26) TC

**Outer Jacket Material**

Material	Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.053 in	0.512 in	Yes

Cable Diameter (Nominal):	0.512 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	35 pF/ft	54 pF/ft	4.5 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.
5 in	5.1 in

Max. Pull Tension:	319 lbs
Bulk Cable Weight:	145 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Fire Resistance:	UL1685 FT4 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: 0.358 Revision Date: 07-31-2020
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