



**Product:** [9388](#)

High Perform Instr, 4 Pr #18 Str TC, PVC Ins E2, IS, PVC Jkt, PLTC-ER

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## Product Description

High Performance Instrumentation, 4 Pair 18AWG (19x30) Tinned Copper, PVC Insulation E2 Color Code, Individual 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	Size	Stranding	Material
Pair(s)	4	18 AWG	19x30	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.017	0.078 in (2.0 mm)	ICEA Chart E2

#### Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type	Notes
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (19x32) TC	each pair

#### Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter	Ripcord
PP - Polypropylene Tape	PVC - Polyvinyl Chloride	0.053 in (1.3 mm)	0.489 in (12.4 mm)	Yes

Overall Cable Diameter (Nominal):	0.489 in (12.4 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Shield	Max. Current
Pair(s)	7.2 Ohm/1000ft	8.18 Ohm/1000ft (26.8 Ohm/km)	57 pF/ft (190 pF/m)	85 pF/ft (280 pF/m)	3.5 Amps per Conductor at 25°C

#### Voltage

<b>UL Voltage Rating</b>
300 V (PLTC, CMG)

### Mechanical Characteristics

#### Temperature

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

Table Notes:	AWM 80°C
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#### Bend Radius

<b>Stationary Min.</b>	<b>Installation Min.</b>
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4.6 in (120 mm)	4.6 in (120 mm)
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Max. Pull Tension:	212 lbs (96.2 kg)
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Bulk Cable Weight:	122 lbs/1000ft
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## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial
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Flammability / Reaction to Fire:	UL 1685 UL Loading, FT4, FT4, T-29-520, IEEE 1202
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NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, ITC-ER, PLTC-ER
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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: 0.517 Revision Date: 06-30-2022
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## Part Numbers

### Variants

Item #	Color	UPC
9388 0601000	Chrome	612825239796
9388 060500	Chrome	612825239802
9388 0605000	Chrome	612825239819

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